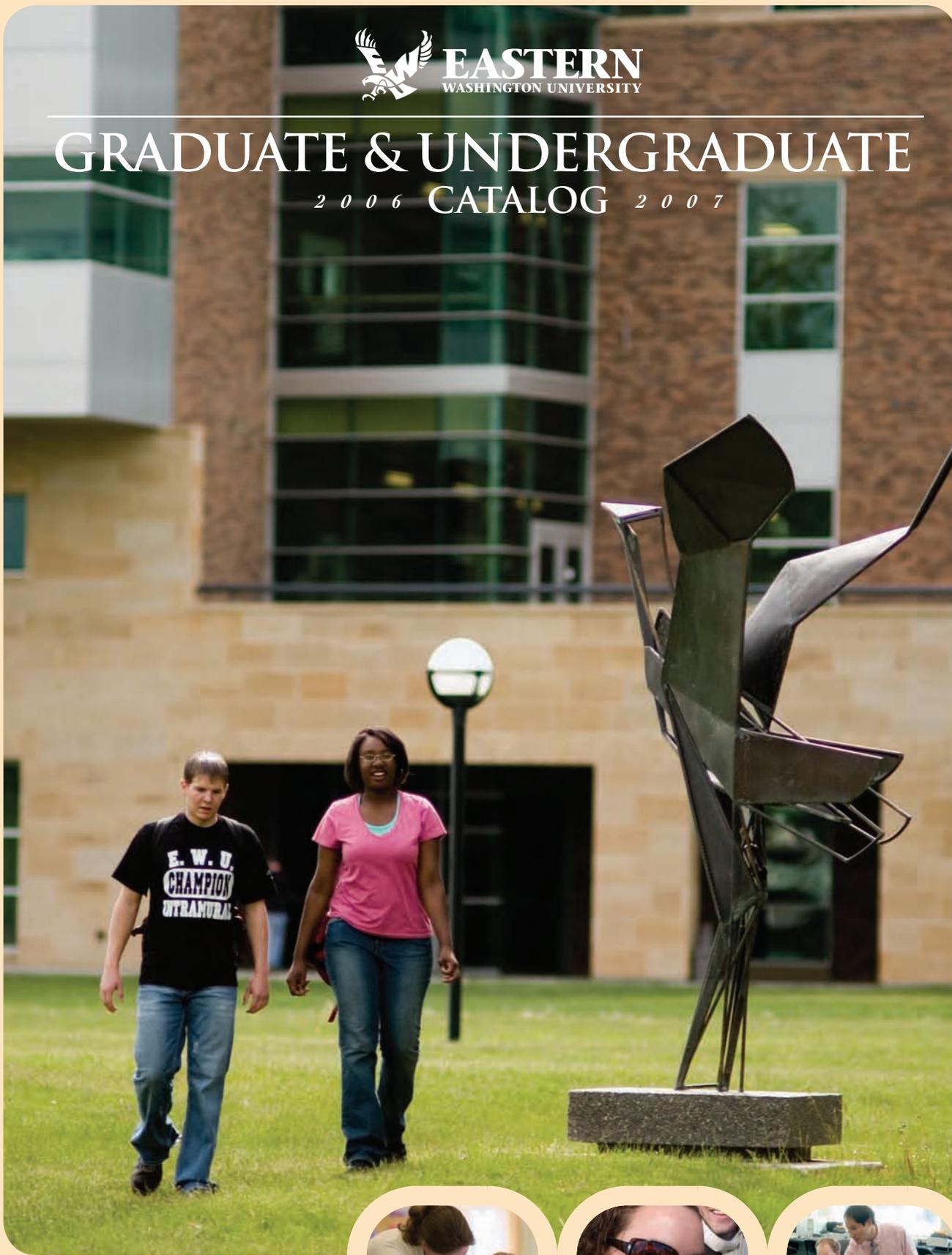




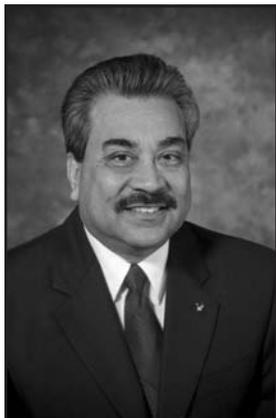
GRADUATE & UNDERGRADUATE

2006 CATALOG 2007



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Welcome from the President



This may be the first time you've opened a university catalog or it may be the last. But whether you are just beginning your college career or about to end it, in your hands you have a road map to a successful future.

In the following pages, you'll find a description of all Eastern Washington University has to offer. With more than 100 fields of study, 10 master's degrees, four graduate certificates, 55 graduate programs and one applied doctorate, there is something for everyone at Eastern. From business to education to biology and social work, whatever path you're interested in pursuing, you'll find it at Eastern.

While the course offerings are wide and varied, that's just the beginning. At Eastern, you'll have the opportunity to learn in classrooms where the average class size is just 27 students. And you'll be learning from an exceptional faculty that's helped Eastern earn a listing in 201 Colleges for the Real World.

Outside the classroom you'll find a vibrant campus brought to life by a student body of nearly 10,000. Students who come from all over the United States and the world, including Japan, Mexico, Canada and China, for the opportunity to study at Eastern.

While the heart of Eastern is on our beautiful 300-acre Cheney campus, the University doesn't end there. Our business, professional, health sciences and communication programs, among others, are just 16 miles down the road, in the heart of metropolitan Spokane and at the Riverpoint Higher Education Park. We also offer a growing list of degrees in partnership with eight community colleges across the state of Washington, including applied technology, interdisciplinary studies and business administration at Bellevue Community College.

Whatever you choose to study, you'll find you're on your way to a rewarding experience, the moment you turn the page. Good luck and welcome to Eastern!

Sincerely,

A handwritten signature in black ink that reads "Rodolfo Arévalo". The signature is written in a cursive, flowing style.

Rodolfo Arévalo, PhD

President, Eastern Washington University

Eastern Washington University

Mission Statement

Eastern Washington University is a student-centered, regionally based, comprehensive university. Its campus is located in Cheney, within the Spokane metropolitan area, with additional learning centers in the region and elsewhere in Washington state. Its mission is to prepare broadly educated, technologically proficient and highly productive citizens to attain meaningful careers, to enjoy enriched lives and to make contributions to a culturally diverse society. Eastern Washington University will achieve its mission by providing:

- an excellent student-centered learning environment;
- professionally accomplished faculty who are strongly committed to student learning;
- high-quality integrated, interdependent programs that build upon the region's assets and offer a broad range of choices as appropriate to the needs of the University's students and the region; and
- exceptional student support services, resources and facilities.



Table of Contents

Introduction to EWU President's Welcome, EWU Mission Statement, A History of EWU, Accreditations, Location	1	Student Publications Campus Planners, The Easterner, The Focus	326
Academic Calendar	7	Student Services Career Services, Financial Aid and Scholarships, First Year Experience, Housing and Residential Life, Orientation, Records and Registration, Student Financial Services	326
Guide to Catalog Programs of Study, Colleges/School Departments, Colleges/School Subject Codes, Colleges/School Programs/Majors/Options/Minors/Endorsements/Certifications/Certificates	8	University Facilities Fine Arts and Music, George Stahl Planetarium, Pence Union Building (PUB), Spokane Center, Sports and Recreation Center	334
Tuition, Fees and Refunds	17	University Services Bookstore, Childcare, Counseling and Psychological Services (CAPS), Disability Support Services, Eagle Outpost, Helping Ourselves Means Education (HOME), Identification Cards, Parking, Student Health, Wellness and Prevention, University Police, Veterans Services	334
Admissions, Degree Requirements, Academic Policy Undergraduate Admissions, Placement and Clearance Exams, Undergraduate Degree Requirements, Undergraduate Studies Academic Policies, Graduate Studies Admission Information, Graduate Studies Summary Application Guidelines, Graduate Studies Academic Policies, Comprehensive Exams Policy, Guide to Procedures and Responsibilities	19	Policies Academic Integrity Policy, Access to Academic Records, Credits, Final Exams, Grade Appeals, Grading System, Residency, Repeating Courses, Washington State Address Confidentiality Program, Withdrawal from the University	336
Academic Programs	41	Faculty Directory Board of Trustees, University Administration, Colleges/Schools, Academic Deans, Faculty, Emeritus Faculty Members	342
Academic Resources Academic Advising, Academic Support Center, Computer Resources and Laboratories, Ronald E. McNair Scholar Program, Student Support Services, Writers' Center	319	Appendices Student Conduct Code, Family Educational Rights and Privacy Act of 1974, Residency Status for Higher Education, AIDS Information, Sexual Harassment, Equal Opportunity and Affirmative Action Policy, Diversity	356
Centers of Excellence Honors, Inland Northwest Center for Writers, Music	320	Index	365
Diversity Programs Africana Education Program, American Indian Studies Program, Chicano Education Program, Women's Studies Center Programs	321	Student Services/Offices Phone Numbers	368
Educational Outreach Division of Educational Outreach, Independent Learning, Interdisciplinary Studies, International Field Studies/Eisenhower Center for Cultural Outreach, Office of Professional Development and External Programs, Running Start, Summer Session	322	Academic/Holiday Calendar	369
International Education and Services English Language Institute, International Education Office	323	Map	Inside Back Cover
Libraries John F. Kennedy Library, Cooperative Academic Library Service (CALIS)	324	DISCLAIMER	
Student Life Associated Students of EWU, Athletics, Clubs and Organizations, Dean of Students, Epic Adventures, Greek Life, Intramural and Club Sports, Residential Life, Office of Student Rights and Responsibilities, Washington Student Lobby	324	This catalog provides a general guideline of courses offered by Eastern Washington University. The classes and programs described herein are implemented at the sole discretion of EWU and are subject to change at any time without notice. Information contained on classes and programs are illustrative only and are not intended to create any contractual obligation or covenant with EWU.	

LIMITATION OF LIABILITY

Eastern Washington University's total liability for claims arising from a contractual relationship with the student in any way related to classes or programs shall be limited to the tuition and expenses paid by the student to EWU for those classes or programs. In no event shall EWU be liable for any special, indirect, incidental or consequential damages, including but not limited to, loss of earnings or profits.

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A History of Eastern Washington University

More than 100 years ago, with a contribution of \$10,000, the wealthy transportation industrialist Benjamin Cheney helped the citizens of the local community fulfill their dream of an institute of higher learning. The Benjamin P. Cheney Academy opened its doors to more than 200 students in 1882.

The academy became the State Normal School at Cheney in 1889, the same year that Washington gained statehood. The school was proudly designated as an institution “for the purpose of instruction of persons, both male and female, in the art of teaching the various branches that pertain to a good common school.”

The school was a fully accredited four-year degree-granting institution, offering majors in numerous subjects, when it became Eastern Washington College of Education in 1937.

The campus grew rapidly in size and program offerings in the decades following World War II and in 1961, reflecting these changes, was renamed Eastern Washington State College. As the regional needs for professionals in many fields grew, Eastern added a wide range of undergraduate and graduate

degree programs. In 1977, the state Legislature changed the school’s name to Eastern Washington University.

Since its inception as a teacher’s academy more than 120 years ago, Eastern has steadily responded to the higher education needs of the Inland Northwest. Today Eastern provides career preparation in diverse fields including business, technology and health care, education for civic and community leadership and engagement in the fine arts.

As a leader in the life and culture of the region, Eastern enrolls students from nearly every state in the union and more than 20 countries. The diversity and vitality of the university community has as its foundation a talented and dedicated faculty. Three-quarters of Eastern’s full-time faculty hold doctoral degrees. Maintaining a student-to-faculty ratio of approximately 24:1, Eastern continues to offer small classes, personalized instruction and individual attention.

As the higher education provider of choice for more than 9,700 students, Eastern Washington University is a major force in the civic, cultural, scientific and economic development of the state and region.



Accreditations

The University is accredited by the Northwest Commission on Colleges and Universities, the postsecondary institutional accrediting agency for a seven-state region of the country. Accreditation by the Northwest Commission qualifies Eastern Washington University for access to federal funding for teaching, research and student financial aid. Eastern is also approved by the US Attorney General for non-quota immigrant students and is on the approved list of the American Association of University Women.

The academic excellence of Eastern's programs is recognized by numerous accreditations.

Athletic Training

The Bachelor of Science Degree in Athletic Training is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP). Graduates of the program are eligible to sit for the national certification examination administered by the Board of Certification (BOC).

Business

AACSB International — The Association to Advance Collegiate Schools of Business — has accredited the University's undergraduate and graduate business programs.

Chemistry/Biochemistry

The department's professional and environmental bachelor of science options are approved by the American Chemical Society (ACS), and the ACS certifies graduates of these options.

Communication Disorders

The Council on Academic Accreditation of the American Speech-Language-Hearing Association (ASHA) has accredited the University's undergraduate and graduate programs in speech-language pathology.

Computer Science

The Bachelor of Science in Computer Science Degree is accredited by the Computing Accreditation Commission of the Accreditation Board for Engineering and Technology, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, telephone (410) 347-7700.

Counseling, Educational and Developmental Psychology

The School Psychology Program holds National Association of School Psychologists accreditation and is approved by the Washington State Board of Education as an Educational Staff Associate (ESA) Certification program. The Council for Accreditation of Counseling and Related Educational Programs (CACREP), a nationally-recognized specialized accrediting body, has conferred accreditation on the University's counselor education programs. The School Counseling Program is also approved by the Washington State Board of Education as an ESA Certification Program.

Dental Hygiene

The Commission on Dental Accreditation of the American Dental Association has fully accredited Eastern's undergraduate program in Dental Hygiene.

Education

All programs for preparing teachers and other educational personnel at Eastern are accredited by The National Council for the Accreditation for Teacher Education (NCATE) and are in compliance with their standards.

Engineering and Design

The Technology Accreditation Commission of the Accreditation Board of Engineering and Technology has accredited the Mechanical Engineering Technology Program and the Computer Engineering Technology Program.

Mental Health Counseling

The master's program in Applied Psychology: Mental Health Counseling is accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP) and fulfills the state of Washington requirements for mental health counselor certification.

Music

The National Association of Schools of Music has fully accredited the undergraduate and graduate programs in music.

Nursing

The undergraduate and graduate nursing programs taught at the Intercollegiate College of Nursing in Spokane have been accredited by the Collegiate Commission on Nursing Education (CCNE) and approved by the Washington State Board of Nursing and the American Association of Colleges of Nursing.

Occupational Therapy

The Occupational Therapy Program at Eastern Washington University is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA). Graduates of the program will be able to sit for the national certification examination administered by the National Board for Certification in Occupational Therapy (NBCOT).

Physical Therapy

The Department of Physical Therapy is fully and unconditionally accredited by the Commission on Accreditation in Physical Therapy Education.

Recreation and Leisure Services

The Council on Accreditation of the National Recreation and Park Association has accredited the University's program in recreation and leisure services at the baccalaureate level.

School Counseling

The master's program in Applied Psychology: School Counseling is accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP) and fulfills Washington State requirements for Educational Staff Associates (ESA) school counselor certification.

School Psychology

The School Psychology Program is accredited by the National Association of School Psychologists and is approved by the Washington State Board of Education as an Educational Staff Associates (ESA) Certification program.

Social Work

The Council on Social Work Education has accredited the School of Social Work and Human Services undergraduate and graduate degree programs.

Teacher Education

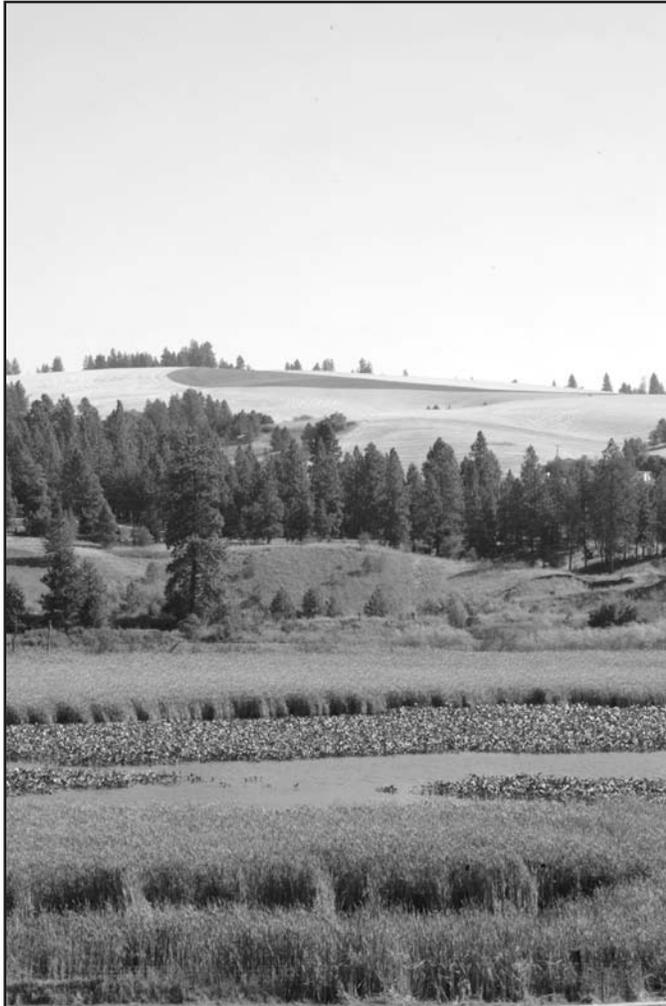
The National Council for the Accreditation of Teacher Education and the Washington State Board of Education have accredited and fully approved Eastern's Teacher Education Program.

Urban and Regional Planning

Both the undergraduate and graduate Urban and Regional Planning programs are accredited by the Planning Accreditation Board.

LOCATION FOR EASTERN

EWU is located in an Inland Northwest region known for its scenic beauty and impressive array of recreational and entertainment activities. The University is situated on a 300-acre residential campus in Cheney, in close proximity to Spokane, a metropolitan area of more than 417,000 people, located 275 miles east of Seattle. Spokane is the heart of a region that offers students extensive opportunities for internships, research and collaboration with industries, businesses, agencies and schools. EWU has facilities at three Spokane locations, the Spokane Higher Education Center, the Intercollegiate College of Nursing and the Riverpoint Higher Education campus, all within a 25-minute drive from Cheney. Map is inside the back cover of this catalog.



Eastern Washington University Facilities in Spokane

EWU Spokane Center, W. 705 First Ave., Spokane, WA 99202: The Spokane Center provides classrooms for more than 1,000 students. In addition to daytime and evening classes, the Spokane Center has several meeting and conference rooms, undergraduate and graduate departmental offices, a student computer lab, a University police office and a bookstore.

Intercollegiate College of Nursing (ICN), W. 2917 Fort Wright Drive, Spokane, WA 99224: ICN was established in 1968 and remains the nation's oldest nursing education consortium, serving as the school of nursing for Eastern Washington University, Gonzaga University, Washington State University and Whitworth College. It has five sites across the state with the main facility located in Spokane.

Riverpoint Higher Education Park

Eastern Washington University shares the Riverpoint campus with Washington State University. Located just east of the downtown business core, the campus includes the following facilities:

Health Science Building, 310 N. Riverpoint Blvd., Spokane, WA 99202: The Health Science Building houses four state-of-the-art Eastern programs in the College of Science, Health and Engineering: Occupational Therapy; Physical Therapy; Dental Hygiene; and Communication Disorders in cooperation with Washington State University, called the University Programs in Communication Disorders (UPCD).

Riverpoint Phase I, 668 N. Riverpoint Blvd., Spokane WA, 99202: Phase I houses graduate and undergraduate programs offered through Eastern's College of Business and Public Administration.

Spokane Intercollegiate Research and Technology Institute (SIRTI), 665 N. Riverpoint Blvd., Spokane, WA 99202: The first institute of its kind in the Pacific Northwest, SIRTI offers research and testing facilities to both private- and public-sector organizations exploring new products or manufacturing processes. Eastern's Department of Computer Science offers some continuing education and graduate program courses in the SIRTI facility.



Statewide locations for Eastern

In addition to the programs located in Cheney and Spokane, Eastern provides several high-demand programs to other areas in Washington. These include:

Bachelor of Arts in Business Administration, General Management: Bellevue

Bachelor of Arts in Children's Studies: Bellevue

Bachelor of Arts in Interdisciplinary Studies: Bellevue

Bachelor of Science in Technology: Applied Technology Option: Bellevue, Seattle and Vancouver

Bachelor of Science in Dental Hygiene: Lakewood, Seattle and Vancouver

Master of Education in Teaching K-8: Kent

Master of Social Work: Everett, Vancouver and Yakima

ACADEMIC CALENDAR*

	FALL 2006	WINTER 2007	SPRING 2007	SUMMER 2007	FALL 2007
Scholarship applications due for 2007-08		Feb. 1			
Financial aid applications due for 2007-08		Feb. 15			
Admission application or re-enrollment: Undergraduate	March 1	Oct. 15, 06	Feb. 15		March 1
Graduate – varies by program; see graduate program guidelines					
International – 6 months prior to start of intended quarter of entry					
Undergraduate degree application due	May 26, 06	Aug. 04, 06	Nov. 03, 06	Feb. 23, 07	May 25, 07
Registration for new, transfer, and former student returning	June 5	*Dec. 4, 06	*March 5, 07		*June 4, 07
Graduate degree application due	June 30	Sept. 29	Jan. 19	April 13	July 6
Instruction begins - (Fall begins on Wednesday)	Sept. 20	Jan. 8	April 2	June 25	Sept. 26
Tuition and fees due	Sept. 27	Jan. 16	April 10		Oct. 4
Last day to register/add classes or drop classes with no entry on transcript	Oct. 3	Jan. 19	April 13	varies	Oct. 9
Last day for individual course withdrawal/ schedule change; grade option changes; “W” grade recorded on transcript	Nov. 9	Feb. 23	May 18	varies	Nov. 16
Last class day before final exams	Dec. 1	March 19	June 8	Aug. 15	Dec. 7
Final exams	Dec. 4-7	March 20-23	June 11-14	Aug. 16-17	Dec. 10-13
Quarter ends	Dec. 8	March 23	June 15	Aug. 17	Dec. 14
Commencement (Saturday)			June 16		
Graduate students last day to complete final comprehensive examination	Dec. 8	March 23	June 15	Aug. 17	Dec. 14
Graduate students submit 4 copies of approved thesis to Graduate Studies Office	Dec. 8	March 23	June 15	Aug. 17	Dec. 14
Holidays	Nov. 10 Nov. 23-24 Dec. 25	Jan. 15 Feb. 19	May 28	July 4	Sept. 3 Nov. 12 Nov. 22-23 Dec. 25

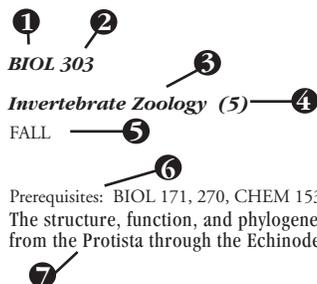
***Tentative Dates** — Also see the three-year calendar on the last page of this catalog.

Eastern offers regular classes on the quarter system, with three terms of 11 weeks in the fall, winter and spring during the academic year. Summer session begins in June and ends in August, providing eight weeks of intensive study.

Guide to Organization of this Catalog

The catalog is organized into sections starting with general information about the University, an outline of academic programs and an outline of the organization of the University, academic policies and admission information for undergraduate and graduate study. The main body of the catalog lists in alphabetical order the programs of study offered by Eastern. The back section contains information on student services, faculty and administration, key state and federal policies and an index. Map of the campus, a general telephone listing and a three-year academic calendar are inside the back cover. The guide below explains what to look for in the central course and program listing section. We welcome any suggestions or comments on the content and usability of this catalog. Please make comments to: Lawrence.Briggs@mail.ewu.edu.

How to read the course descriptions



- 1) Course Prefix – These letters indicate the subject area of the course.
- 2) Course Number – Eastern Washington University courses are numbered according to the following guidelines:

Lower Division

- | | |
|---------|--|
| 100–199 | primarily for freshmen; may not be taken for graduate-level credit |
| 200–299 | primarily for sophomores; may not be taken for graduate-level credit |

Upper Division

- | | |
|---------|---|
| 300–399 | primarily for juniors and seniors; may be used for graduate level credit only with the permission of the dean of Graduate and Undergraduate Studies |
| 400–499 | primarily for seniors; graduate students may count a limited number of credits from graded courses, only with program approval |

Graduate Level

- | | |
|---------|---|
| 500–599 | graduate level; senior undergraduates may enroll only with permission of both the department chair and dean of Graduate and Undergraduate Studies |
| 600–699 | graduate level only |
| 700–799 | doctoral level only |

At all levels, course numbers ending in 95 through 99 indicate special courses, with the particular subject matter varying from quarter to quarter. All departments may offer these types of departments, but not all may be listed in this catalog. Check with the individual program for the availability of special courses.

- | | |
|----|---------------------------------------|
| 95 | internships |
| 96 | experimental courses |
| 97 | workshops, short courses, conferences |
| 98 | seminars |
| 99 | independent and directed study |

3) Course Title – The official title of the course is listed below the prefix and number. The course title may appear differently in other publications.

4) Credits – The number or words in parenthesis indicates the credit to be awarded upon completion of the course. When combinations of courses are listed in sequence, the first number in the parenthesis refers to the first course in the sequence.

Example: BIOL 232, 233, 234 Human Anatomy and Physiology (5, 5, 5).

5) Term – The anticipated term the course is to be offered, subject to change.

6) Prerequisites – The courses that must be completed and any conditions that must be met prior to enrollment are indicated as prerequisites preceding the course description.

7) Course description – A brief description of the course follows the prerequisite listing indicating the most significant topics to be covered in the course.

Other notations may be included for some courses:

- Grade Type
- Courses designated for General Education Requirements
- Cross-listing

PROGRAMS OF STUDY

	<i>College/ School of</i>	<i>Bachelor's</i>	<i>Minor</i>	<i>Teaching Endorsement/ Certification</i>	<i>Master's</i>	<i>Doctorate</i>	<i>Certificate</i>
AFRICANA STUDIES Undergraduate minor: Africana Studies	SW		■				
AGING STUDIES Undergraduate minor: Aging Studies	SW		■				
ALCOHOL/DRUG STUDIES Undergraduate minor: Alcohol/Drug Counseling and Prevention	SW		■				■
AMERICAN INDIAN STUDIES Undergraduate minor: Indian Studies	SW		■				
ANTHROPOLOGY Undergraduate major: Anthropology Undergraduate minor: Anthropology	SB	■	■				
ART Undergraduate majors: Art History; Studio Art; Visual Arts/Elementary; Visual Arts/Secondary Undergraduate minors: Art; Art/Elementary or Secondary	AL	■	■	■			
BIOLOGY Undergraduate majors: Biology; Biology with Biochemistry/Biotechnology Option; Biology with Pre-med/Pre-dent/Pre-vet Option; Biology Secondary Undergraduate minors: Biology; Biology Secondary; Health Science Endorsement: General Science/Add-on Graduate: Biology	ST	■	■	■	■		
BUSINESS Undergraduate majors: Business Administration: Economics, Finance, General Management, Human Resource Management, Management Information Systems, Marketing; Operations Management, Professional Accounting; Business Education/Secondary Undergraduate minors: Business Administration; International Business; Management Information Systems; Quality Management Endorsements: Business Education/Add-on; Marketing Education/Add-on Graduate: Business Administration	BN	■	■	■	■		
CHEMISTRY AND BIOCHEMISTRY Undergraduate majors: Chemistry/Biochemistry with Biochemistry Option; Chemistry/Biochemistry with Biochemistry/Biotechnology Option; Chemistry/Biochemistry with Business Option; Chemistry/Biochemistry with Computer Science Option; Chemistry/Biochemistry with Environmental Option; Chemistry/Biochemistry with Forensic Science Option; Chemistry/Biochemistry with General Option; Chemistry/Biochemistry with Pre-med/Pre-dent/Pre-vet Option; Chemistry/Biochemistry with Professional Option; Chemistry/Biochemistry/Secondary; Chemistry/Biochemistry with Standard Option; Undergraduate minors: Chemistry/Biochemistry; Chemistry/Biochemistry/Secondary; Environmental Chemistry, Health Science Endorsement: General Science/Add-on	ST	■	■	■			
CHICANO EDUCATION Undergraduate minor: Chicano-Latino Studies	SW		■				
CHILDREN'S STUDIES Undergraduate majors: Children's Studies with Early Childhood Education Option; Children's Studies with Early Childhood Learning Environments Option; Children's Studies with Program Development Option; Children's Studies with Research Option	EH	■		■			
COLLEGE INSTRUCTION Graduate: College Instruction/English; College Instruction/Mathematics; College Instruction/Physical Education, Health and Recreation	EH				■		

PROGRAMS OF STUDY

	<i>College/ School of</i>	<i>Bachelor's</i>	<i>Minor</i>	<i>Teaching Endorsement/ Certification</i>	<i>Master's</i>	<i>Doctorate</i>	<i>Certificate</i>
COMMUNICATION DISORDERS Undergraduate major: Communication Disorders Undergraduate minor: Communication Disorders Graduate: Communication Disorders	ST	■	■		■		■
COMMUNICATION STUDIES Undergraduate majors: Communication Studies; Communication Studies in Public Relations Option Undergraduate minor: Communication Studies Graduate: Communications	SB	■	■		■		
COMPUTER SCIENCE Undergraduate majors: Computer Information Systems, Computer Science; Multimedia Programming and Development Option; Theory Option; 3D Animation/Game Development Option Undergraduate minors: Computer Applications; Computer Information Systems; Computer Science; Multimedia and Web Design, Multimedia Programming, 3D Animation; Web Programming Graduate: Computer and Technology Supported Education; Computer Science: Computational Systems Option; Computer Science: Software Systems Option	ST	■	■		■		
COUNSELING, EDUCATIONAL AND DEVELOPMENTAL PSYCHOLOGY Undergraduate majors: Applied Developmental Psychology; Applied Developmental Psychology, Pre-Counseling Track; Child Development/Elementary; Dual Primary Endorsement Program in Special Education and Elementary Education; Special Education; Special Education with Early Childhood Special Education Option Undergraduate minors: Counseling, Educational and Developmental Psychology; Early Childhood Special Education; Special Education Graduate: Applied Psychology: Mental Health Counseling Emphasis; Applied Psychology: School Counseling Emphasis; School Psychology; Special Education	EH	■	■	■	■		■
CRIMINAL JUSTICE Undergraduate major: Criminal Justice Undergraduate minor: Criminal Justice	SB	■	■				
DENTAL HYGIENE Undergraduate major: Dental Hygiene	ST	■					
EARTH SCIENCE Undergraduate major: Earth Science/Secondary Undergraduate minor: Earth Science/Secondary Endorsement: General Science/Add-on Endorsement	ST	■	■	■			
ECONOMICS Undergraduate majors: Economics; Economics with a Mathematics Option Undergraduate minors: Economics; General Education Economics	SB	■	■				
EDUCATION Undergraduate major: Reading/Elementary or Secondary Undergraduate minors: Early Childhood Education/Elementary; Gifted/Talented Education/Elementary; Library Media/Elementary or Secondary; Reading/Elementary or Secondary Endorsements: Elementary Education/Add-on; Residency Teaching Certification; Professional Certifications for Teachers, ESAs and Administrators (Principal) Graduate: Adult Education; Curriculum and Instruction; Curriculum Development Emphasis; Curriculum and Instruction: Early Childhood Education Emphasis; Curriculum and Instruction: Elementary Teaching Emphasis; Curriculum and Instruction: Interdisciplinary Emphasis; Educational Leadership; Foundations of Education; Instructional Media and Technology; Literacy; Secondary Teaching; Teaching K-8	EH	■	■	■	■		
ELECTRONIC MEDIA, THEATRE AND FILM Undergraduate major: Electronic Media and Filmmic Arts Undergraduate minors: EMAF Critical Studies; EMAF General; EMAF Screenwriting	AL	■	■				

PROGRAMS OF STUDY

	<i>College/ School of</i>	<i>Bachelor's</i>	<i>Minor</i>	<i>Teaching Endorsement/ Certification</i>	<i>Master's</i>	<i>Doctorate</i>	<i>Certificate</i>
ENGINEERING & DESIGN	ST	■	■				
Undergraduate majors: Computer Engineering Technology; Hardware Engineering Technology Option; Computer Engineering Technology; Software Engineering Technology Option; Electrical Engineering; Mechanical Engineering Technology; Technology with Applied Technology Option; Technology with Construction Option; Technology with Design Option; Technology with Electronics Option; Technology with Manufacturing Option; Visual Communication Design Undergraduate minor: Technology; Visual Communication Design							
ENGLISH	AL	■	■	■	■		■
Undergraduate majors: English with Creative Writing Option; English with Literary Studies Option; English with Technical Communications Option; English/Elementary; English/Secondary Undergraduate minors: English; Technical Communication; English/Elementary; English/Secondary Endorsements: English/Add-on; Language Arts/Add-on Graduate: Creative Writing; Literature; Rhetoric, Composition, and Technical Communications; Teaching English as a Second Language Graduate certificates: Teaching of Writing and Post-Master's Certificate in the Teaching of Writing; Teaching of Literature and Post-Master's Certificate in the Teaching of Literature							
ENGLISH AS A SECOND LANGUAGE	AL		■	■			
Undergraduate minor: English as a Second Language Endorsement: English as a Second Language							
ENVIRONMENTAL SCIENCE	ST	■					
Undergraduate majors: Environmental Science, Environmental Biology Emphasis; Environmental Science, Environmental Chemistry Emphasis; Environmental Science, Environmental Geology Emphasis							
GEOGRAPHY	SB	■	■				■
Undergraduate major: Geography Undergraduate minor: Geography Certificate: Geographic Information Systems; Wetlands Science and Management							
GEOLOGY	ST	■	■				
Undergraduate majors: Geology; Geology with Environmental Option Undergraduate minor: Geology							
GOVERNMENT	SB	■	■				
Undergraduate major: Government; Government with Pre-Law Option Undergraduate minor: Government							
HEALTH SERVICES ADMINISTRATION	BN	■	■				■
Undergraduate major: Health Services Administration Undergraduate minor: Health Services Administration Graduate certificate: Health Service Administration							
HISTORY	SB	■	■	■	■		
Undergraduate major: History Undergraduate minor: History; History/Secondary Endorsement: History/Add-on Endorsement Graduate: History							
HUMANITIES	AL	■	■				
Undergraduate major: Humanities Undergraduate minor: Humanities							
INTERDISCIPLINARY							■
Graduate: Varies							
INTERDISCIPLINARY STUDIES	SB	■					
Undergraduate majors: Interdisciplinary Studies: Liberal Arts Option; Interdisciplinary Studies: Prior Learning Option; Interdisciplinary Studies: Interdisciplinary Option; Interdisciplinary Studies: Occupational Therapy; Interdisciplinary Studies: Philosophical Studies							

PROGRAMS OF STUDY

	<i>College/ School of</i>	<i>Bachelor's</i>	<i>Minor</i>	<i>Teaching Endorsement/ Certification</i>	<i>Master's</i>	<i>Doctorate</i>	<i>Certificate</i>
INTERNATIONAL AFFAIRS Undergraduate major: International Affairs	SB	■					
JOURNALISM Undergraduate majors: Journalism with Computer Science Option; Journalism with News Editorial Option; Journalism with Technology Option; Journalism with Public Relations Option Undergraduate minor: Journalism	AL	■	■				
LINGUISTICS Undergraduate minor: Linguistics	SB		■				
MATHEMATICS Undergraduate majors: Mathematics; Mathematics with Computer Science Option; Mathematics with Economics Option; Mathematics with Statistics Option; Mathematics/Elementary; Mathematics/Secondary Undergraduate minors: Mathematics; Mathematics/Elementary; Mathematics/Secondary Graduate: Mathematics; Mathematics: Applied Mathematics Option; Mathematics: Community College Instruction Option; Mathematics: Secondary School Instruction Option	ST	■	■	■	■		
MILITARY SCIENCE Undergraduate major: Military Science Undergraduate minor: Military Science	SB	■	■				
MODERN LANGUAGES AND LITERATURES Undergraduate majors: French; French/Elementary or Secondary; Spanish; Spanish/Elementary or Secondary Undergraduate minors: French; French/Elementary or Secondary; German; German/Elementary or Secondary; Japanese; Spanish; Spanish/Elementary or Secondary Graduate: French (Education)	AL	■	■	■	■		
MUSIC Undergraduate majors: Music with Liberal Arts Option; Music: Instrumental, Choral, General/Elementary or Secondary Major; Music with Instrumental Performance Option; Music with Music Composition Option; Music with Piano Performance Option; Music with Vocal Performance Option Undergraduate minors: Music; Music: Broad Area Elementary/Secondary; Music: Choral Music Elementary/Secondary; Music: Instrumental Music Elementary/Secondary Graduate: Music: Composition Emphasis; Music: Education Emphasis; Music: General (Non-Specific); Music: Performance Emphasis (Instrumental/Vocal)	AL	■	■	■	■		
NATURAL SCIENCE Undergraduate major: Natural Science/Elementary	ST	■					
NURSING Undergraduate major: Nursing Graduate: Community-Based/Population-Focused Nursing; Family Nurse Practitioner; Psychiatric/Mental Health Nurse Practitioner	ST	■				■	
OCCUPATIONAL THERAPY Graduate: Occupational Therapy; Occupational Therapy: Advanced Standing	ST					■	
PHILOSOPHY Undergraduate minor: Philosophy	AL		■				
PHYSICAL EDUCATION, HEALTH AND RECREATION Undergraduate majors: Athletic Training; Community Health; Exercise Science; Health and Fitness/Elementary or Secondary; Outdoor Recreation; Recreation Management; Therapeutic Recreation Undergraduate minors: Coaching; Health Education; Recreation Management Endorsement: Health and Fitness Graduate: Physical Education: Administration/Pedagogy Option; Physical Education: Exercise Science Option; Physical Education: Sports and Exercise Psychology Option	EH	■	■	■	■		

PROGRAMS OF STUDY

	<i>College/ School of</i>	<i>Bachelor's</i>	<i>Minor</i>	<i>Teaching Endorsement/ Certification</i>	<i>Master's</i>	<i>Doctorate</i>	<i>Certificate</i>
PHYSICAL THERAPY Graduate: Physical Therapy	ST						■
PHYSICS Undergraduate majors: Physics; Physics/Secondary Undergraduate minors: Physics; Physics/Secondary Endorsement: General Science/Add-on Endorsement	ST	■	■	■			
PSYCHOLOGY Undergraduate majors: Psychology Undergraduate minors: Psychology; Psychology/Elementary Graduate: Psychology: Clinical Emphasis; Psychology: General/Experimental Emphasis; School Psychology Graduate certificate: Post-Master's School Psychology (joint program with Washington State University)	SB	■	■	■	■		■
PUBLIC ADMINISTRATION Graduate: Public Administration Graduate certificate: Public Management Development	BN				■		■
RELIGIOUS STUDIES Undergraduate minor: Religious Studies	AL		■				
SOCIAL STUDIES Undergraduate majors: Social Studies/Elementary; Social Studies/Secondary Endorsement: Social Studies/Add-On Endorsement	SB	■	■	■			
SOCIAL WORK Undergraduate major: Social Work Graduate: Social Work; Social Work: Advanced Standing	SW	■		■	■		
SOCIOLOGY Undergraduate major: Sociology Undergraduate minor: Sociology	SB	■	■				
THEATRE Undergraduate major: Theatre Undergraduate minors: Theatre; Theatre/Elementary or Secondary	AL	■	■	■			
URBAN AND REGIONAL PLANNING Undergraduate major: Urban and Regional Planning Undergraduate minor: Urban and Regional Planning Graduate: Urban and Regional Planning	BN	■	■		■		
WOMEN'S STUDIES Undergraduate major: Women's and Gender Studies; Women's and Gender Studies: Prior Learning Option Undergraduate minor: Women's Studies Certificates: Gender Studies Certificate	SB	■	■				■

COLLEGE/SCHOOL OF:**AL: College of Arts and Letters****BN: College of Business and Public Administration****EH: College of Education and Human Development****SB: College of Social and Behavioral Sciences****ST: College of Science, Health and Engineering****SW: School of Social Work and Human Services**

Colleges/School - Departments

AL - ARTS AND LETTERS - Dean Philip Castille

Art
Electronic Media, Theatre and Film
English
Modern Languages and Literatures and Philosophy
Music

BN - BUSINESS AND PUBLIC ADMINISTRATION - Dean Delores Martin

Accounting and Information Systems
Management
Urban Planning, Public and Health Administration

EH - EDUCATION AND HUMAN DEVELOPMENT - Interim Dean Alan Coelho

Counseling, Educational and Developmental Psychology
Education
Physical Education, Health and Recreation

SB - SOCIAL AND BEHAVIORAL SCIENCES - Dean Vickie Shields

Communication Studies
Economics
Geography and Anthropology
Government
Military Science
Psychology
Sociology and Criminal Justice

ST - SCIENCE, HEALTH AND ENGINEERING - Dean Raymond Soltero

INTERCOLLEGIATE COLLEGE OF NURSING - Dean Dorothy Detlor

Biology
Chemistry and Biochemistry
Communication Disorders
Computer Science
Dental Hygiene
Engineering and Design
Geology
Mathematics
Nursing
Occupational Therapy
Physical Therapy
Physics

SW - SCHOOL OF SOCIAL WORK AND HUMAN SERVICES - Dean Michael Frumkin

Colleges/School - Subject Codes

AL - ARTS AND LETTERS - Dean Philip Castille

ART (Art), CHIN (Chinese), CRWR (Creative Writing), ELIC (English Language Institute-Credit)/ELIN (English Language Institute-Noncredit), EMAF (Electronic Media, Theatre and Film), ENGL (English), ESLG (English as a Second Language), FREN (French), GERM (German), GNML (General Modern Languages), HUMN (Humanities), JAPN (Japanese), JRNM (Journalism), MUSC (Music), PHIL (Philosophy), RUSS (Russian), SPAN (Spanish), THTR (Theatre)

BN - BUSINESS AND PUBLIC ADMINISTRATION - Dean Delores Martin

ACCT (Accounting), AOMG (Administrative Office Management), BADM (Business Administration), BUED (Business Education), CTED (Career and Technical Education), DSCI (Decision Science), FINC (Finance), HSAD (Health Services Administration), HUMR (Human Resource Management), IBUS (International Business), MGMT (General Management), MISC (Management Information Systems), MKED (Marketing Education), MKTG (Marketing), OPSM (Operations Management), PADM (Public Administration), PLAN (Urban and Regional Planning), PTED (Professional Training and Development)

EH - EDUCATION AND HUMAN DEVELOPMENT - Interim Dean Alan Coelho

ATTR (Athletic Training), CEDP (Counseling, Educational and Developmental Psychology), COIN (College Instruction), EDUC (Education), EXSC (Exercise Science), HLED (Health Education), LBSC (Library Science), PHED (Physical Education), RCLS (Recreation and Leisure Services)

SB - SOCIAL AND BEHAVIORAL SCIENCES - Dean Vickie Shields

ANTH (Anthropology), CMST (Communication Studies), CRIM (Criminal Justice), CSBS (Social and Behavioral Sciences), ECON (Economics), GEOG (Geography), GOVT (Government), HIST (History), ITGS (Integrative Studies), INST (International Affairs), ITDS (Interdisciplinary Studies), PSYC (Psychology), ROTC (Military Science), SOCI (Sociology), SOST (Social Studies), WMST (Women's Studies)

ST - SCIENCE, HEALTH AND ENGINEERING - Dean Raymond Soltero

ASL (American Sign Language), BIOL (Biology), CHEM (Chemistry) COMD (Communication Disorders), CPLA (Computer Literacy and Applications), CSCD (Computer Science), CSED (Computer Science Education), DNHY (Dental Hygiene), ENGR (Engineering), ENV5 (Environmental Science), FNDD (Food and Nutrition/Dietetics), GEOL (Geology), MATH (Mathematics), NTSC (Natural Science), NURS (Nursing), OCTH (Occupational Therapy), PHTH (Physical Therapy), PHYS (Physics), SCED (Science Education), TECH (Technology)

SW - SCHOOL OF SOCIAL WORK AND HUMAN SERVICES - Dean Michael Frumkin

AAST (Africana Studies), ADST (Alcohol/Drug Studies), AGST (Aging Studies), CHST (Chicano Studies), IDST (Indian Studies), SOWK (Social Work)

Colleges/School - Programs/Majors/Options/Minors/Endorsements/ Certifications/Certificates

AL - ARTS AND LETTERS - Dean Philip Castille

Undergraduate:

Art: Bachelor of Fine Arts; Art History; Art Minor; Art/Elementary or Secondary Minor; Electronic Media and Filmic Arts; Electronic Media and Film, Critical Studies Minor; Electronic Media and Film, General Minor; Electronic Media and Film, Screenwriting Minor; English as a Second Language Minor; English Minor; English/Elementary; English/Secondary; English/Secondary Minor; English: Creative Writing Option; English: Literary Studies Option; English: Technical Communications Option; French; French/Elementary or Secondary; German Minor; German/Elementary or Secondary Minor; Humanities; Humanities Minor; Japanese Minor; Journalism Minor; Journalism: Computer Science Option; Journalism: News Editorial Option; Journalism: Public Relations Option; Journalism Technology Option; Music Minor; Music: Broad Area Elementary/Secondary Minor; Music: Choral Music Elementary/Secondary Minor; Music: Instrumental Music Elementary/Secondary Minor; Music: Instrumental Performance Option; Music: Instrumental, Choral, General/Elementary or Secondary; Music: Liberal Arts Option; Music: Music Composition Option; Music: Piano Performance Option; Music: Vocal Performance Option; Philosophy Minor; Religious Studies Minor; Spanish; Spanish Minor; Spanish/Elementary or Secondary Minor; Studio Art; Technical Communication Minor; Theatre; Theatre Minor; Theatre/Elementary or Secondary Minor; Visual Arts/Elementary; Visual Arts/Secondary

Graduate:

College Instruction/English; Creative Writing; French (Education); Literature; Music: Composition Emphasis; Music: General (Non-Specific); Music: Music Education Emphasis; Music: Performance Emphasis (Instrumental/Vocal); Rhetoric, Composition, and Technical Communication; Teaching English as a Second Language

Endorsements/Certification

English/Add-on; Language Arts/Add-on; English as a Second Language

Certificates

Graduate Certificate in the Teaching of Literature and Post Master's Certificate in the Teaching of Literature; Graduate Certificate in the Teaching of Writing and post Master's Certificate in the Teaching of Writing

BN - BUSINESS AND PUBLIC ADMINISTRATION - Dean Delores Martin

Undergraduate:

Business Administration: Economics, Finance, General Management, Human Resource Management, Management Information Systems, Marketing, Operations Management, Professional Accounting; Business Administration Minor; Business Education/Secondary; Health Services Administration; Health Services Administration Minor; International Business Minor; Management Information Systems Minor; Quality Management Minor; Urban and Regional Planning; Urban and Regional Planning Minor

Graduate:

Business Administration; Public Administration; Urban and Regional Planning

Endorsements/Certification

Business Education/Add-on; Marketing Education/Add-on

Certificates

Graduate Certificate in Health Service Administration; Graduate Certificate in Public Management Development

EH - EDUCATION AND HUMAN DEVELOPMENT - Interim Dean Alan Coelho

Undergraduate:

Applied Developmental Psychology; Applied Developmental Psychology: Counseling Track; Athletic Training; Child Development/Elementary; Children's Studies: Early Childhood Education Option; Children's Studies: Early Childhood Learning Environments Option; Children's Studies: Program Development Option; Children's Studies: Research Option; Coaching Minor; Community Health; Counseling, Educational and Developmental Psychology Minor; Dual Primary Endorsement Program in Special Education and Elementary Education; Early Childhood Education/Elementary Minor; Early Childhood Special Education Minor; Exercise Science; Gifted/Talented Education/Elementary Minor; Health and Fitness/Elementary or Secondary; Health Education Minor; Library Media/Elementary or Secondary Minor; Outdoor Recreation; Reading/Elementary or Secondary; Reading/Elementary or Secondary Minor; Recreation Management; Recreation Management Minor; Special Education; Special Education Minor; Special Education: Early Childhood Education Option; Therapeutic Recreation

Graduate:

Adult Education; Applied Psychology: Mental Health Counseling Emphasis; Applied Psychology: School Counseling Emphasis; College Instruction/Physical Education, Health and Recreation; Curriculum and Instruction: Curriculum Development Emphasis; Curriculum and Instruction: Early Childhood Emphasis; Curriculum and Instruction: Elementary Teaching Emphasis; Curriculum and Instruction: Interdisciplinary Emphasis; Educational Leadership; Foundations of Education; Instructional Media and Technology; Literacy; Physical Education: Administration/Pedagogy Option; Physical Education: Exercise Science Option; Physical Education: Sports and Exercise Psychology Option; School Psychology; Special Education; Secondary Teaching; Teaching K-8

Endorsements/Certification

Elementary Education/Add-on; Health and Fitness/Add-on; Residency Teaching Certification; Professional Certifications for Teachers, ESAs and Administrators (Principal)

Certificates

EWU-WSU Post-Master's School Psychology; Professional Teaching

Colleges/School - Programs/Majors/Options/Minors/Endorsements/ Certifications/Certificates

SB - SOCIAL AND BEHAVIORAL SCIENCES - Dean Vickie Shields

Undergraduate:

Anthropology; Anthropology Minor; Communication Studies; Communication Studies: Public Relations Option; Communication Studies Minor; Criminal Justice; Criminal Justice Minor; Economics; Economics Minor; General Education Economics Minor; Economics: Mathematics Option; Geography; Geography Minor; Government; Government: Pre-law Option; History; History Minor; History/Secondary; History/Secondary Minor; Interdisciplinary Studies: Interdisciplinary Option; Interdisciplinary Studies: Liberal Arts Option; Interdisciplinary Studies: Occupational Therapy Track; Interdisciplinary Studies: Philosophical Studies; Interdisciplinary Studies: Prior Learning Option; International Affairs; Linguistics Minor; Military Science; Military Science Minor; Psychology; Psychology Minor; Psychology/Elementary Minor; Social Studies/Elementary; Social Studies/Secondary; Sociology; Sociology Minor; Women's and Gender Studies; Women's Studies Minor

Graduate:

Communications; History; Psychology: Clinical Emphasis; Psychology: General/Experimental Emphasis; School Psychology

Endorsements/Certification

History/Add-on; Social Studies/Add-on

Certificates

Gender Studies; Geographic Information Systems; EWU-WSU Post-Master's School Psychology

ST - SCIENCE, HEALTH AND ENGINEERING - Dean Raymond Soltero

INTERCOLLEGIATE COLLEGE OF NURSING - Dean Dorothy Detlor

Undergraduate:

Biology; Biology Minor; Biology/Secondary; Biology/Secondary Minor; Biology: Biochemistry/Biotechnology Option; Biology: Pre-med/Pre-dent/Pre-vet Option; Chemistry/Biochemistry Minor; Chemistry/Biochemistry Secondary; Chemistry/Biochemistry/Secondary Minor; Chemistry/Biochemistry: Biochemistry Option; Chemistry/Biochemistry: Biochemistry/Biotechnology Option; Chemistry/Biochemistry: Business Option; Chemistry/Biochemistry: Computer Science Option; Chemistry/Biochemistry: Environmental Option; Chemistry/Biochemistry: Forensic Science Option; Chemistry/Biochemistry: General Option; Chemistry/Biochemistry: Pre-med/Pre-dent/Pre-vet Option; Chemistry/Biochemistry: Professional Option; Chemistry/Biochemistry: Standard Option; Communication Disorders; Communication Disorders Minor; Computer Applications Minor; Computer Engineering Technology; Computer Information Systems; Computer Information Systems Minor; Computer Science; Computer Science Minor; Computer Science: Multimedia Programming Option; Computer Science: Theory Option; Computer Science: 3D Animation/Game Development Option; Dental Hygiene; Earth Science/Secondary; Earth Science/Secondary Minor; Electrical Engineering; Environmental Chemistry Minor; Environmental Science: Environmental Biology Emphasis; Environmental Science: Environmental Chemistry Emphasis; Environmental Science: Environmental Geology Emphasis; Geology; Geology Minor: Geology; Environmental Option; Health Science Minor; Mathematics; Mathematics Minor; Mathematics/Elementary; Mathematics/Elementary Minor; Mathematics/Secondary; Mathematics/Secondary Minor; Mathematics: Computer Science Option; Mathematics: Economics Option; Mathematics: Statistics Option; Mechanical Engineering Technology; Multimedia and Web Design Minor; Multimedia Programming Minor; Natural Science/Elementary; Nursing; Physics; Physics Minor; Physics/Secondary; Physics/Secondary Minor; Technology Minor; Technology: Applied Technology Option; Technology: Construction Option; Technology: Design Option; Technology: Electronics Option; Technology: Manufacturing Option; 3D Animation Minor; Visual Communication Design; Visual Communication Design Minor; Web Programming Minor

Graduate:

Biology; College Instruction/Mathematics; Communication Disorders; Computer and Technology Supported Education; Computer Science: Computational Systems Option; Computer Science: Software Systems Option; Mathematics; Mathematics: Applied Mathematics Option; Mathematics: Community College Instruction Option; Mathematics: Secondary Instruction Option; Nursing; Community-Based/Population-Focused Nursing; Nursing: Family Nurse Practitioner; Nursing: Psychiatric/Mental Health Nurse Practitioner; Occupational Therapy; Occupational Therapy: Advanced Standing; Physical Therapy

Endorsements/Certification

General Science/Add-on; Speech-Language Pathologist

SW - SCHOOL OF SOCIAL WORK AND HUMAN SERVICES - Dean Michael Frumkin

Undergraduate:

Africana Studies Minor; Aging Studies (Interdisciplinary) Minor; Alcohol/Drug Counseling and Prevention Minor; Chicano-Latino Studies Minor; Indian Studies Minor; Social Work

Graduate:

Social Work; Social Work: Advanced Standing

TUITION, FEES AND REFUNDS

At the time of publication, The Board of Trustees had not set tuition rates for the 2006-2007 Academic Year.

EWU will be posting the new tuition rates on the website www.ewu.edu/x626.xml as soon as they are made available.

If you have questions or concerns, call Student Financial Services at (509) 359-6372.

Tuition and other registration fees are due on the sixth day of classes each quarter.

Graduate tuition is assessed only to students who are formally admitted to a graduate program by the 10th class day of the quarter.

Tuition and fees for 2005-2006 are listed below, and EWU will be posting the new tuition and fees rates on the website at www.ewu.edu/x626.xml as soon as they are made available. Call Student Financial Services at (509) 359-6372 with questions on tuition rates.

Residency: Residency is determined at the time of formal admission to the University on the basis of information included in the University application for admission. Determination of residency is governed by the statutes and policies of the state of Washington. In general, to qualify for residency, a student must:

- have established a formal residence in Washington for other than educational purposes for at least 12 consecutive months prior to the first day of the quarter for which residency status is requested;
- or be a dependent student whose parent(s) or legal guardian(s) have maintained a bona fide residence in Washington 12 consecutive months prior to the first day of the quarter.

For more information, see Appendix C in the back of this catalog.

Quarter Tuition Schedule for 2005-2006

UNDERGRADUATE	Resident	Non-resident
10-18 credits	\$1,348.00	\$4,439.00
Additional Fee Per Credit		
For more than 18 Credits*	120.30	429.60
Part-time		
9 credits	1,213.20	3,995.10
8 credits	1,078.40	3,551.20
7 credits	943.60	3,107.30
6 credits	808.80	2,663.40
5 credits	674.00	2,219.50
4 credits	539.20	1,775.60
3 credits	404.40	1,331.70
2 credits	269.60	887.80
* 1 credit	269.60	887.80
per credit	134.80	443.90

*Part-time students are charged for a minimum of two credits. Part-time students (1-5 credits) may purchase the optional student health coverage.

GRADUATE	Resident	Non-Resident
10-18 credits	\$2,036.00	\$5,700.00
Additional Fee Per Credit		
For more than 18 Credits*	189.80	556.40
Part-time		
9 credits	1,832.40	5,130.00
8 credits	1,628.80	4,560.00
7 credits	1,425.20	3,990.00
6 credits	1,221.60	3,420.00
5 credits	1,018.00	2,850.00
4 credits	814.40	2,280.00
3 credits	610.80	1,710.00
2 credits	407.20	1,140.00
*1 credit	407.20	1,140.00
per credit	203.60	570.00

Special Fees and Charges 2005-2006

Special fees and charges are not applicable to all students.

ACT (American College Test)	\$31.62
Application Fees:	
Undergraduate — New Student	50.00
Undergraduate — Returning Former Student	50.00
Graduate	50.00
Graduate Non-degree	25.76
Certification Fees:	
Initial 1978 Guidelines (4 years)	27.45
Initial 1978 Guidelines (3-year renewal)	21.96
Additional Endorsement	21.96
Initial Principal or EAS	43.93
Continuing/Standard Certificate	82.37
Comprehensive Health Fee (mandatory)	*44.05
Course Audit	current quarter per-credit fee
Degree (Application to graduate)	28.23
Late Degree Application - Graduate	10.59
Departmental Admission Fees	
Communication Disorders	28.22
Physical Therapy	75.00
Diploma Reorder	16.93
Disciplinary	Varies
EWU EagleCard Replacement	15.00
Fingerprint Background Check	53.00
Fingerprinting	10.00
Late Registration Fee (per course)	10.98
Late Payment Fee	50.00
Placement File	27.46
Placement Mailing List	27.46
Refund Clerical Fee (student-initiated refunds only)	11.29
Returned Check Charge	25.00
Schedule Change Fee (per course) Drop / Add	22.59
Student Technology Fee (mandatory)	35.00
Transcript	5.64
Instant Transcript FAX (1-day service)	11.29
Washington Student Lobby	2.00
English Placement Testing	10.00
Math Placement Testing	15.00
CPLA Placement Testing	8.00

Note: Cohort and off-campus programs may have separate tuition and fee schedules.

*Certain off-campus programs may not be required to pay mandatory fees.

Tuition Pay (Payment Options)

Student Financial Services Office is pleased to offer the EWU nine-month payment plan. The plan is available through Academic Management Services. This "pay-as-you-go" alternative to lump-sum payments is popular among students and parents.

For questions, additional information or assistance in completing an enrollment form, call Tuition Pay at 1 (888) 664-6082 for help from a Tuition Pay specialist. Website: www.Tuitionpay.com

Third-party Billing

Students who are sponsored by a third party may request billing to the sponsor for tuition, fees and other related educational expenses.

Sponsor invoicing occurs once per term. Sponsor payments must be received for the current term in order for students to be eligible to continue enrollment in subsequent terms.

In any sponsor billing arrangement, the student is ultimately responsible for payment of University charges. If a sponsor fails to pay any amounts invoiced, those original charges are returned to the student account with appropriate late payment penalties assessed.

Students or sponsors may request sponsor billing by mailing a signed billing authorization form to the following: Student Financial Services, Attn: Third-party Billing, 202 Sutton Hall, Cheney, WA 99004.

Complete arrangements for sponsor billing must be made prior to the statement due dates to prevent late payment penalties.

For assistance, call Student Financial Services, (509) 359-6372.

Refund Policy

In accordance with federal regulations, Eastern Washington University's refund policy for the 2006-2007 Academic Year is as follows:

FOR DROPPED/WITHDRAWN COURSES:

FOR COMPLETE WITHDRAWALS FROM THE UNIVERSITY:

	Withdrawal Date	Refund Percentage	Withdrawal Fee of
If you withdraw on or before	1st-6th day of term	100%	\$00.00
If you withdraw	7th-22nd day of term	50%	\$00.00
If you withdraw on or after	23rd-31st day of term	0%	\$00.00

Drop/Withdrawal Course Date	Refund Percentage	Drop/Withdrawal Course Fee (per course)
1st-6th day of term	100%	\$0.00
7th-22nd day of term	50%	\$22.59
23rd day of term	0%	\$22.59

For dropped courses on or before
 For dropped courses
 For dropped courses

For questions regarding how a drop in credit hours or a complete withdrawal will affect your student account, please call (509) 359-6372. Examples of Eastern Washington University refund policy can be obtained by contacting the Student Financial Services Office, (509) 359-6372.

All Federal Title IV financial aid recipients will be refunded at the rates established by the federal government.

Other Refund Information

- All refunds resulting from enrollment changes will be subject to a clerical fee, if not signed up for direct deposit.
- Refunds below a minimum balance will remain as credit balances for future quarter charges.
- All debts owed to the University must be paid before any refund will be issued.



Undergraduate Admissions Information

Office of Admissions
101 Sutton Hall
Cheney, WA 99004-2447
(509) 359-2397
fax (509) 359-6692
admissions@mail.ewu.edu

The Office of Admissions assists prospective undergraduate students and their families with the application process. To learn about the advantages of an Eastern education, call or e-mail the Office of Admissions. Eastern's outstanding academic programs, faculty and facilities are part of a diverse university community that attracts students from places near and far to its beautiful campus.

Application Information: Applicants for undergraduate studies are reviewed individually. Each category of undergraduate applicant — freshmen, former students, international, non-traditional and post-baccalaureate, transfer and student athletes — listed alphabetically below, has specific requirements. Review the information and definitions of each category carefully before completing an application.

Eastern Washington University's Undergraduate Admissions Application may be accessed at www.ewu.edu in both electronic and downloadable form. The electronic application is recommended for speed of processing and reply time. A hard copy application packet may also be requested by phoning or emailing the Office of Admissions. Complete paper applications should be mailed with official copies of all high school and college transcripts, official Scholastic Aptitude Tests (SAT) or American College Testing (ACT) scores, and the non-refundable application fee to the Office of Admissions, 101 Sutton Hall, Eastern Washington University, Cheney, WA 99004-2447.

Admission Requirements and Categories

Freshman Admission

Definition: For purposes of admission criteria, a freshman applicant, regardless of any college credits earned while in high school, is either:

- currently in high school or
- a high school graduate without post high school transferable college credit.

Required Records: All applicants defined as freshmen must submit:

- an official high school transcript;
- a college transcript of any courses completed while in high school;
- an official Scholastic Aptitude Test (SAT) or American College Test (ACT) with writing score, either directly from the testing agency or recorded on an official high school transcript;
- a personal statement.

Any falsification of information on the application or failure to submit required documents may result in the denial of the application, future admission decision(s) being rescinded, or subsequent dismissal from the University (WAC 172-120-040-1).

Deadlines: Priority application dates for freshmen are:

- March 1 for summer and fall quarters;
- October 15 for winter quarter;
- February 15 for spring quarter.

Initial decisions on fall admission are made on December 1st, so early application is encouraged. Complete applications received after the priority dates are reviewed on a rolling basis. Applications received within two weeks of the start of a term will be deferred for consideration until the next quarter.

Note: See the section on Financial Aid and Scholarships for priority consideration deadlines for financial aid.

Automatic Admission for Freshmen: A freshman applicant is automatically admissible if he or she has met Eastern's current Admissions Index and has completed the required academic core courses. The Admissions Index is calculated using the Higher Education Coordinating Board (HECB) tables, which assigns an index number on a scale of high school GPA and SAT or ACT with writing composite scores. The highest single composite SAT or ACT with writing score is used to determine the index. Sub-scores from different SAT or ACT test results cannot be combined into a composite test score. See the admissions site at www.ewu.edu or the application packet to view the current chart.

Academic Core Courses: The minimum years of study or units in high school subjects required for admission to Eastern are:

English	4
Math (Algebra I and II and Geometry)	3
Social Science	3
Sciences (at least one w/laboratory)	2
Foreign language (in one language)	2
Fine Arts (or additional year from above core)	1

Students are encouraged to complete more than the minimum core courses. Note that all courses with an English title will not satisfy the English requirement. The same is true of each subject area. The Higher Education Coordinating Board provides a set of acceptable high school courses that meet these requirements as reported by each high school. Check with a high school counselor or an EWU Admissions representative if there are additional questions.

Exceptions to Automatic Admission for Freshmen

Exceptions to Core Course or Index Requirements: Eastern admits a limited number of applicants each year who have not met the core requirements, or who have not met the minimum Admissions Index. A maximum 15% of all incoming freshmen may be admitted annually under exception guidelines. Students who are admitted without completing the high school core courses may be required to complete specific courses at EWU. For example, a student deficient in high school foreign language may be required to complete foreign language at the 103 level at EWU. Some students may be admitted with the condition that they complete a core course during the summer prior to entering EWU. See the information on Comprehensive Review for the application process.

Note: US citizens educated in non-English speaking countries whose first language is not English and whose course work is not in alignment with our freshman admission criteria will go through comprehensive review.

Educational Opportunity Program (EOP) Admission: Applicants meeting specific requirements may be admitted to Eastern through EOP. Admission through EOP will be determined as part of the Comprehensive Review Program described below in detail. The Academic Support Center provides tutoring and academic assistance to EOP students. Applicants through EOP are considered under the following guidelines. The applicant:

- does not meet automatic admission criteria;
- is a first-generation baccalaureate student;
- has financial need;
- identifies special circumstances which have adversely affected academic performance.

General Education Diploma: Eastern will accept the General Education Diploma (GED) in lieu of high school graduation. Applicants who have completed the General Education Diploma must have achieved a minimum score of 50 with no score lower than 45 in any subject area. An official SAT or ACT with writing score is also required to be considered for admission. GED recipients will be reviewed through the Comprehensive Review Program.

Homeschooled Students: Applicants must present evidence of the completion of the academic core courses or their equivalents or a GED as proof of high school completion. An SAT or ACT with writing score is also required. Most homeschooled students will be reviewed through the Comprehensive Review Program.

Comprehensive Review Program:

Applicants who are not offered automatic admission may go through the Comprehensive Review process. Applicants seeking admission to Eastern through Comprehensive Review are advised to submit at least two letters of recommendation to the Office of Admissions. Among the factors considered by the review committee are special abilities (leadership, arts), unique experiences or backgrounds (overseas travel/living, involvement in national organizations), special circumstances that have adversely affected academic performance (family situations, personal adversity, economic disadvantage, linguistic transitions) and evidence of maturity and motivation. Applicants who are admitted through Comprehensive Review have the same status as a regularly admitted student unless specific conditions are stipulated by the review committee.

Former Student Admission

Definition: A former student is defined as any applicant who was previously admitted and enrolled at Eastern, but who subsequently interrupted his or her enrollment.

Required Records: Former students as defined above are required to submit a Former Student Returning Application available from the Office of Admissions or apply online at www.ewu.edu. Submit official transcripts from any two-year colleges or four-year institutions attended since the last enrollment at Eastern. A nonrefundable application fee is required for all former students who have not been enrolled in Eastern classes for more than three quarters.

Any falsification of information on the application or failure to submit required documents may result in the denial of the application, future admission decision(s) being rescinded or subsequent dismissal from the University (WAC 172-120-040-1).

Deadlines: Early application for the next term is strongly encouraged for former students.

Note: Students who were academically dismissed from Eastern must apply for reinstatement to good academic standing by contacting the General Undergraduate Academic Advising Office at (509) 359-2345.

International Student Admission

Definition: An international student is defined as a student who is in the U.S. or planning to enter the U.S. for academic purposes. These students will be in F-1 or J-1 immigration status.

International applicants are advised to review the requirements provided with the application forms at www.ewu.edu/x4786.xml or to call (509) 359-2331. The International Education Office will assist prospective undergraduate students in determining the appropriate entry level (freshman or transfer) based on their academic records. Graduate students should contact the Graduate Studies Office directly at: www.grad.ewu.edu or (509) 359-6297 and see the information below on graduate admission.

Required Records: Official transcripts from all colleges and universities (both foreign and within the US) must be submitted directly from those institutions to the EWU International Education Office for evaluation. Applicants whose foreign transcripts cannot be verified must submit documents to World Education Services or another evaluation service for evaluation and verification. In addition, international students will be required to submit evidence of financial support or scholarship prior to receiving a visa eligibility document (Form I-20) from Eastern Washington University.

Any falsification of information on the application or failure to submit required documents may result in the denial of the application, future admission decision(s) being rescinded or subsequent dismissal from the University (WAC 172-120-040-1).

Deadlines for International Applicants: Students will be required to submit all application documents prior to the Priority Deadline: five weeks prior to the beginning of the quarter for students applying from inside the United States and seven weeks prior for students applying from outside of the United States. Due to the time required for securing a student visa in each country, earlier application is advised.

Please visit the Undergraduate International Admissions homepage for specific quarterly deadlines: www.ewu.edu/x4786.xml

Applications submitted or completed before the Priority Deadline are guaranteed review for admission. However, unverifiable educational credentials may result in a delay of the admissions decision.

Applications submitted or completed after the Priority Deadline will be considered only after on-time applications have been reviewed and processed and as time allows. Application consideration closes fourteen calendar days prior to the start of each quarter. Applications received after this date will automatically be considered for admission to the next quarter.

English Language Proficiency: All international applicants who are non-native speakers of English must provide evidence of English proficiency by submitting one of the following official test results to the International Education Office.

- Test of English as a Foreign Language (TOEFL) score of at least 525 (paper based) or 195 (computer based).
- International English Language Testing System (IELTS) score of 6 or better.

Evidence of satisfactory proficiency in English language may also be established by proof of passing a US college - or university-level English composition course with a grade of 2.0 or better.

Applicants who do not meet these English language proficiency requirements may be admitted with the condition that they successfully complete additional work at Eastern's English Language Institute (ELI). Students who wish to apply for conditional admission should submit an ELI application (eli.ewu.edu/classes/appfrm.html) with their application materials.

Exception: Non-US citizens whose entire primary and secondary education took place in Australia, Canada, Great Britain, Ireland, New Zealand or the US are exempt from this requirement; however students who were born in any of these countries but were educated elsewhere will be required to satisfy the English proficiency requirement for admission consideration.

Non-traditional (Adult) Student Admission and Post-baccalaureate Admission

Definition: An adult student for purposes of admission is defined as an applicant 25 years of age or older who meets neither the high school admission criteria nor the transfer admission criteria for students with fewer than 40 credits.

Required Records: Adult applicants may be offered regular admission if they meet at least two of the following requirements:

- Submit satisfactory scores on the SAT, ACT, or other university-administered tests;
- Submit a transcript showing the achievement of a 2.5 high school GPA or a passing score on the General Educational Development (GED) Certificate test;
- Submit an essay demonstrating entry-level critical thinking and communication skills;
- Present evidence of success outside the classroom and strong motivation to succeed at the University.

Submit application materials to the Office of Admissions at the address listed at the top of this section of the catalog.

Any falsification of information on the application or failure to submit required documents may result in the denial of the application, future admission decision(s) being rescinded or subsequent dismissal from the University (WAC 172-120-040-1).

Post-baccalaureate Applicant

Definition: Applicant with an undergraduate degree who is seeking course work toward a second bachelor's degree, a teacher certification or other course work that is not part of any Eastern graduate program.

Required Records: All applicants defined as post-baccalaureates must submit official university or college transcripts documenting their undergraduate degrees.

Any falsification of information on the application or failure to submit required documents may result in the denial of the application, future admission decision(s) being rescinded or subsequent dismissal from the University (WAC 172-120-040-1).

Note: Acceptance into many majors requires a GPA above 2.0, prerequisite courses, service experiences and/or a separate application. Contact the appropriate department for details.

Running Start

Definition: Anyone currently in high school who is participating in Running Start.

Admission to Running Start: Eastern is recognized as a Running Start institution by the Washington Department of Education. Eligible high school students may enroll in courses at EWU on a full- or part-time basis to meet high school requirements and earn college credit. Students must meet the minimum admission criteria, which may include SAT or ACT scores. Students interested in enrolling in Running Start through Eastern should contact their high school guidance office or the Running Start Coordinator at Eastern Washington University at (509) 359-6060.

Applicants to Eastern with Running Start Credits: Applicants with Running Start credits who are still in high school must meet all freshman admission criteria as defined above and have a cumulative college GPA of 2.0 or better. Applicants to Eastern who have enrolled in another college or university after high school graduation must meet all transfer admission criteria. In general, college credits earned by students through Running Start in the State of Washington are treated as transfer credits, as they are recorded on the official transcript of the college where the work was completed.

Student Athletes

Student athletes must meet the NCAA Clearinghouse requirements for admission. For additional information, see www.ncaa.org, call (800) 638-3731 or the NCAA phone number (913) 339-1906.

Transfer Admission

Eastern Washington University welcomes transfer students from two- and four-year institutions of higher education.

Definition: Eastern defines a transfer applicant as anyone who has:

- graduated from high school and is currently enrolled in a community college or four-year institution with course work transferable to Eastern or
- transferable college-level credit earned after high school graduation.

Required Records: All transfer applicants must provide official high school transcripts and college transcripts from each two-year college or four-year institution showing a minimum cumulative GPA of a 2.0 in all transferable college-level credits. At the time of application to Eastern, transfer applicants are evaluated in one of two ways:

- 1) Transfer applicants with fewer than 40 quarter hours of transferable college credit at the time of entry must:
 - satisfy the high school core course requirement, admissions index and have a 2.0 cumulative GPA in all transferable college-level courses.
- 2) Transfer applicants with 40 or more quarter hours of transferable college credit at the time of entry must:
 - show a minimum 2.0 cumulative GPA in all transferable college-level course work, including completion of the highest precollege-level English course with a minimum 2.0 and completion of intermediate algebra course with a minimum 2.0.

Any falsification of information on the application or failure to submit required documents may result in the denial of the application, future admission decision(s) being rescinded or subsequent dismissal from the University (WAC 172-120-040-1).

Note: Acceptance into many majors requires GPAs above 2.0, prerequisite courses, service experiences and/or a separate application. Contact the appropriate department for details.

Deadlines for Transfer Applicants: Priority transfer application dates are:

- March 1 for summer and fall quarters
- October 15 for winter quarter
- February 15 for spring quarter.

Complete applications received after the priority dates are reviewed on a rolling basis and offers will be made on a space-available basis. Applications received within two weeks of the start of a term will be deferred for consideration until the next quarter.

Note: Mid-year transfers should meet the summer/fall deadline.

Note: See the section on Financial Aid and Scholarships for priority consideration deadlines for financial aid.

Automatic Admission for Transfer Applicants

Transfer applicants who satisfy the standards for admission listed above, and who meet the priority application deadlines are automatically admissible.

Comprehensive Review Program: Transfer applicants who do not meet automatic admission criteria may be considered under the Comprehensive Review Program. Applicants seeking admission to Eastern through Comprehensive Review are advised to submit a personal statement and at least two letters of recommendation to the Office of Admissions. Among the factors considered by the review committee are special abilities (leadership, arts), unique experiences or backgrounds (overseas travel/living, involvement in national organizations), special circumstances that have adversely affected academic performance (family situations, personal adversity, economic disadvantage, linguistic transitions) and evidence of maturity and motivation. Applicants who are admitted through Comprehensive Review have the same status as a regularly admitted student unless specific conditions are stipulated by the review committee.

Transfer Agreements: Eastern participates in transfer agreements with community colleges in the state of Washington and select Idaho and Montana community colleges. Graduates of these colleges who complete a direct-transfer associate degree are admitted to Eastern with junior standing and will have satisfied Eastern's lower division general education requirements. For degree requirements and University Graduation requirements, see the section of the catalog on Undergraduate Degree Requirements and consult with a departmental academic advisor.

Transfer Credit: Transfer credit is generally awarded for courses completed at regionally accredited two-year colleges or four-year institutions. When determining transferable credit, Eastern adheres to the standards and practices of the American Association of Collegiate Registrars and Admissions Officers. Questions about the transferability of credits completed at institutions that are not regionally accredited should be directed to the Office of Admissions.

Note: Eastern Washington University will accept in transfer toward a bachelor's degree no more than 90 lower-division credits. After a student has been admitted to a university major, additional lower-division credit may be allowed when:

1. the additional credit will advance the student toward degree completion, and
2. the smallest unit responsible for the student's degree approves a petition filed by the student to allow more than 90 lower-division credits.

No more than 135 credits (lower- or upper-division) may be accepted in transfer for a bachelor's degree. Transfer credit shall be accepted for upper-division credit only when earned at an accredited four-year, degree-granting institution as upper-division credit.

Institutions and Degrees that Fulfill the Direct Transfer Agreement Guidelines

INSTITUTION	TITLE OF "DIRECT-TRANSFER" DEGREE
Bellevue Community College	Associate in Arts and Sciences
Big Bend Community College	Associate in Arts and Sciences
Cascadia Community College	Associate of Integrated Studies
Centralia Community College	Associate in Arts, Associate in Liberal Arts
Clark College	Associate in Arts
Columbia Basin Community College	Associate in Arts and Sciences
Edmonds Community College	Associate of Arts and Sciences/Option I
Everett Community College	Associate in Arts and Sciences/Option II
Flathead Valley Community College	Associate of Arts
Grays Harbor College	Associate in Arts
Green River Community College	Associate in Arts
Highline Community College	Associate of Arts/Option A
Lower Columbia College	Associate in Arts and Sciences/Plan B
North Idaho College	Associate of Arts
North Seattle Community College	Associate of Arts, Associate of Science
Northwest Indian College	Associate of Arts and Sciences/Option I
Olympic College	Associate in Arts and Sciences/Option A
Peninsula College	Associate of Arts, Associate of Arts - Honors
Pierce Community College	Associate in Arts and Sciences
Seattle Central Community College	Associate of Arts, Associate of Science
Shoreline Community College	Associate in Arts and Sciences, Option A
Skagit Valley Community College	Associate in Arts/University & College Transfer
South Puget Sound Community College	Associate of Arts
South Seattle Community College	Associate of Arts, Associate of Science
Spokane Community College	Associate in Arts
Spokane Falls Community College	Associate of Arts
Tacoma Community College	Associate in Arts and Sciences, Option A
Walla Walla Community College	Associate in Arts
Wenatchee Valley College	Associate in Arts and Sciences
Whatcom Community College	Associate in Arts and Sciences
Yakima Valley Community College	Associate in Arts and Sciences

Transfer Credit and Evaluation of Other Forms of College Credit

Note: Each academic program reserves the right to amend these requirements and the credit awarded.

Advanced Placement: Credit for minimum scores on Advanced Placement examinations given by the College Board is awarded upon receipt of official score reports. Official scores should be submitted to the Office of Admissions. See the "Sources of Credit" list immediately following this section of the catalog for current score requirements and corresponding credits awarded.

Challenging Courses for Credit: Please contact Interdisciplinary Studies, 300 Senior Hall, EWU, Cheney, WA 99004-2414; phone (509) 359-2402 for the Credit by Evaluation form and instructions. Fee is \$50 per credit.

College in the High School Credits: Applicants with credits earned through College in the High School programs must meet freshman admission criteria. College in the High School courses will be accepted as transferable college credit if they are from a regionally accredited college or university and are consistent with Eastern's general transfer credit policy.

College-Level Examination Program (CLEP): Eastern Washington University will award credit for CLEP tests. Acceptability of credits toward major requirements or general education requirements is determined by the appropriate department. See the Sources of Credit list that immediately follows this section of the catalog for current score requirements and corresponding credits awarded.

Experiential Credit: For information on evaluation of experience for credit, see the information under Interdisciplinary Studies in the alphabetical academic program listings in the center of the catalog or contact Interdisciplinary Studies, 300 Senior Hall, EWU, Cheney, WA 99004-2414; phone (509) 359-2402.

Foreign Educational Credentials: Students interested in information about credit awarded for selected foreign educational credentials should contact a Credentials Evaluator in the Office of Admissions (509) 359-2397.

International Baccalaureate: Eastern Washington University will award credit for Higher Level International Baccalaureate exam results of "5" or better. Acceptability of credits toward major requirements, or General Education Core Requirements (GECRs) is determined by the appropriate department. See the Sources of Credit list that immediately follows this section of the catalog for current score requirements and corresponding credits awarded.

Military Credits: Students may earn up to 45 quarter hours of credit for military educational experiences. This includes credits awarded for CLEP/DANTES tests. Note: Any student pursuing a bachelor of arts in Interdisciplinary Studies (Prior Learning Option) will not be awarded more than 90 quarter hours in credit from a combination of military experience and prior learning block credit. See the information on Interdisciplinary Studies in the alphabetical listing of programs in the center of the catalog.

Veterans: College credit may be awarded for military service time. Veterans are encouraged to submit a photocopy or true copy of military separation, DD-214 or an equivalent document for credit evaluation.

Note: For information on evaluation of experience for credit, see the information under Interdisciplinary Studies in the alphabetical academic program listings in the center of the catalog.

Graduate Admission:

For information about graduate programs and admission requirements please see the information in this catalog under Graduate Admission, visit www.ewu.edu/grad or call the Graduate Studies Office in 206 Showalter Hall, (509) 359-6297.

Sources of Credit

Advanced Placement Exam	AP Score	Credit Awarded	EWU Equivalent/Elective Credit Granted
Art:			
History of Art	5	5	Art 213 (equivalent)
Studio Art-Drawing Portfolio	5	5	Art 396 (elective)
Studio Art-General Portfolio	5	5	Art 396 (elective)
Biology			
	4, 5	12	Biology 171, 172 and 173
Chemistry			
	3	5	Chemistry 151
	4	10	Chemistry 151, 152
	5	15	Chemistry 151, 152 and 153
Computer Science A			
	3	5	Computer Science 225 is awarded upon completion of Computer Science 226 with a grade of 2.5 or higher.
	4, 5	5	Computer Science 225
	3		Computer Science 226 is awarded upon completion of Computer Science 326 with a grade of 2.5 or higher.
Economics-Microeconomics			
	4	5	Economics 200
Economics-Macroeconomics			
	4	5	Economics 201
English Lang/Comp			
	3		Placement in English 201
	4	5	English Composition clearance and English 201
	5	10	English Composition clearance and English 101 and 201
English Lit and Comp			
	3		Placement in English 201
	4	5	English 170
	5	10	Humanities 210 and 211
Government and Politics:			
Comparative U.S.	3	5	Government 203
	3	5	Government 100
History:			
European	3, 4	5	History 105
	5	10	History 105 and 106
United States	3, 4	5	History 110
	5	10	History 110 and 305
Mathematics:			
Calculus AB	3, 4, 5	5	Math 161 is awarded upon completion of Math 162 with a grade of 2.0 or higher.
Calculus BC	3	5	Math 161 is awarded upon completion of Math 162 with a grade of 2.0 or higher.
	4, 5	10	Math 161 and 162 are awarded upon completion of Math 163 with a grade of 2.0 or higher.
Statistics AP	3, 4, 5	5	Math 115 satisfies mathematical reasoning requirement.
	4, 5		Satisfies prerequisites for Math 386
Modern Languages and Literatures:			
French	3	5	French 201
	4	10	French 201 and 202
	5	15	French 201, 202 and 203
German	3	5	German 201
	4	10	German 201 and 202
	5	15	German 201, 202 and 203
Russian	3	5	Russian 201
	4	10	Russian 201 and 202
	5	15	Russian 201, 202 and 203
Spanish	3	5	Spanish 201
	4	10	Spanish 201 and 202
	5	15	Spanish 201, 202 and 203
Music:			
Music Theory	4	12	Music 101, 102, 103, 201, 202 and 203

International Baccalaureate	IB Course	Higher Level Exam Minimum Score 5	EWU Equivalent/Elective Credit	Number of Credits
Physics:				
Physics B		4, 5	15	Physics 131, 132, 133, 161, 162 and 163
Physics C (Mechanics)		4, 5	5	Physics 151, 161
Physics C (Electricity and Magnetism)		4, 5	5	Physics 153, 163
Psychology				
		4, 5	5	Psychology 100
International Baccalaureate				
<i>IB Course Higher Level Exam Minimum Score 5</i>				
Art:				
Art/Design		Art 107 (equivalent)		5
Biology:				
Biology		Biology 171, 172 and 173		12
Economics				
		Economics 200, 201		10
History:				
History		History 106		5
History of Africa		History 315		5
History of the Americas		History 110		5
History of East and Southeast Asia		History 312		5
History of Europe		History 106		5
Music				
		Music 250, 251 and 252		9
Physics—Higher Level				
		Physics 131, 132, 133, 161, 162 and 163		15
Psychology				
		Psychology 100		5
CLEP Course				
	Minimum Score	Number of Credits	EWU Equivalent/Elective Credit	
Biology:				
General Biology	49	12	Biology 171, 172 and 173	
Principles of Marketing				
	80	4	Marketing 310	
Economics:				
Principles of Macroeconomics	48	5	Economics 201	
Principles of Microeconomics	47	5	Economics 200	
Government, American				
	47	5	Government 100	
History:				
History of the U.S. I:				
Early Colonization to 1877	45	5	History 110	
History of the U.S. II:				
1865 to the Present	45	5	History 110	
Western Civilization I:				
Ancient Near East to 1648	46	5	History 105	
Western Civilization II:				
1648 to Present	47	5	History 106	
Humanities (General Exam)				
	50	5	Humanities 211	
Mathematics:				
Calculus with Elementary Functions	45	10	Math 161, 162	
College Algebra	50	5	Math 105	
College Algebra/Trigonometry	54	10	Math 105, 106	
Trigonometry	57	5	Math 106	
Psychology:				
Introduction to Psychology	47	5	Psychology 100	
Sociology:				
Introduction to Sociology	47	5	Sociology 101, 361	

Placement and Clearance Exams

Admitted freshman and transfer students may be required to complete placement tests in mathematics and English composition. See the policy on enrollment in pre-university skills courses at the end of this section.

Examination Requirements:

Students who enter with an approved direct transfer associate degree are not required to complete any placement tests, subject to the exceptions listed below. All students have the option of taking the computer literacy placement test or enrolling in CPLA 100, *Computer Literacy I* and CPLA 101, *Computer Literacy II* or CPLA 120, *Computer Applications Literacy*.

Students must complete a placement exam in English composition and mathematics if they have not completed the equivalent of Eastern's ENGL 101 or MATH 104 with a 2.0 or better. Transfer students who do not have an approved direct-transfer associate degree or an intermediate college algebra course with a grade of at least 2.0 must take the mathematics placement test. Students who are required to take placement exams in mathematics and English composition will normally do so prior to initial enrollment during programs held for incoming students called STAR-Student Testing Advising and Registration.

Note: The Mathematics Placement Test may be taken twice in a calendar year with at least two weeks between test times.

Computer Literacy

Computer literacy clearance must be achieved by all students to earn a baccalaureate degree.

Specific information on what is covered in the challenge exams as well as exam procedures and dates are posted at: computerliteracy.ewu.edu

Computer literacy competency is demonstrated by successful completion of the clearance examination or completion of CPLA 100, *Computer Literacy I* (1 credit) with a "P" grade and CPLA 101, *Computer Literacy II* (1 credit) with a grade of at least 2.0 or completion of CPLA 120 (5 credits) with a grade of at least 2.0. CPLA 100 does not count toward university graduation requirements.

Note: The following students must complete the computer literacy requirements:

- All incoming students without a direct transfer associate degree or a previous bachelor's degree.
- All Education majors, even those with direct transfer associate degrees.
- All students in programs requiring CPLA 100, 101 or 120, including students with direct transfer associate degrees.
- All students with course requirements having CPLA 100, 101 or 120, including students with direct transfer associate degrees.

English Composition

English composition competency and proficiency must be demonstrated by all students to earn a baccalaureate degree.

- English composition competency is demonstrated by placement into ENGL 201, *College Composition: Analysis, Research and Documentation* based on the placement test score or by submission of an official transcript showing completion of ENGL 101, *College Composition: Exposition and Argumentation* or its equivalent, at a post-secondary institution with a grade of 2.0 or better. Students placed into ENGL 100, *Fundamentals of English Composition*, or ENGL 101, *College Composition*, must complete ENGL 100 with a grade of "P" and ENGL 101 with a grade of 2.0 or better before proceeding to the next level of ENGL. ENGL 100 does not count for college credit.
- English composition proficiency is demonstrated by completion of ENGL 201, *College Composition: Analysis, Research, and Documentation* or by submission of an official transcript showing completion of ENGL 201, or its equivalent, at a postsecondary institution with a grade of 2.0 or better. *English Composition Proficiency* should be completed as soon as possible because some courses require English 201 as a prerequisite.

International students or US citizens educated in a non-English speaking country whose first language is not English are advised to speak with the ESL director in the English Department about placement testing and evaluation.

For more information, contact the English Composition Program, (509) 359-7064.

Mathematics

Mathematics competency and proficiency must be demonstrated by all students to earn a baccalaureate degree.

- Mathematics competency is demonstrated by placement into any math course above MATH 104, *Intermediate Algebra*, based on the placement test scores or by submission of an official transcript showing completion of MATH 104, or its equivalent, at a postsecondary institution with a grade of 2.0 or better. Students placed into MATH 103, *Basic Algebra for College Students*, or MATH 104, *Intermediate Algebra*, must complete the course with a grade of 2.0 or better before proceeding to the next level of Math. MATH 103 and 104 do not count for college credit. Mathematics competency must be completed before 45 credits are earned.
- Mathematics proficiency is demonstrated by placement into Math 161, *Calculus I* based on the placement score or by submission of an official transcript showing completion of MATH 161, or its equivalent, at a postsecondary institution with a grade of 2.0 or better. Students placed into MATH 105, *Precalculus I*, or its equivalent, may obtain mathematics proficiency by completing one of the following requirements with a grade of 2.0 or better: MATH 115; both MATH 105 and 106; both MATH 211 and 212; MATH 200; or MATH 380. Specific mathematics requirements apply to various majors. Please consult an advisor when deciding which math courses to complete. Mathematics proficiency must be completed before 90 credits are earned. Additional course work beyond mathematics proficiency may be required to complete the major program requirements.
- Transfer students with an approved direct-transfer associate degree have met the mathematics competency and proficiency requirement but may need to complete additional math requirements for their major.
- Transfer students who enter the University with 40 quarter credits or more must complete both mathematics competency and mathematics proficiency within three quarters of admission.

Policy on Enrollment in Pre-university Skills Courses: Students whose placement testing places them in pre-university skills courses must enroll in at least one such course (5 credits) per quarter until these course requirements are satisfied. Furthermore, all students so placed must complete all pre-university mathematics, English and computer literacy courses before the completion of 45 university course credits. Failure to do so will result in a hold on subsequent registration until a plan to satisfy the pre-university requirements is accepted and has been signed off by their advisors. Students who have declared their majors will work with their advisors in their academic departments. Students who are undeclared will work with advisors in General Undergraduate Academic Advising. Students will need adequate advising to remain in compliance with this policy. Unavailability of these courses, as certified by your academic advisor in a given quarter, suspends this requirement for that quarter.

Pre-university basic skills include CPLA 100, ENGL 100, MATH 103 (was MATH 101 prior to fall, 2003) and MATH 104.

The Undergraduate Degree

The Undergraduate Degree requires:

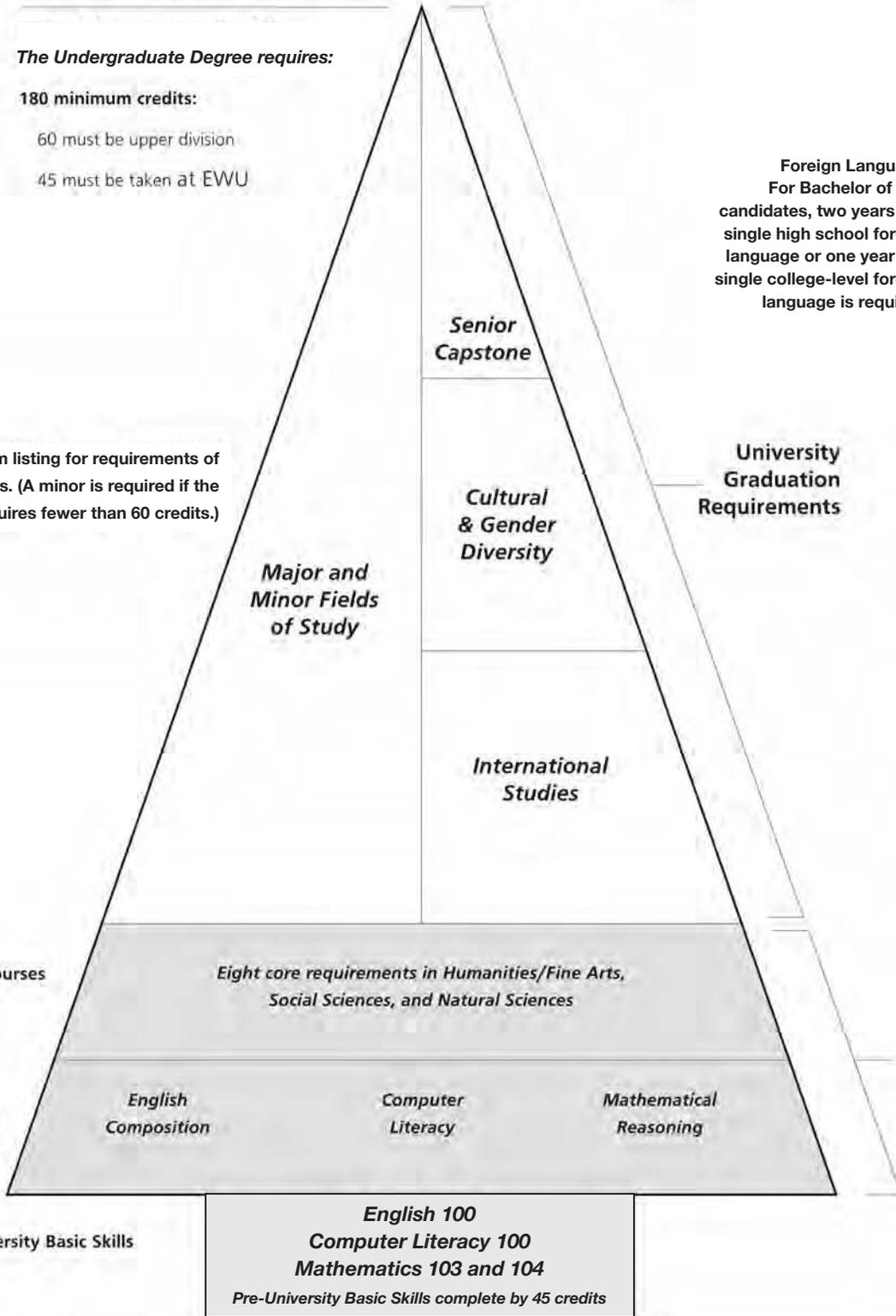
180 minimum credits:

60 must be upper division

45 must be taken at EWU

Foreign Language:
For Bachelor of Arts candidates, two years of a single high school foreign language or one year of a single college-level foreign language is required.

See Program listing for requirements of specific majors. (A minor is required if the major requires fewer than 60 credits.)



Shaded areas indicate requirements satisfied by completion of an approved direct transfer agreement degree.

A department may require specific courses to be completed for the major. For example, English 201 not taken for the DTA may be required.

UNDERGRADUATE DEGREE REQUIREMENTS

General requirements for the baccalaureate degree at Eastern include all of the following:

Minimum Credits

- 180 cumulative credit hours; credits earned in MATH 100, 101, 102, 103, 104 and 199, CPLA 100 and ENGL 100 do not count toward the 180 cumulative credits.
- 60 upper-division credits (300 level or above)
- 45 credits in residence (attendance) at Eastern, with at least 15 upper-division credits in major in residence at Eastern.

Minimum GPAs

- 2.0 cumulative GPA for Eastern Washington University course work.
- 2.0 cumulative GPA for all college-level course work (includes courses taken at other colleges or universities).
- 2.0 cumulative GPA for all General Education Core Requirements and University Graduation Requirements.
- 2.0 cumulative GPA in major program, subject to departmental requirements.
- 2.0 cumulative GPA in minor program, subject to departmental requirements.

General Education Requirements

Note: General education and graduation requirements are waived for a student possessing a baccalaureate degree from an accredited institution who wishes to obtain an additional undergraduate degree from Eastern.

All Eastern Washington University students are expected to acquire a liberal education. Eastern defines liberal education to include:

- Intellectual skills and habits of mind necessary to the pursuit and transmission of knowledge.
- A broad understanding of the history, institutions and traditions that most profoundly influence our social, political, economic, aesthetic and scientific lives.
- Specialized knowledge in a discipline.

EWU has designed the General Education Curriculum for the purpose of preparing students with the skills, habits of mind and breadth of subject matter that characterize an educated person. Through this curriculum, Eastern ensures that all students encounter the core academic disciplines, especially as they apply to major questions of our times.

University Competencies and Proficiencies

Refer to the Department/Program listing for recommended computer literacy, English composition and mathematics courses.

Computer Literacy: The computer literacy competency requirement may be satisfied by:

- successful completion of a computer literacy examination OR
- completion of the course or courses required as a result of the computer literacy examination with a minimum grade of 2.0. These courses may be CPLA 100, *Computer Literacy I* (1 credit, graded pass/no credit only) and CPLA 101, *Computer Literacy II* (1 credit) or CPLA 120, *Computer Applications Literacy* (5 credits). Credit for CPLA 100 does not count toward total graduation credits.

English Composition:

All students must complete ENGL 201, *College Composition: Analysis, Research and Documentation* (5 credits), or its transferable equivalent with a minimum grade of 2.0.

Students who have not completed a college-level composition course prior to entering Eastern must take the EWU English Composition Placement Test. Initial placement will be in ENGL 100 (*Fundamentals of English Composition*), ENGL 101 (*College Composition: Exposition and*

Argumentation) or ENGL 201 (*College Composition: Analysis, Research and Documentation*). Credits for English 100 do not count toward graduation.

Mathematics:

The general education mathematics requirement may be satisfied by any one of the following:

- placement into MATH 161, *Calculus I*, as a result of the Math Placement Test
- successful completion of the Mathematical Reasoning Exam OR
- completion of any of the following courses or its transferable equivalent with 2.0 minimum grades:
 - MATH 106 Pre-Calculus II
 - MATH 115 Mathematical Reasoning
 - MATH 161 Calculus I
 - MATH 200 Finite Mathematics
 - MATH 211 and MATH 212, Structure of Elementary Mathematics I and II
 - MATH 380 Elementary Probability and Statistics

Students who need additional math development may be required, on the basis of the Math Placement Test results, to complete MATH 103, *Basic Algebra for College Students* and/or MATH 104, *Intermediate Algebra* with a minimum grade of 2.0. Credits in MATH 103 and MATH 104 do not count toward total graduation credits, nor do credits in the three-course algebra sequence — MATH 100, 101 and 102.

Core Requirements

All students without an approved Direct Transfer Agreement (DTA) degree must complete eight general education core requirements (GECRs) of approximately 40 credits. These courses are designed to provide introductory knowledge, intellectual skills and habits of thought found in the core disciplines of the humanities and fine arts, the social sciences and the natural sciences. **Students must complete two GECR courses from one breadth area and three GECR courses from each of the other two breadth areas below for a total of eight GECR courses.** Students should complete University Competencies and Proficiencies prior to completion of the GECRs. Individual courses may require specific prerequisites. Check the catalog course descriptions for more information.

Humanities and Fine Arts (2 or 3 courses)

Students must choose one course per list from each of two or three lists below.

Note: HUMN 290, Arts and Ideas, may be used to satisfy List 1, 2 or 3 and typically is only offered summer term.

• List 1: Literature

- ENGL 170 Introduction to Literature (5)
- FREN 170 Introduction to Literature (5)
- GERM 170 Introduction to Literature (5)
- GNML 212 Modern World Masterpieces (5)
- HUMN 210 Classics in Literature (5)
- HUMN 211 Masterpieces of the Western World (5)
- HUMN 290 Arts and Ideas (5)
- RUSS 170 Introduction to Literature (5)
- SPAN 170 Introduction to Literature (5)

• List 2: Fine Arts

- ART/HUMN 213 Art in the Humanities (5)
- EMAF 214 Filmic Arts and the Humanities (5)
- HUMN 290 Arts and Ideas (5)
- MUSC/HUMN 212 Music in the Humanities (5)
- THTR/HUMN 202 Theatre in the Humanities (5)

• List 3: Philosophy and Reasoning

- CMST 209 Communication, Community and Citizenship (5)
- HUMN 215 Introduction to Religion (5)
- HUMN 270 Great World Views (5)
- HUMN 290 Arts and Ideas (5)
- PHIL 210 Critical Thinking (5)
- PHIL 211 Introductory Philosophy (5)
- PHIL 212 Introductory Ethics (5)
- PHIL 213 Moral Issues in America (5)

• **Honors: (Open only to students admitted to the Honors Program)**

- HONS 101 The Intellectual Tradition: The Ancient World (8) (counts as 1 Humanities GEGR; 1 Social Science GEGR)
- HONS 102 The Intellectual Tradition: Middle Ages through the Reformation (8 counts as 1 Humanities GEGR; 1 Social Science GEGR)

Social Sciences (2 or 3 courses)

Students must choose one course per list from each of two or three lists below.

• **List 1: Economics and Government**

- ECON 100 General Education Economics (5)
- ECON 200, 201 Introduction to Microeconomics, Introduction to Macroeconomics (10) (counts as 1 GEGR course)
- GOVT 100 Modern Government in an American Context (5)

• **List 2: Anthropology, Geography, Psychology and Sociology**

- ANTH 101 Cultural Anthropology (5)
- CEDP 201 Life Span Development (4)
- GEOG 101 Fundamentals of Human Geography (5)
- PSYC 100 General Psychology (5)
- SOCI 101 Introduction to Sociology (5)

• **List 3: History**

- HIST 105 Western Heritage: Origins to the 18th Century (5)
- HIST 106 Western Heritage: 18th Century to the Present (5)
- HIST 110 The American Experience: A Survey (5)

• **Honors: (Open only to students admitted to the Honors Program)**

- HONS 101 The Intellectual Tradition: The Ancient World (8) (counts as 1 Social Science GEGR; 1 Humanities GEGR)
- HONS 102 The Intellectual Tradition: Middle Ages through the Reformation (8) (counts as 1 Social Science GEGR; 1 Humanities GEGR)
- HONS 103 Modern Science and Society (8) (counts as 1 Social Science GEGR and with HONS 104 Honors Natural Science Lab (1) counts as 1 Natural Science GEGR)

Natural Sciences* (2 or 3 courses)

Students may not take more than one course from a single department listed below.

Natural Science Prerequisites

- For the first natural science course: MATH 104, *Intermediate Algebra* and CPLA 100, *Computer Literacy I* must be cleared, or must be concurrently enrolled in at least one of those courses.
- For the second natural science course: MATH 104, *Intermediate Algebra* or *Computer Literacy I* must be cleared, and the other cleared or taken concurrently.
- **Biology: Students may choose one of the following:**
 - BIOL 100 Introduction to Biology (5)
 - BIOL 115 Investigating Biology (5)
- **Chemistry: Students may choose the following:**
 - CHEM 121 Chemistry and its Role in Society (5)
- **Environmental Science: Students may choose the following:**
 - ENVS 100 Introduction to Environmental Science (5)
- **Geography: Students may choose one of the following:**
 - GEOG 100 Fundamentals of the Physical Environment (5)
 - GEOG 204 Atmospheric Environment (5)
- **Geology: Students may choose one of the following:**
 - GEOL 100 Discovering Geology (5)
 - GEOL/GEOG 115 Investigating Earth Science (5)
 - GEOL 120 Physical Geology - The Solid Earth (5)
 - GEOL 121 Physical Geology - Superficial Processes (5)
 - GEOL 205 Geology of the National Parks (5)
- **Physics: Students may choose one of the following:**
 - PHYS 100 Physical Science (5)
 - PHYS 115 Investigating Physical Science (5)
 - PHYS 121 Descriptive Astronomy (5)
- **Honors: (Open only to students admitted to the Honors Program)**
 - HONS 103, 104 Modern Science and Society, Honors Natural Science Lab (9) (with HONS 104 counts as 1 Natural Science GEGR; HONS 103 alone counts as 1 Social Science GEGR)

*Note: The following courses are designed for students majoring in science and related areas, as compared to the general science courses listed above. When used as part of degree program requirements, these courses meet GEGR natural science requirements.

• **Biology: Students may choose one of the following:**

- BIOL 132/133 Introduction to Human Anatomy and Physiology (10) (counts as 1 GEGR course)
- BIOL 171, 270 Biology I, Biological Investigation (7) (counts as 1 GEGR course)
- BIOL 171, 172, 270 Biology I, Biology II, Biological Investigation (11) (counts as 2 GEGR courses)
- BIOL 232, 233, 234 Human Anatomy and Physiology for Non-Biology Majors (15) (counts as 2 GEGR courses)

• **Chemistry: Students may choose one of the following:**

- CHEM 151 General Chemistry (5)
- CHEM 151, 152 General Chemistry (10) (counts as 2 GEGR courses)
- CHEM 161 General Chemistry for the Health Sciences (5)
- CHEM 161, 162 General Chemistry for the Health Sciences (10) (counts as 2 GEGR courses)

• **Physics: Students may choose one of the following:**

- PHYS 131 Introductory Physics I, (4, 1) (PHYS 161 required, counts as 1 GEGR course)
- PHYS 131, 132 Introductory Physics I, II, (8, 2) (PHYS 161 is required plus any one of the following: 162, 163, 164, counts as 2 GEGR courses)
- PHYS 151, General Physics I, (4, 1) (PHYS 161 required, counts as 1 GEGR course)
- PHYS 151, 152, General Physics I, II, (8, 2) (PHYS 161 is required plus any one of the following: 162, 163, 164, counts as 2 GEGR courses)

With permission, other appropriate physics labs may be substituted for 163 or 164.

University Graduation Requirements

These requirements apply to all undergraduate students who do not have baccalaureate degrees. While general education, in the form of competencies, proficiencies and content-rich survey courses, typically occupies the student's first two years, liberal education continues to color and challenge every student's intellectual journey toward graduation. The following requirements may be satisfied through the courses listed or transferable equivalents:

Cultural and Gender Diversity and International Studies

(8 credits minimum; 4 in each area) Courses and experiences will be designed to provide knowledge and understanding of 1) the cultural diversity of the United States and 2) other societies and cultures of the world. Second year or more advanced language study for 4–5 credits or 10 credits of approved (Japanese or Chinese) first-year language study may satisfy the International Studies Requirement. American Sign Language is excluded from fulfilling the International Studies Requirement.

Courses approved for Cultural and Gender Diversity:

- AAST 214 Introduction to African American Culture (5)
- AAST 215 Early African American History (5)
- AAST 216 20th Century African American History (5)
- AAST 311 African and African American Art History (5)
- AAST 379 American Literature of Ethnic Minorities (5)
- AAST 424 Economics of Poverty and Discrimination (5)
- ANTH 161 Introduction to Chicano Culture (5)
- ANTH 201 Latinas/os in Contemporary American Society (5)
- ANTH 355 Indians of North America
- ART 310 World Art (5)
- ART 311 African and African American Art History (5)
- CHST 101 Introduction to Chicano Culture (5)
- CHST 201 Latinas/os in Contemporary American Society (5)
- CHST 218 Chicano History (5)
- COMD 201 Disability and Communication Diversity: A Communication Disorders Perspective (4)
- CMST 340 Intercultural Communication (5)
- CMST 414 Gender and Communication (5)
- ECON 424 Economics of Poverty and Discrimination (5)
- ECON 427 The Economics of Women and Work (5)
- EDUC 325 Inequalities and Impacts on Educational Equity (4)
- ENGL 379 American Literature of Ethnic Minorities (5)
- ENGL 380 Survey of Native American Literature (5)
- ENGL 389 Women, Literature and Social Change (5)
- HIST 215 Early African American History I (5)
- HIST 216 Early African American History (5)
- HIST 218 Chicano History (5)
- HIST 313 Asian American History (5)
- HIST 394 Women in American History (4)
- HUMN 101 Introduction to Women's Studies (5)
- HUMN 214 Introduction to African American Culture (5)
- HUMN 310 Issues in Women's Studies (4)
- HUMN 311 African and African American Art History (5)

HUMN 379 American Literature of Ethnic Minorities (5)
 HUMN 415 Gay, Lesbian, Bisexual and Transgender Studies (5)
 IDST 101 Introduction to Indian Studies (4)
 IDST 321 Contemporary Indian Studies (4)
 IDST 380 Survey of Native American Literature (5)
 PHIL 417 Women and Ethics (5)
 PSYC 331 Psychology of Women (4)
 SOCI 320 Race and Ethnic Relations: Global Perspectives (5)
 SOCI 321 Sex and Gender (5)
 WMST 101 Introduction to Women's Studies (5)
 WMST 310 Issues in Women's Studies (4)
 WMST 321 Sex and Gender (5)
 WMST 331 Psychology of Women (4)
 WMST 389 Women, Literature and Social Change (5)
 WMST 394 Women in American History (4)
 WMST 414 Gender and Communication (5)
 WMST 415 Gay, Lesbian, Bisexual and Transgender Studies (5)
 WMST 417 Women and Ethics (5)
 WMST 426 Economics of Poverty and Discrimination (5)
 WMST 427 The Economics of Women and Work (5)

Courses approved for International Studies:

AAST 315 African History (5)
 ANTH 342 Tribes, Bands and Chiefdoms (5)
 ANTH 348 Peasant Societies (5)
 ANTH 349 Major Civilizations of Asia (5)
 ANTH 357 Peoples of Latin America (5)
 ANTH 358 Medical Anthropology (5)
 ANTH 366 Revolution and Development in the Third World (5)
 ANTH 450 Cultural Ecology (5)
 BIOL 320 The Human Prospect (5)
 CMST 440 International Communication (5)
 ECON 470 International Economics (5)
 ECON 475 Economic Development (5)
 EDUC 323 A Global View through Children's Literature (5)
 ENGL 323 A Global View through Children's Literature (5)
 GEOG 230 World Regional Geography (5)
 GEOL 380 World Resources and Population (5)
 GERM 381 Nationalism and Racism in Central European Film (4)
 GERM 382 20th-Century Germany, From World Wars to Cold War. Culture, Political Conflict, and National Identity (5)
 GOVT 203 Introduction to Comparative Politics (5)
 GOVT 204 Introduction to International Politics (5)
 GOVT 321 International Organization (5)
 GOVT 326 Politics of Western Europe (5)
 GOVT 329 Survey of Pacific Rim: Asia (5)
 HIST 104 East Asia: Tradition and Transformation (5)
 HIST 301 History of the Present (5)
 HIST 310 Imperial China (5)
 HIST 315 African History (5)
 HIST 350 War and Society (5)
 HIST 365 Latin American History (5)
 HIST 382 20th-Century Germany, From World Wars to Cold War. Culture, Political Conflict, and National Identity (5)
 HIST 416 Modern Japan (5)
 HIST 454 The Diplomatic History of Europe, 1914 to the Present (5)
 HUMN 315 East-West Philosophies and Religions (5)
 HUMN 320 The Human Prospect (5)
 HUMN 381 Nationalism and Racism in Central European Film (4)
 HUMN 440 Perspectives on Death (5)
 IBUS 470 International Business Management (4)
 IBUS 471 Multinational People Management (4)
 INST 380 Japan Today (4)
 JAPN 380 Japan Today (4)
 MGMT 470 International Business Management (4)
 MGMT 471 Multinational People Management (4)
 PLAN 476 Comparative Urbanization (4)
 SOCI 263 Social Problems (5)
 SOCI 486 Contemporary World Systems (5)
 TECH 393 Technology in World Civilization (4)

Senior Capstone/Thesis Graduation Requirement

ITGS 400 Interdisciplinary Senior Capstone (4)

or

For some majors, students may fulfill this requirement by completing a departmental capstone/thesis course. Check with the chair of the major department.

Foreign Language Requirement for Bachelor of Arts Candidates

Two years of one single language in high school or one year of a single language in college. Eastern offers American Sign Language, Chinese, French, German, Japanese, Russian and Spanish languages.

Major/Minor Requirements

A minor is required for any major with fewer than 60 credits. See the Department/Program section of this catalog for detailed course and graduation requirements.

Undergraduate Studies Academic Policies

(Organized in alphabetical order)

Academic Appeals Board

Exceptions to academic regulations are considered by an Academic Appeals Board that consists of faculty and student representatives. The Academic Appeals Board will consider petitions of the following undergraduate requirements:

- General education
- University graduation
- 60 upper-division credits
- 45 credits in residence
- 15 upper division residence credits in major
- Foreign language

To submit an appeal to the board, consult with the graduation evaluator in the Records and Registration Office in Sutton Hall. Submission of an appeal should be made sufficiently in advance of graduation so that program planning can be done according to the decision of the board to approve, deny or reconsider the petition.

The Academic Appeals Board does not consider cases that apply to majors or minors, grade appeals or professional certification. Consult with the appropriate department chair or program director to discuss any of these matters.

Academic Forgiveness Policy for Undergraduate Students

1. Undergraduate students may make a one-time petition to have up to two consecutive quarters or one semester of credit, regardless of the institution from which they were earned, entirely removed from the calculation of their credits and GPA. The course work must have been completed at least five years prior to this petition.
2. Forgiven courses cannot be used to satisfy any academic requirement.
3. Academic forgiveness may be recommended on a case-by-case basis during advising.
4. To be eligible for academic forgiveness, a student must have completed 30 consecutive credits at Eastern, maintained a GPA of 2.5 or higher and have declared a major.
5. Academic forgiveness may not be revoked. For further information on Academic Forgiveness, go to the Records and Registration Office, 201 Sutton Hall or call (509) 359-2321.

Academic Honors

Deans' Honor List

Undergraduate students who complete at least 12 graded credits in a given quarter with a 3.50 GPA or higher will be placed on the quarterly Deans' Honor List for academic excellence. The honor is also recorded on the University transcript.

Honors at Graduation

Graduating seniors who achieve academic honors will be formally recognized during Commencement, on University transcripts and on their diploma. It is University policy to use all college-level course work taken at Eastern and any other colleges attended in computing a GPA for graduation honors. The following designations apply:

- Summa cum laude: Graduating seniors with a GPA between 3.7695 and 4.0.
- Magna cum laude: Graduating seniors with a GPA between 3.6295 and 3.7694.
- Cum laude: Graduating seniors with a GPA between 3.4995 and 3.6294.

Academic Probation, Dismissal and Reinstatement

All undergraduate students are held to the following academic standards and policies:

- At the end of each quarter, undergraduate students who do not attain a cumulative GPA of 2.0 are placed on academic probation for the next quarter of enrollment.
- Undergraduate students on academic probation who attain a quarterly GPA of 2.0 or higher but whose cumulative GPA is still below the minimum 2.0 will remain on academic probation.
- Undergraduate students on academic probation who attain a cumulative 2.0 GPA are automatically removed from probation.
- Undergraduate students on academic probation whose cumulative GPA remains below 2.0 and whose quarterly GPA is below 2.0 will be dismissed from the University.
- All first-time Eastern Washington University undergraduate students will be subject to dismissal after two consecutive quarters of probation.
- Continuing Eastern Washington University undergraduate students are subject to dismissal after one quarter of probation.
- To re-enroll after being academically dismissed, students with undeclared majors must request reinstatement through the Office of General Undergraduate Academic Advising. Students with declared majors should request reinstatement through the deans of their colleges.
- A dismissed undergraduate student is not eligible to enroll for the following academic quarter (fall, winter or spring) and is required to remain out of school for at least one academic quarter after a first dismissal or one academic year after a second dismissal.
- First-time dismissed undergraduate students will be eligible to petition for reinstatement after one quarter.
- Undergraduate students dismissed a second time will be eligible to petition for reinstatement after one year.
- To be eligible for reinstatement, dismissed undergraduate students must demonstrate an improved academic performance at the college level, a readiness for academic success and a more positive academic position.
- The probation/dismissal/reinstatement process for undergraduates is coordinated through the Office of General Undergraduate Academic Advising. Consult that office if you have any questions.
- Summer Session Policy: A dismissed undergraduate student may enroll for summer session. But to be eligible to continue in the fall, the student must complete at least 10 graded credits during summer session with a minimum 2.0 GPA for that quarter.

Application for Graduation (Major/Minor Form)

Application for graduation is required for any student seeking an undergraduate degree and must be submitted to the graduation evaluator, Records and Registration Office, second floor, Sutton Hall, by the published deadlines. Graduation application deadlines are available in Records and Registration, academic departments and the quarterly course announcement.

Timely submission provides an opportunity to review degree requirements and to plan or change course enrollment to ensure completion of all requirements.

Students who do not complete all degree requirements in the quarter of intended graduation must reapply for a subsequent quarter with the graduation evaluator. A reapplication fee may be assessed.

The graduation application fee and the reapplication fee change annually. For current fees, please see www.ewu.edu/x8282.xml

To complete an application for the undergraduate degree

- Submit the Application for Graduation/Major/Minor Requirements approval form with all required faculty signatures to the Records and Registration Office, 201 Sutton Hall.
- Pay the graduation fee in Student Financial Services (one fee for each degree), 202 Sutton Hall.

Catalog Options**General Education Requirements/University Graduation Requirements**

A student may choose the catalog under which s/he graduates provided the catalog was: (a) active at the time of the student's initial matriculation date at Eastern or; (b) active at the time the student declared a major. There will only be one active catalog at any one time. The act of declaring a major is different than being accepted to a major. The catalog will be associated with the student based on when interest in a major was indicated by declaring a major, not necessarily with the timing of the student's acceptance into a program of study. Degree requirements include both general education requirements and major requirements. The degree requirements must come from a single catalog. A student cannot choose the general education requirements from one catalog and major requirements from another catalog.

Major/Minor Requirements

Students have the option of graduating under the major/minor requirements in effect at the time of acceptance as a major or minor, or at the time of graduation provided there has not been a break in enrollment of one or more consecutive years and provided the catalog under which the student graduates is no more than six years old at the time of graduation.

Minors are a distinct set of undergraduate courses that have been approved and designated in the catalog. A minor is required for graduation with any major program of less than 60 credits. Minors that are required for graduation must contain at least 15 credits that are not part of the major requirements. (The minor cannot be fully embedded in the major requirements.) Minors that are an option for graduation may be embedded in the major requirements and recorded on official university transcripts.

Students who do not enroll for one or more consecutive years have the option of graduating under the catalog in effect at the time of re-enrollment, or acceptance as a major or minor (only if this acceptance occurs after re-enrollment) provided the catalog under which the student graduates is no more than six years old at the time of graduation.

Students should check the sections of this catalog pertaining to particular major and minor programs and should consult with a departmental advisor.

A department chair in consultation with a student has the authority to waive or provide substitute course work after acceptance into a program, provided the student is not required to enroll for more than a normal course load in any quarter, or to prolong the time required to complete graduation.

The above provisions may not apply to requirements of certification programs set by outside agencies.

Declaring a Major and Minor

All undergraduates must declare a major by the time they have completed 95 credits. Students who transfer with 95 credits or more must declare a major before registration. Call or e-mail the General Undergraduate Academic Advising Office, 302 Sutton Hall, for exact procedures on declaring a major at (509) 359-2345 or genadvising@mail.ewu.edu.

Grading System, Policies, and Appeals

General information is provided in the policy section at the back of the catalog, including the full policy on grade appeals.

Second Degree Policy

Students may earn more than one undergraduate degree from EWU if the subsequent degree requires completion of a program that is distinct from the first. For example, a student may not earn a BS in Biology and a BA in Liberal Studies using the same course work required for the BS degree.

A second degree of the same type (such as a second BA) can be earned only if at least 45 additional credits are required and completed for the second

degree. A second degree will be recorded on the University transcript and a second diploma is issued. If fewer than 45 credits are completed, a second major will be recorded on the University transcript, and no diploma or degree will be issued.

Transfer post-baccalaureate students can receive a bachelor's degree from EWU that is of the same type (BA, BS, BAE, etc.) as awarded at the transfer institution, provided EWU's degree requirements are completed. The major/minor area of emphasis must be different from that awarded at the transfer institution.

Any questions regarding this policy should be directed to the Graduation Evaluators in Records and Registration, second floor, Sutton Hall.

Note: General education and graduation requirements are waived for a student possessing a baccalaureate degree from an accredited institution who wishes to obtain an additional undergraduate degree from Eastern.



GRADUATE STUDIES ADMISSION INFORMATION

Graduate Studies Office
206 Showalter Hall
(509) 359-6297
e-mail: gradprograms@mail.ewu.edu
website: www.ewu.edu/grad

The Graduate Studies Office coordinates admission for all of Eastern's graduate programs, and provides a wide range of assistance to prospective and current students as well as to faculty and staff at the University. Admission to graduate studies requires at a minimum completion of a baccalaureate degree. For more information about the academic and student services provided by the office, regarding admissions and policies, call or e-mail the Graduate Studies Office or visit the website, www.ewu.edu/grad

Application Process

Online application for most programs can be made on EagleNET at www.eaglenet.ewu.edu. An application may also be downloaded at the graduate studies website, www.ewu.edu/grad. Admission requirements for individual programs vary and usually include supplemental materials beyond the general application to graduate studies. Any supplemental materials required by a program should be sent directly to that department. Use the summary guidelines and the departmental listing on the Web or in the catalog immediately following this section to identify specific requirements. To be considered for admission, all materials must be submitted by the specific deadlines established by each program. Applicants to more than one program (this includes dual degree programs) must submit a complete separate application for each program.

Application Requirements and Categories

All Applicants

Application form: Submit a completed Application for Admission and a \$50 application fee. Paper applications must be in duplicate and are required for international applicants; only one electronic application is required. A fee is required for each graduate program application except for dual degree program applicants who pay only one fee.

Standardized Test Scores, GRE/GMAT: Submit official score reports from the Graduate Record Examination General Test, (GRE) if required by the department, or score reports from the Graduate Management Admission Test (GMAT) for MBA applicants. Official scores must be sent directly by the Educational Testing Service to Eastern (school code 4301). Information booklets and applications for these examinations are available in the Graduate Studies Office. Computer-based testing is available in many areas and is offered regularly throughout the year. Call 1 (800) GRE-CALL or refer to www.gre.org or www.gmat.org for more information.

Transcripts: Submit two official copies of transcripts from all colleges and universities attended. Students who received undergraduate degrees from Eastern or who have previously been admitted to Eastern need not request that those transcripts be sent to the Graduate Studies Office.

International Applicants

In addition to a paper Application for Admission to graduate studies and the application fee, international applicants are required to submit a course-by-course credential evaluation through World Education Services (WES) or another credential evaluation service recognized by the National Association of Credential Evaluation Services (NACES), which can be found at www.naces.org. The WES application and forms are available at www.wes.org. Graduates of accredited US universities are not required to submit a credential evaluation. One copy of official university transcripts or postsecondary academic records must also be sent directly to Graduate Studies, 206 Showalter Hall, Cheney, WA 99004-2444. International applicants who have already had a credential evaluation completed by WES or another credential service need to have an official copy of that evaluation sent to Eastern, along with a copy of their university transcripts.

www.ewu.edu

Language Proficiency: All students from countries where English is not the native language must provide evidence of adequate proficiency in the English language before being admitted to graduate study. This requirement may be satisfied by presenting a Test of English as a Foreign Language (TOEFL) score of 580 (237 on the computer based TOEFL) or its equivalent. A student with a TOEFL score between 550 (213 on the computer-based TOEFL) and 580 may be admitted conditionally. In such cases, registration for classes is conditional upon having a program of English language study approved by the foreign student advisor. A student with conditional admission will be granted full admission upon presentation of a new TOEFL score (or equivalent) of at least 580 or upon the recommendation of the director of the English as a Second Language Program. Students with TOEFL scores from 525 to 550 may be admitted to the University as post-baccalaureate students and may take up to 12 pre-admission credits to be counted toward a graduate degree with the recommendation of the program.

Please note:

International students who have earned an undergraduate degree from an accredited post-secondary institution in the US are not required to submit a TOEFL score as part of their applications.

Alternative to TOEFL admission requirements: Applicants from countries where English is not the native language who are otherwise admissible to graduate studies may, with the written approval of the individual program, be admitted upon successful completion of a prescribed program of appropriate content course work and English Language Institute (ELI) course work. Said course work will be agreed upon in advance by both the program and ELI. Successful completion is defined by the individual program for the content courses and by ELI in the advanced language level by achieving linguistic proficiency with a "good" rating on the ELI scale (fair/good/excellent). Up to 12 quarter credits of content-level course work may be applied to the appropriate graduate program with the program's written approval.

Note: This policy is not to be construed as replacing the evaluation of an applicant by the director of the TESL program for students who submit a TOEFL of 550-580, nor should it be construed as a policy on conditional admission to Graduate Studies.

Graduate Admission Requirements and Exceptions to Minimum Requirements

A baccalaureate degree from an appropriately accredited college or university is required for admission to a graduate program. Upon receipt of a complete application, eligibility for graduate admission is determined by evidence of scholarly ability as indicated by a minimum GPA of 3.0 in the last 90-quarter or 60-semester-graded hours. Applicants with an earned graduate or professional degree from an appropriately accredited institution meet the minimum GPA admission requirements.

- Admission to graduate studies is granted only after acceptance by the major department and the approval of the dean of Graduate Studies.

Exceptions to GPA Requirements for Graduate Admission

Upon written recommendation by the program director, the dean of Graduate Studies may approve the admission of a limited number of students who do not meet the GPA minimum based upon considerations which include GRE or other test scores, performance in relevant graduate courses and faculty evaluations.

Professional Experience and Graduate Admissions

Applicants with at least 10 years of increasingly responsible professional experience in the field for which they are applying may be considered for regular admission to graduate studies. These applicants must have a baccalaureate degree from an accredited university, follow the general application procedures outlined above, and meet at least three of the following five requirements:

- Submit a transcript showing a 3.0 GPA for the last 90-quarter or 60-semester-graded hours.
- Submit satisfactory scores on the GRE, GMAT, or other approved test.

- Write an essay demonstrating critical thinking skills.
- Write a statement of intent demonstrating a level of knowledge and intellectual maturity appropriate to the proposed field of graduate study.
- Present evidence of professional success in a field relevant to the proposed area of study.

Applicants for admission under the professional experience provision must work closely with the program advisor or director to ensure that all required materials are received and reviewed. Any recommendation for admission under this provision must come from the academic department or program to the Graduate Studies Office. Admission is granted only with the approval of the dean of Graduate Studies. Call the Graduate Studies Office if there are further questions.

Grading System, Policies, and Appeals

General information is provided in the policy section at the back of the catalog, including the full policy on grade appeals. Also see the information below on Graduate Studies Academic Policies and Degree Requirements.

Graduate Degree Requirements

Each academic program specifies the particular requirements for the degree in the program listings in the center of this catalog. Graduate degree specializations must be built upon adequate undergraduate preparation. The minimum credits required to complete a graduate degree at Eastern are as follows:

- Master of Science 48 cr
- Master of Education 48 cr
- Master of Business Administration 49 cr

- Master of Arts 50 cr
- Master of Nursing 60 cr
- Master of Public Administration 60 cr
- Master of Fine Arts 72 cr
- Master of Urban and Regional Planning 72 cr
- Master of Social Work 90 cr
Advanced Standing program 51 cr
- Master of Occupational Therapy 131 cr
Advanced Standing program 73 cr
- Doctor of Physical Therapy 161 cr

Minimum Dual Degree Requirements:

- MPA/MBA 73 cr
- MPA/MSW 118-122 cr
MPA/MSW Advanced Standing 83 cr
- MPA/MURP 90-92 cr
- MSW/JD (with Gonzaga University*), 78 credits at EWU with 12 transfer credits from Gonzaga 90 cr
Advanced Standing MSW/JD (with Gonzaga University*), 39 credits at EWU with 12 transfer credits from Gonzaga 51 cr

* Dual degree students in this program must satisfy all Gonzaga University law school juris doctorate requirements.

Complete requirements for all graduate students are established and approved by the Graduate Affairs Council. A copy of the current policy manual is available from the Graduate Studies Office.

Graduate Studies Degree Summary Application Guidelines

Program	Degree Name	Exams Required	Deadlines and Special Requirements Graduate Assistantship Application Due by March 1 for Fall Enrollment	Contact Person Area code for all phone numbers is 509
Biology	MS	GRE (general)	April 1 for fall; October 15 for winter; January 16 for spring; TOEFL if applicable	Ross Black 258 Hall of Sciences 359-4815 rblack@mail.ewu.edu
Business	MBA	GMAT	Quarterly admittance; weekend and evening programs available	David Gorton 668 N. Riverpoint Blvd. #326 Spokane, WA 358-2270 mgorton@mail.ewu.edu
College Instruction	MA MS	None	Quarterly admittance; contact department for further information.	Nancy Todd 312D Williamson Hall 359-6094 ntodd@mail.ewu.edu
Communication Studies	MS	GRE (general)	3.0 GPA; essay; quarterly admittance; 800-1,000-word essay	Igor Klyukanov 215 EWU Spokane Center 359-4395 iklyukanov@mail.ewu.edu
Communication Disorders	MS	GRE (general)	Recommendations; statement of professional interest and intent February 1 deadline; \$27.45 program application fee	Roberta Jackson 110 Communication Building 358-7584 rjackson@mail.ewu.edu
Computer Science	MS	None	Statement of purpose; self-evaluation; two recommendations (one from a computer science instructor); quarterly admittance	Timothy Rolfe 313 Computer and Engineering Building 359-6162 trolfe@mail.ewu.edu
	MEd	None	Statement of purpose; self-evaluation; two recommendations; quarterly admittance	Linda Kieffer 316 Computer and Engineering Building 359-7093 lkieffer@mail.ewu.edu
Counseling, Educational and Developmental Psychology	MS Mental Health Counseling School Counseling	GRE	Supplemental application due February 1	Mark Young 316 Spokane Center 623-4225 myoung@mail.ewu.edu
	MEd Special Education	GRE, West-B, if applicable	Supplemental application due May 1; interview of applicants	Charlie Cleanthous 141G Martin Hall 359-2816 ccleanthous@mail.ewu.edu
	MS School Psychology	GRE	Supplemental application due March 1	Gretchen Jefferson 135 Martin Hall 359-4665 Gretchen.Jefferson@mail.ewu.edu
Creative Writing	MFA	GRE (general)	10-20 pages of poetry; 15-25 pages of prose; Additional letter including interest and teaching experience for Graduate Assistantship; To guarantee a spot in the fall, all applications must be received by March 1; Otherwise quarterly admittance	Jonathan Johnson 408C Spokane Center 623-4342 Jonathan.Johnson2@mail.ewu.edu
Education	MEd	West-B only for programs with certification	Three recommendations (one from a supervisor); send copy of State Teaching Certificate for: Curriculum and Instruction, Educational Leadership, Literacy Specialist; quarterly admittance; Contact department for further information.	Nancy Todd 312 Williamson Hall 359-6094 Nancy.Todd@mail.ewu.edu

Graduate Studies Degree Summary Application Guidelines

Program	Degree Name	Exams Required	Deadlines and Special Requirements	Contact Person
			Graduate Assistantship Application Due by March 1 for Fall Enrollment	Area code for all phone numbers is 509
English	MA	GRE	All applicants declare professional emphasis; 800-1,000-word department essay; quarterly admittance	Dana Elder 250E Patterson Hall 359-2400 delder@mail.ewu.edu
Literature	MA	GRE	Quarterly admittance	Judy Logan 254Q Patterson Hall 359-6035 judy.logan@mail.ewu.edu
Rhetoric/ Composition and Technical Communication	MA	GRE	10-15-page writing sample; personal or telephone interview arranged by applicant; quarterly admittance	Lynn Briggs Pence Union Building 354 359-4359 Lynn.Briggs@mail.ewu.edu or Anthony Flinn 254N Patterson Hall 359-4659 Anthony.Flinn@mail.ewu.edu
Teaching English as a Second Language	MA	GRE; TOEFL (if applicable)	If English is not first language: 1) TOEFL score of 580 and 2) personal or telephone interview with graduate program director; foreign language requirement for all students; quarterly admittance	LaVona Reeves 254R Patterson Hall 359-7060 Lavona.Reeves@mail.ewu.edu
History	MA	GRE	Quarterly admittance; substantial academic writing sample; one-page career and purpose statement; two letters of recommendation	Michael Conlin 200E Patterson 359-7851 mconlin@mail.ewu.edu
Interdisciplinary	MA/MS	None (unless required by program advisors)	Quarterly admittance; Interdisciplinary program proposal form	Graduate Studies Office 206 Showalter 359-6297 gradprograms@mail.ewu.edu
Mathematics	MS	GRE	Quarterly admittance; contact department for further information	Yves Nievergelt 127 Kingston Hall 359-4259 ynievergelt@mail.ewu.edu
Modern Languages French Only	MEd	None	Summer language classes only; quarterly admittance; contact department for further information	Margaret Heady 350 Patterson Hall 359-2861
Music	MA	GRE (general)	Quarterly admittance; contact department for further information	Morton Kristiansen 234 Music Building 359-6906 Morton.Kristiansen@mail.ewu.edu
Nursing	MN	None	Recent completion of course in basic descriptive and inferential statistics; recommendations; March 15, fall; November 15, spring	Anne Hirsch Intercollegiate College of Nursing 324-7334 hirsch@wsu.edu
Occupational Therapy	MOT	GRE	February 1 deadline for start of program summer term; supplemental application; three letters of recommendation; interview	Greg Wintz 225 Health Science Building 368-6562 Greg.Wintz@mail.ewu.edu
Physical Education	MS	None	Fall admittance; one-two-page goals and philosophy statement; three letters of recommendation	Jeni McNeal 200 PEHR Classroom Building 359-2372 Jeni.mcneal@mail.ewu.edu

Graduate Studies Degree Summary Application Guidelines

Program	Degree Name	Exams Required	Deadlines and Special Requirements	Contact Person
			Graduate Assistantship Application Due by March 1 for Fall Enrollment	Area code for all phone numbers is 509
Physical Therapy	DPT	GRE	January 6 application deadline; \$75 program application fee and supplemental application; fall admission only	Meryl Gersh 270 Health Services Building 368-6601 Meryl.Gersh@mail.ewu.edu
Psychology	MS	GRE (within five years)	Department application; statement of intent; three recommendations; March 1 deadline for fall	Pamela Barnes – Clinical 151 Martin Hall 359-2445 pamela.barnes@mail.ewu.edu Leonard Stern – General/Experimental 151 Martin Hall 359-6160 leonard.stern@mail.ewu.edu
	*			
Public Administration	MPA	TOEFL (if applicable)	Quarterly admittance; additional form; current resume; short essay depicting career plan; three recommendations; contact program for further information	Larry Luton 668 N. Riverpoint #324 Spokane, WA 358-2230 Larry.Luton@mail.ewu.edu
Social Work	MSW	GRE (optional)	500-1,000-word personal statement; three letters of reference; contact department for further information	Patricia Valdes 121 Senior Hall 359-6772 Patricia.Valdes@mail.ewu.edu
Urban and Regional Planning	MURP	None	Two recommendations; personal letter of intent; June 1 deadline for fall; contact department for further information	Gabor Zovanyi 668 N. Riverpoint #237 358-2228 gzovanyi@mail.ewu.edu
CERTIFICATE PROGRAMS			Separate application is required for all students	
Health Service Administration		None	Quarterly admittance; check with program director for further information	Mary Ann Keogh-Hoss 3 Riverpoint 358-2263 Mary.KeoghHoss@mail.ewu.edu
Public Management Development		None	Quarterly admittance; check with program director for further information	Larry Luton 668 N. Riverpoint #324 358-2230 Larry.Luton@mail.ewu.edu
School Psychology		Post-master's in appropriate discipline only	February 1 for summer cohort, letters of reference, application can be made through either EWU or WSU; check with program advisor for further information	Jamie Seaburg 151 Martin Hall 358-7690 jamie.seaburg@mail.ewu.edu
Teaching of Literature		None	Quarterly admittance; check with program advisor for further information	Christina Valeo 250 Patterson Hall 359-6036 Christine.Valeo@mail.ewu.edu
Teaching of Writing		None	Quarterly admittance, check with program advisor for further information	Dana Elder 250 Patterson Hall 359-2400 Dana.Elder@mail.ewu.edu

GRADUATE STUDIES ACADEMIC POLICIES

Listed in alphabetical order. For a summary of graduate student responsibilities relative to these policies, see the Graduate Student Guide at the end of this section of the catalog or on the Web at www.ewu.edu/grad and click on “current students”.

Academic Standards

- At least one-half of the total credits for a graduate degree must be at the 500 level or above. Note: Interdisciplinary degrees (as described separately in this catalog) may include no more than 12 quarter credits of undergraduate course work.
- Distance-delivered courses numbered 400 or above offered by accredited institutions as graded courses and part of a graduate program of study may be included in a graduate degree program at Eastern at the discretion of the program/department.
- No 300-level courses are allowed in a graduate degree program without prior permission from the dean of Graduate Studies. Only one approved 300-level course of up to 5 quarter credits is allowed in any graduate program.
- No program requirements can be satisfied with a course grade below a 2.0.
- Only two courses in a student’s degree program may be below a 2.5; repeats do not change this rule.
- Pass/No Credit courses may count in a graduate degree program, but a student must complete 36 credits of graded work. Upper division undergraduate courses (300–400) with pass/no credit grades cannot be included as part of the graduate program.
 - Pass/No Credit grades are utilized only in designated graduate level courses. (Graduate courses may not be taken for Pass/No Credit unless the course has been so designated by departments.)
 - Students with more than two no credit (NC) grades in their program will have their record reviewed by the program advisor with possible dismissal as a consequence.
- Proof of competency in research is required of all graduate degree candidates.
- Senior students with exceptional ability and appropriate background may enroll in 500-level courses only with prior written permission of the department chair and the dean of Graduate Studies.
- Three-fourths of the minimum credits required for the specific degree program must be earned in approved courses offered by EWU. The remaining credits may consist of approved credits from other accredited institutions.

Appeals

Occasionally, a student may wish to appeal one of Eastern’s graduate policies. Student appeals of graduate policies and procedures should be addressed to the dean of Graduate Studies. These appeals should be made in writing, initiated by the student and endorsed by the appropriate graduate program advisor or director. The appeal document must contain adequate justification demonstrating that the student possesses sufficient outstanding qualities to balance identified weaknesses. Note: Appeals of the policy on Previous Graduate Credit found on the next page are heard by an Academic Appeals Board.

Course Level Policies

Upper Division

400–499

primarily for seniors; graduate students may count a limited number of credits from graded courses, only with program approval

Graduate Division

500–599

graduate level; senior undergraduates may enroll only with permission of both department chair and Graduate Dean

600–699

graduate level only

700–799

doctoral level only

At all levels, course numbers ending in 95 through 99 indicate special courses, with the particular subject matter varying from quarter to quarter:

95

internships

96

experimental

97

workshops, short courses, conferences (Workshop credit cannot be used to fulfill degree requirements.)

98

seminars

99

independent and directed study

All departments may offer these types of courses, but not all may be listed in this catalog; check with individual department offices for the most current information on course availability.

Course Loads

Twelve credits per academic quarter is considered a standard course load for graduate students. The course load may not exceed 16 credits in any one quarter without the approval of the student’s advisor and the appropriate dean. Students receiving a Graduate Service Appointment must have the approval of the dean of Graduate Studies to enroll for more than 16 credits.

Course Repeat

Courses may be repeated for graduate credit. However, as stated above under Academic Standards, only two courses in a student’s degree program may be below a 2.5; repeats do not change this rule. Also see the Probation Policy below and the general information on the Grading System in the policy section in the back of the catalog.

Degree Completion and Use of University Resources

After being admitted to a graduate program a student has six calendar years in which to complete a graduate degree program, beginning with the quarter the student is admitted, subject to the following exceptions:

- This policy may not be construed to change the six-year limit between commencement of study toward the degree and completion of the degree program. (The six-year limit begins with the date of the first course used toward degree requirements including any pre-admission credits.)
- Admitted students who fail to complete the degree within the six-year period will be dropped from the program and must re-apply for admission to the degree program with evaluation of all credits taken to date and pay the application fee.
- Students who are using university resources during the six-year period, including faculty consultation, laboratories, library resources, scheduling and completing final examinations, etc., must register for a minimum of two credits. In the quarter of defense, the student must be enrolled for a minimum of two credits. (Summer session only permits one credit registration.)

Enrollment Policies for Graduate Students

Graduate students may register only after being recommended for admission. Any student who attends classes but fails to register for those classes through the Records and Registration Office will not receive credit for those classes. Students who register after the registration period will be assessed a late registration fee per course. The instructor’s permission is required for late registration. An advisor’s signature is required prior to registration for all new entering students, returning students on academic dismissal, those on probation and any student with an overload of credits.

Failure to attend the first class meeting may result in loss of registration in that course section. Failure to complete all prerequisite requirements prior to registering may result in loss of registration.

Please refer to the quarterly course announcement booklet for further information on registration procedures such as how to drop, add and withdraw.

Graduate Degree Candidacy

Advancement to Graduate Degree Candidacy means that the department is encouraging the student to complete his or her degree. The student's program is planned at this time and the student is assured protection against subsequent program changes.

Advancement to Graduate Degree Candidacy requires the following steps:

- Completion of at least 15 graded credits in a degree program.
- Maintenance of at least a 3.0 cumulative GPA in all courses since admission to graduate studies.
- Submission of the Application for Degree Candidacy form to the Graduate Studies Office, specifying a degree study program approved by the major department. At the student's option, the program may be based on either current catalog requirements or the catalog in effect at the time of admission. The form must be submitted before the student has completed one-half the minimum credits unless program requirements allow submission after the mid-point of the student's program. All applications for graduate degree candidacy must be submitted no later than the second Friday of the quarter before anticipated graduation unless special permission is granted by the dean of Graduate Studies.
- Completion of any specific departmental requirements.
- Approval of the dean of Graduate Studies or the dean's designee.

Graduate Degree Committees and Final Comprehensive Exams

After a student has advanced to degree candidacy, a committee is appointed to arrange, conduct and appraise the comprehensive examination. Satisfactory completion of the comprehensive exam is required to graduate.

Graduate degree committees are normally comprised of three members, one acting as the chair. The chair of the graduate committee is a faculty member from the student's specialization. Another member is chosen to represent the broader academic aspects of the candidate's program. The third member is a representative of the Graduate Affairs Council, which governs graduate policies and programs. The council representative is selected from a department outside the student's primary academic area and is appointed to the committee by the dean of Graduate Studies (see the Approved Departmental Comprehensive Exams Third Member Policy that follows this section of the catalog). When necessary to represent all the areas of a student's preparation, the dean may authorize additional members.

After the committee is confirmed, the candidate and faculty members are officially notified of the committee membership by the Graduate Studies Office. The candidate must confer with his or her chair regarding the date of the comprehensive examination. It may be scheduled any time after submission to the Graduate Studies Office of the Terminal Research Approval Form. This form is signed by the student's chair and internal member to indicate their approval for the examination to be held. The Graduate Studies Office must be notified of the scheduled examination at least 10 working days prior to the examination date. Except in the case of a written examination, all comprehensive exams are open to the public and must be announced to the student's academic unit(s) at least one week prior to the exam.

The examination is conducted by the chair of the committee and questions are based upon the candidate's research and/or areas of study. The examination is approximately two hours. Only the committee members determine, by majority vote, whether the candidate is successful, unsuccessful, or not yet qualified. The official report of the committee's decision must be returned to the Graduate Studies Office for inclusion in the student's permanent records and to use for degree checkout.

Note: A comprehensive examination cannot be scheduled for any student who has an X grade in any course in his/her degree program, current course work excepted. Student and faculty signatures on the Terminal Research Approval Form are verification that there are no X grades. Students who successfully complete their comprehensive examinations must meet any outstanding degree requirements within one quarter of their exams or be assessed a late completion

fee equal to the cost of one-half of one resident graduate credit for purposes of degree checkout and degree posting. Post-examination internships required for degree completion are excluded. If the student does not complete by the end of one quarter, the late completion fee will be assessed for each quarter the course work is incomplete.

Graduation Application

Application for completion of the graduate degree must be filed with the Graduate Studies Office no later than the second Friday of the quarter prior to expected graduation. Early application is encouraged. A diploma fee is required. Fees change annually; check with the Graduate Studies Office. Late applications are subject to a fee. Applications received after the deadline may delay posting of the degree on official University transcripts and mailing of the diploma.

Note: Only students who have completed all degree requirements during the current academic year, or who have applied to graduate by the deadline for summer of the current academic year will be included in the Commencement Program.

Graduation Grade Point Average

The graduation GPA includes credits and grade points earned at Eastern and transfer credits and grade points accepted by Eastern. This grade point is used for determining graduation eligibility. The transfer GPA does not appear on an EWU transcript. University academic honors (cum laude, magna cum laude, summa cum laude) are not awarded to graduate students based on GPA.

Multiple Graduate Degrees and Programs

Students who have finished one graduate degree may be awarded another graduate degree when they have finished the requirements for the second degree as set forth in the graduate catalog. Students may also pursue and be enrolled in two programs simultaneously.

Students must meet all the requirements of the second degree, including course work, tests, thesis, foreign language, experience, age of credits, departmental recommendations and other requirements as specified. Students may apply a maximum of 12 department/program credits from one graduate degree or degree program to a second or additional graduate degree. (This does not apply to dual degree programs.)

Previous Graduate Credit

Students may include a maximum of 12 quarter credits in a graduate degree program that were completed before admission to Graduate Studies. These credits must be from an accredited university, be approved by the department for inclusion in a degree program, no more than six years old at the time of program completion, and cannot be part of an undergraduate degree. Any exception to the allowance of 12 pre-admission credits must be approved by the Academic Appeals Board. Appeals are made in writing by the student and must be accompanied by the written support of a program advisor or director. These appeals are submitted to the board through the Graduate Studies Office.

Probation Policy

- Graduate students must maintain a 3.0 GPA in all courses taken since admission to Graduate Studies at EWU.
- Students are notified by letter if they have fallen below the 3.0 minimum.
- One quarter is allowed to restore the cumulative GPA to the minimum 3.0.
- Faculty of the department offering the degree may extend the probationary period by one quarter, when warranted by special circumstances.
- Students on probation may not be advanced to candidacy or schedule their comprehensive exams.
- Students unable to restore their cumulative GPAs to 3.0 or above in the additional quarter of probation shall be terminated from the program.
- Individual departments/programs may have requirements that are more restrictive. Such requirements supersede those stated here.
- Students who have been academically dismissed from a graduate program may reapply for admission. In addition to the application for readmission to graduate studies and meeting all admission requirements specified by

the program, applicants who have been dismissed must also submit a written petition to the program stating their readiness to pursue the degree and addressing the circumstances that led to dismissal. Applicants who are then readmitted will be allowed to register for one term only. At the end of the initial term, continuation is contingent upon recommendation from the program and the approval of the Dean of Graduate Studies. Students who have been readmitted will have up to two quarters to return to good academic standing with a cumulative graduate GPA of at least 3.0. Extensions of probationary status may be approved on the written recommendation of the program and with the approval of the Dean of Graduate Studies. Students who are not recommended for continuation are not eligible for one year to reapply for admission to graduate studies.

Residency Requirement (at EWU)

Three-fourths of the minimum credits required for the specific degree program must be earned in approved courses offered by EWU. The remaining credits may consist of approved credits from other accredited institutions. (For information about establishing residency in Washington for tuition purposes, see the policy section of this catalog for state of Washington residency.)

Thesis, Research Report or other Terminal Document Requirements

Completion of a thesis or research report is required by most graduate programs. Research reports are submitted to the department in whatever form, style and number the department requires. Instructions on form and style requirements for a master's thesis are available from the Graduate Studies Office and from our website at www.ewu.edu/grad.

When a student is submitting a thesis, research report or other terminal document, either the document or an abstract must be provided to committee members at least two weeks in advance of the final comprehensive examination. Any required changes are to be completed for final approval by the committee within 10 working days of the examination, or the end of the quarter, whichever comes first.

Four approved copies of the thesis must be presented to the Graduate Studies Office within 10 working days of the oral examination, or by the end of the quarter, whichever comes first. By that time, a \$50 binding fee must be paid. Three copies of the bound thesis are retained by the University, one is returned to the student after binding.

Note: The University has policies and procedures in place to ensure that individuals conducting research, including graduate students, comply with applicable federal and state regulations governing the use of human subjects, the care and use of animals, significant financial interest disclosure, scientific misconduct, intellectual property and copyrights. If the student's research is affected by any of the above, he or she may be required to obtain university approval prior to initiating the research. Further information and application materials are available from the Office of Grants and Research Development, 210 Showalter Hall. Also see the "Regulations for Research" section of this catalog.

"Y" grades for Thesis, Research Report and other courses requiring more than a single quarter to complete

Students are expected to enroll for an appropriate number of research credits each quarter they use university resources such as faculty time, laboratories and the library. The "Y" grade may be used to defer assigning of a grade until the project is completed. The "Y" grade is not to be used in lieu of an incomplete. A specified maximum number of "Y" graded credits are allowed by each program.

"Y" Grade Maximums

Art	600, 601, 696	15 credits
Biology	30 credit maximum for any course for which a "Y" grade is assigned.	
Business	12 credit maximum in any course for which a "Y" grade is assigned.	
College Instruction	696	15 credits
	600	9 credits
	601	6 credits

Communication Disorders	600, 601	10 credits
Communication Studies	600, 601	6 credits
Computer Science	600, 601	15 credits
Counseling, Educational and Developmental Psychology	12 credit maximum for any course for which a "Y" grade is assigned.	
Creative Writing	600	12 credits
Education	563, 587, 588, 589	4 credits
	600, 601	6 credits
	695	25 credits
English	14 credit maximum for any course for which a "Y" grade is assigned.	
Engineering and Design	5 credit maximum in any course for which a "Y" grade is assigned.	
History	600, 601	15 credits
Mathematics	600, 601	12 credits
Modern Languages (French)	600, 601	15 credits
Music	10 credit maximum for any course for which a "Y" grade is assigned.	
Physical Education	9 credit maximum for any course for which a "Y" grade is assigned.	
Psychology	9 credit maximum for any course for which a "Y" grade is assigned.	
Public Administration	600	8 credits
	601	4 credits
Social Work	Maximum is the number of credits for the course. Students cannot re-register for a course in which a "Y" grade is received.	
Urban and Regional Planning	601, 695	10 credits

Approved Departmental Comprehensive Exams Third Member Policy

Biology

Two or three departmental members and an outside member selected by the Graduate Studies Office for the oral comprehensive exam.

Business Administration

Elective option - portfolio presentation. The third member is selected by the Graduate Studies Office and the times are arranged by the MBA committee chair.

Research report/thesis option. The third member for the oral comprehensive exam is selected by the Graduate Studies Office.

College Instruction

Third member for the oral comprehensive exam is selected by the Graduate Studies Office.

Communication Disorders

Third member for the oral comprehensive exam is selected by the Graduate Studies Office.

Communications

Third member for the oral comprehensive exam is selected by the Graduate Studies Office. Orals will not be held during vacations or summer quarter without prior approval from the student's committee.

Computer Science

Third member for the oral comprehensive exam may be chosen by the Computer Science Department or by the Graduate Studies Office. Students must be registered the quarter they take their final oral exams. If the department selects the third member, notification of the third member should be made at the beginning of the quarter prior to the comprehensive exam (preferably at the time of candidacy).

Counseling, Educational and Developmental Psychology

Written comprehensive examination for Mental Health Counseling and School Counseling reviewed by the dean of Graduate Studies, and a portfolio presentation to an advisory board and a graduate faculty member selected by the Graduate Studies Office, conducted early in spring quarter of final year. All School Psychology Program candidates will complete a two-phase program exit process: (a) Thesis/Research Project Defense and (b) Defense of Program. The Thesis/Research Project Defense is expected to occur prior to the internship experience, typically by spring quarter of the second year of enrollment. The Defense of Program is expected to occur in the final quarter of the candidate's enrollment in the program, typically spring quarter of the third year.

Oral comprehensive examination for special education. Third member may be selected by the student or by the Graduate Studies Office. Students who select their third members must provide the Graduate Studies Office with the third members names at the beginning of the quarter prior to the quarter in which their exams are conducted (preferably at the time of candidacy).

Education

Third member for the oral comprehensive exam may be selected by the student. Students who are unable to select their third members must notify the Graduate Studies Office at least one quarter in advance of the comprehensive exam (preferably at the time of candidacy). The Graduate Studies Office is then responsible for selecting the third member.

English

Third member for the oral comprehensive exam is selected by the Graduate Studies Office.

History

Third member for the oral comprehensive exam is selected by the Graduate Studies Office.

Interdisciplinary

Third member for the oral comprehensive exam is selected by the Graduate Studies Office.

Mathematics

Third member for the oral comprehensive exam is selected by the Graduate Studies Office.

Music

Third member for the oral comprehensive exam is selected by the Graduate Studies Office.

Nursing

Third member for the oral comprehensive exam is selected by the Graduate Studies Office.

Occupational Therapy

The final comprehensive examination must be successfully completed before enrollment in OCH 695 Fieldwork that begins in the final year of the program. Third member for the oral comprehensive exam is selected by the Graduate Studies Office.

Physical Education

Third member for the oral comprehensive exam is selected by the student. Students who are unable to select their third members must notify the Graduate Studies Office at least one quarter in advance of their comprehensive exams (preferably at the time of candidacy). The Graduate Studies Office is then responsible for selecting the third member.

Physical Therapy

Written comprehensive examination with review by the dean of Graduate Studies, in final quarter of didactic work, prior to commencing full-time clinical internships. At least one graduate faculty member selected by the Graduate Studies Office will attend the annual research project presentations.

Psychology

For School Psychology, see the information in Counseling, Educational and Developmental Psychology. For all other psychology students the third member for the oral comprehensive examination is selected by the Graduate Studies Office. Orals will not be held during breaks or summer quarter.

Public Administration

Third member for the oral comprehensive exam is selected by the Graduate Studies Office.

Social Work

Third member for the oral comprehensive exam may be selected by the student or by the Graduate Studies Office. Students who select their third members must provide the Graduate Studies Office with their third members name at the beginning of the quarter prior to the quarter in which their exams are conducted (preferably at the time of candidacy).

Urban Planning

Third member for the oral comprehensive exam may be selected by the student or by the Graduate Studies Office. Students must be registered the quarter they take their comprehensive exam orals. Students who select their third members must provide the Graduate Studies Office with the third members name at the beginning of the quarter prior to the quarter in which their exams are conducted (preferably at the time of candidacy).

EWU GRADUATE STUDENT SUMMARY GUIDE TO POLICIES AND PROCEDURESAll required forms and guidelines can be found at www.ewu.edu/grad

Procedures	Action	Deadline	Explanation	Consequences/Information
Apply for candidacy and select graduate faculty committee members.*	Student approaches advisor to formalize graduate program plan, discuss second committee member, and determine if Institutional Review Board forms (IRB) must be filed. Program approval for candidacy form indicated by signatures from student, two program graduate faculty, and program director. Form then submitted to Graduate Studies Office for review.	After completion of 15 graduate credits and before completing one-half the minimum credits in degree program. In all cases application must be submitted by the second Friday of the quarter prior to intended graduation.	Supports timely progress to degree completion; protects students from degree requirement changes and begins IRB review, if needed. Approved candidacy applications acknowledged by letter from graduate dean or dean's designee.	Inaccurate or incomplete candidacy application delays advancement. Late submission requires a written appeal to dean of Graduate Studies and possible delay in graduation. Lack of IRB can invalidate research.
Submit Graduation Application and Fee	Return completed application to Graduate Studies Office, 206 Showalter, with fee.	Second Friday of the quarter prior to intended graduation (earlier is recommended.)	Allows for timely review of student's program prior to graduation.	Late submission delays graduation until next quarter, and incurs a late fee.
Register in final quarter of program for at least 2 credits (one credit minimum summer term only)	Consult with advisor or graduate program director about remaining requirements.	Quarter of program completion.	Meets state requirement of registration for students using university resources.	Only currently registered students are eligible to complete a graduate program.
Select outside member for comprehensive examination.*	Review Approved Third Member policy in catalog; Graduate Studies Office selects from approved graduate faculty unless otherwise specified by department policy.	Graduate Studies Office notifies student near the beginning of the quarter of intended graduation (the quarter entered on the candidacy) unless student has already identified a member of the graduate faculty as the third.	Provides rigor, procedural guidance, and helps ensure examination is comprehensive.	Late candidacy application delays selection of outside member required for comprehensive exam to be held.
Submit Terminal Research Approval Form.	Committee chair and second committee member sign form and submit to Graduate Studies Office.	Must be received in Graduate Studies Office at least two weeks prior to the exam, earlier is recommended. Exam schedule may be submitted on this form.	Indicates committee approval to proceed with comprehensive examination based on review of drafts.	Comprehensive examination cannot be scheduled without receipt of form in Graduate Studies Office, or if any "X" grades are on student record for prior terms.
Schedule comprehensive examination	Student arranges date, time and location agreed to by all committee members and then notifies Graduate Studies Office.	Graduate Studies Office must be notified two weeks prior to scheduled date and after receipt of Terminal Research Approval Form.	Allows time for notice and comprehensive exam report form to be sent to committee members.	Failure to schedule may lead to cancellation or invalidation of examination.
Provide approved Thesis, Research Report, or other terminal document draft	Student provides a copy to all comprehensive examination committee members.	Two weeks prior to examination each committee member must have a copy of the document.	Allows faculty sufficient time to review document and prepare for comprehensive examination.	Comprehensive examination could be canceled if documents not provided by deadline.
Complete Comprehensive Examination	Committee Chair or other designated participant in exam submits form to Graduate Studies Office.	Original comprehensive exam report form due in Graduate Studies office immediately following exam.	Verifies examination results; becomes part of permanent student record.	Lack of original form will delay program and degree completion.
Thesis students only -- Submit 4 copies on 100% cotton bond paper and \$50 thesis binding fee	Graduate Studies Office must receive final copies with chair and internal committee member signatures on thesis signature page.	Ten working days after comprehensive examination and thesis defense or by the last day of the quarter, whichever comes first.	To meet form and style standards, for binding, and distribution to student, department, and EWU Library.	Possible delay in graduation to following quarter, delay in binding of thesis.
Attend Commencement	Verify completion of application for graduation; order cap, gown, and hood at least four weeks prior to graduation from EWU bookstore.	All participants in June Commencement must meet posted spring graduation application deadline to be included in bulletin.	Fall, winter, spring, and summer graduates may participate; publication of commencement bulletin requires timely application.	Participation encouraged; one ceremony and one bulletin published annually.

* Contact program advisor about any changes to candidacy or committee.

ACCOUNTING

See BUSINESS ADMINISTRATION.

AFRICANA EDUCATION PROGRAM

School of Social Work
Nancy Nelson, Program Director
204 Monroe Hall
(509) 359-2205

LaMar Jackson, Advisor/Recruiter

Minor

Faculty: S. Finnie, N. Nelson

UNDERGRADUATE PROGRAM

The primary mission of the Africana Education Program is to develop and teach classes in Africana Studies, administer recruiting, support and retention services, conduct research into the African American experience and maintain relationships within a multitude of communities throughout the inland northwest. All courses, services and events provided by the program are open to all students at EWU.

Africana Studies courses are designed to provide understanding and appreciation of the universal African American experience both as it has unfolded over time and as it is currently manifested. The Program uses the Afrocentric world view as the philosophical basis for the presentation of its courses. Africana Education Program cross-lists with some courses offered through other EWU colleges.

Support Services for Africana Education Program: The Africana Education Program provides academic and non-academic support services for students. These include academic advising, peer mentoring, assistance with locating tutoring services, scholarships and scholarship information. The Africana Education Program assists students, faculty and staff in understanding African American culture and issues. The Program sponsors speakers and events and recognizes national African American holidays. It also serves as a link with the Spokane/Cheney African American community.

Required courses in the following program of study may have prerequisites. Reference the course description section for clarification.

Africana Studies Minor (20 credits)

The program offers a minor in Africana Studies. Students will gain an understanding of the African American experience from ancient Africa to present-day America. Africana Studies can benefit graduates planning careers in professions where multicultural public contact is extensive, such as education, counseling, social services, medicine, government and many other fields that require a diverse understanding. Students considering this minor should contact the director of Africana Studies.

Total credits for above minor

20 credits

Africana Studies Courses

Terms offered. If no terms are indicated, check with department or quarterly course announcement.

AAST 214

Introduction to African American Culture (5)

FALL/WINTER/SPRING

[satisfies cultural and gender diversity university graduation requirement.]

An interdisciplinary survey of African American culture beginning with ancient African history and traditions through contemporary issues in the African American experience. Attention given to basic principles of history, sociology, political science, economics and the arts in the study of the dynamics of the African American culture. (Cross-listed HUMN 214)

AAST 215

Early African American History (5)

[satisfies cultural and gender diversity university graduation requirement.]

Prerequisite: ENGL 100.

Examines the African American experience from African civilizations in the fourth century AD through slavery to the end of the Reconstruction era in the United States. (Cross-listed HIST 215)

AAST 216

20th Century African American History (5)

[satisfies cultural and gender diversity university graduation requirement.]

Prerequisite: ENGL 100.

The study of the history of African Americans from the end of the Reconstruction period to the present. (Cross-listed HIST 216)

AAST 222

African American Economics (5)

Focuses on the economic conditions of African Americans, presenting an analysis of economic problems confronting them and institutional aspects of those problems.

AAST 299

Special Studies (1-5)

Studies vary according to faculty and student interest.

AAST 301

Harlem Renaissance (5)

FALL

A selective and objective study of the cultural, ideological and political contributions of African Americans in Harlem during the period 1918-1929.

AAST 310

Survey of African American Education (5)

An overview of the development and nature of education for African Americans. Particular attention is given to the role of the private and public agencies in the evolution of African American education. Emphasizes instructional strategies and curriculum designs suitable for teaching the African experience.

AAST 311

African and African American Art History (5)

[satisfies cultural and gender diversity university graduation requirement.]

Prerequisite: ENGL 100.

Surveys visual arts from prehistoric Africa to the modern African American artist. (Cross-listed ART 311, HUMN 311)

AAST 315

African History (5)

WINTER/SPRING

[satisfies international studies university graduation requirement.]

A survey of African history from prehistory to the present. Emphasizes earlier African civilizations, extensive contact with the outside world and the formation of African nations. (Cross-listed HIST 315)

AAST 320

African American Family (5)

WINTER

The African American Family as a social system influenced by institutions of the larger American society. (Cross-listed SOCI 371)

AAST 321

African American Political Awareness (5)

Issues of African American political power and awareness as they relate to several studies of macro and micro institutional racism with alternatives for racial change.

AAST 331

History and Dynamics of US Slavery (2)

This class involves a brief examination of North American slavery, its background, its dynamics and its legacy. Special attention will be given to issues regarding US race relations today.

AAST 350

The Literature of the Harlem Renaissance (5)

Prerequisite: ENGL 101.

This course introduces the cultural, historical and literary dynamics of the Harlem Renaissance — a period in America covering 1900 to the mid-1930s, in which African American aesthetic expression exploded. Students will observe, interpret and apply their understanding of the literature and authors in order to establish a context for the significance of this movement. A willingness to learn and the ability to transform cognitive dissonance will yield the most fruitful gains for students.

AAST 371**Cultural Study: African American Women and Hair (2)**

Prerequisite: English 201 or permission of the instructor.

This course covers the history of African American women's hair. Students will learn how different hairstyles and treatments document a journey of cultural and self-rejuvenation plagued by conflict and accusations. The course will also examine the relationship between hairstyles and racial identity. (Cross-listed WMST 371)

AAST 375**African American Cinema (5)**

African American cinema explores the history of African Americans in films, focusing particularly on Hollywood's representations of Blacks in feature-length films. The course examines such issues as the representations of race, gender and sexuality through observing and discussing feature films in class. Emphasis is placed on critical viewing, thinking, analyzing and writing about films. The course not only investigates Hollywood's representations of African Americans but also examines the struggle and emergence of independent, African American-produced films, which offer a separate and unique voice that not only challenges Hollywood's representations but also expresses themes involving cultural identity.

AAST 379**American Literature of Ethnic Minorities (5)**

[satisfies cultural and gender diversity university graduation requirement.]

Any one of several major areas of ethnicity may be focused on: Native American, Asian American, Latin American/Chicano and African American. Specialized subtopics within these general areas may also be the subject of this course in different offerings. Different subject matter will be indicated by words added to the title in the quarterly course announcement. Course may be taken more than once with different subject matter (Cross-listed HUMN 379, ENGL 379)

AAST 381**Contemporary African American Literature (5)**

Major African American literature of the 20th century: fiction, poetry, essay, autobiography and drama. (Cross-listed ENGL 381)

AAST 395**African American Education Internship (1-5)**

FALL/WINTER/SPRING

Internships vary according to program and student interest.

AAST 399**Special Studies (1-5)**

FALL/WINTER/SPRING

Prerequisite: Sophomore standing.

Studies vary according to faculty and student interest.

AAST 424**Economics of Poverty and Discrimination (5)**

[satisfies cultural and gender diversity university graduation requirement.]

Prerequisite: Junior standing.

Causes of poverty and evaluation of anti-poverty programs. Examines economic theories of discrimination from different perspectives with a particular focus on issues of gender and race. (Cross-listed ECON 424, WMST 426)

AAST 430**From Mammies to Jemimas: The Black Women's Struggle (5)**

Prerequisite: English 201 or permission of the instructor.

The unique struggle of black women in America begins in the time of slavery from which we still feel the impacts today. Although the feminist movement has made many strides for women in America, the black woman is subjected to a special set of obstacles and circumstances. This course examines historical writings written by and about black women. The course will discuss slavery, lynching, combating prejudices and encouraging racial pride to give course participants a framework that will deepen their understanding of black women and their writing. (Cross-listed WMST 430)

AAST 435**Negro Spirituals: Cultural Impact (1)**

This course offers an immersion in the music and culture of enslaved Africans to understand how and why the music developed. The purpose of the music then and now is examined as well as its impact on modern music.

AAST 481**Dr. King and Malcolm X: A Comparison (2)**

This class involves a brief examination into the backgrounds, lives and careers of Dr. King and Malcolm X. Comparison and contrast will be employed to gain a deeper insight into the ideology and effectiveness of each leader with regard to the civil rights movement.

AAST 496**Experimental Courses (1-15)****AAST 497****Africana Studies Workshop (1-5)**

Workshops are held to examine issues in this area.

AAST 498**Seminar (1-5)****AAST 499****Directed Study (1-5)**

Prerequisite: Senior or graduate standing.

Directed study and research projects vary according to faculty and student interest.

AGING STUDIES

School of Social Work
Maria C. Hernandez-Peck, Director
 Center for Studies in Aging
 120 Showalter Hall
 (509) 359-6479

Minor

Faculty: K. Carlberg, M. Clute, P. Elkind, M. Hernandez-Peck,
 N. Jackson, K. Pitts, G. Hicks, P. Sloane

UNDERGRADUATE PROGRAM

The Center for Studies in Aging, administratively located within the School of Social Work and Human Services, serves as the coordinating entity for the University's multidisciplinary aging studies minor. This program draws upon the University's existing resources in such fields as social work, sociology, biology, psychology, nursing, nutrition and dietetics, health sciences, recreation and leisure services, physical education, economics and various ethnic studies programs. The program is designed to prepare students for careers in the development, management and provision of services to older persons. Such careers include: management of public and private agencies serving older persons, administration of residential care facilities for the elderly and the management and direction of social, leisure and health services to older persons.

Required courses in the following program of study may have prerequisites. Reference the course description section for clarification.

Aging Studies (Interdisciplinary) Minor (20–30 credits)

Required Courses

AGST 310 Multidisciplinary Studies in Aging (5)
 AGST 410 Minority Perspectives in Aging (3)
Select two of the following courses: 6–8 credits
 BIOL 343 Biology of Aging (3)
 ECON 498 Economics of Aging (3)
 PSYC 432 Clinical Psychology of Adult Life and Aging (4)
 SOWK 455 Social Policy and Programs in Aging (3)
 SOCI 484 Sociology of Aging (5)

Electives

Select from the following list of courses or select courses from the above list not already taken:

SOWK 456 The Older Woman (3)
 SOWK 457 Clinical Assessment in Aging (3)
 SOWK 458 Perspectives on Death and Dying (3)
 Field practicum: 5 credits minimum may apply

Required program credits

14–16 credits

Elective credits

6–9 credits

(Minimum if practicum required)

11–14 credits

Minimum total credits for above minor

20 credits

Minimum total credits for above minor

20 credits

(with practicum)

25 credits

(A field practicum of 5 credits is required of those students not having completed a practicum in aging in their major.)

Note: Students in the physical sciences will be required to take courses in the social sciences, and students in the social sciences will be required to take courses in the physical sciences.

Note: The Council on Social Work Education does not accredit minors.

See course descriptions listed under the participating programs and departments: Biology, Economics, Psychology, Social Work and Sociology.

Aging Studies Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

AGST 310

Multidisciplinary Studies in Aging (5)

FALL

Required of all students in the minor, this course draws upon a number of disciplines and fields (primarily biology, psychology, social work, sociology, economics, nutrition and dietetics, and ethnic perspectives) to provide a balanced view of both normal and problem aspects of aging. Presents theoretical issues and aspects of aging as well as programs, services and issues involved in working with older persons.

AGST 410

Minority Perspectives in Aging (3)

SPRING

Prerequisite: AGST 310 or special permission of the instructor.

Required of all students in the minor, this course is oriented toward a critical examination of the variations in aging experiences of minority elderly in the United States. Its focus is on the most salient themes, orientations and dimensions of the problems and processes of aging in the broader cultural tradition within each ethnic minority group. Particular attention paid to biological, material and historical bases of such dimensions, regional variations among populations and the effects of such past events as conquest and colonialism.

AGST 455

Social Policy and Programs in Aging (3)

Prerequisite: AGST 310 or permission of the instructor.

Social welfare policies and programs serving the aging are examined, past and present, in terms of their overall impact on the aged and on society at large. The needs and gaps in services to the aged are evaluated, as well as the adequacy with which these services are delivered, and the response of programs and services to the changing needs of the aged.

(Cross-listed SOWK 455)

AGST 456

The Older Woman (3)

Prerequisite: AGST 310 or permission of the instructor.

Older women's needs, problems and potential for change are considered. The social, economic and health problems confronting older women are also examined and policy and program alternatives to improve their lives will be explored.

(Cross-listed SOWK 456)

AGST 457

Clinical Assessment in Aging (3)

Prerequisite: AGST 310 and/or permission of the instructor.

An introduction to the assessment skills required for professional social work practice in mental health and other clinical settings dealing with the elderly. The course is intended for social work practitioners and graduate students. Others may be considered for admission on an individual basis with instructor's permission. (Cross-listed SOWK 457)

AGST 458

Perspectives on Death and Dying (3)

Prerequisite: AGST 310 or permission of the instructor.

This course is designed to assist students in the helping professions who wish to work with the terminally ill. Focus will be on an increased ability to deal with one's own mortality, the development of beginning skills for working with the terminally ill and their families, an understanding of the complex social system which surrounds death in modern America as well as the current moral, ethical and philosophical issues in the field. (Cross-listed SOWK 458)

ALCOHOL/DRUG STUDIES

School of Social Work
Irene Bittrick, Director
121 Senior Hall
(509) 359-7882

Minor

Faculty: I. Bittrick, B. Camp, G. Creasman

Alcohol/Drug Studies has primarily an adjunct faculty most of who are agency directors and practitioners in the field.

UNDERGRADUATE PROGRAM

The Alcohol/Drug Studies Program (ADST) is a multidisciplinary program that provides university-level education valuable for students in all disciplines, particularly those students interested in alcohol/drug prevention and treatment and careers in health, business and industry, criminal justice and human services.

Drawing upon history, sociology, chemistry, biology, social work, criminal justice and psychology, the Alcohol/Drug Studies Program incorporates this knowledge into a distinct field. ADST enhances effectiveness in all personal and career endeavors, especially those that center on working with people. Employers are especially eager to hire those who have, with the study of alcohol/drug, augmented their expertise in psychology, social work, sociology, biology, chemistry, education, health administration and criminal justice.

ADST course work contributes to four principal educational objectives:

- Elective course work to enhance majors in all disciplines: Providing fundamental knowledge to support effectiveness in identifying and addressing the impact of alcohol and drug misuse, both personally and professionally.
- Completion of the 'Foundations Certificate Program' will strengthen majors in health, social work, psychology, education and other human-service-oriented occupations. The students will receive a certificate from the ADST office upon completion of the requirements.
- Completion of the minor program begins to prepare students for work in both the prevention and counseling arenas. It also enhances majors

in community health, social work, nursing, criminal justice, psychology, education and other human-service-oriented fields.

- Completion of all classes required by the state of Washington to become certified as a chemical dependency counselor. These students will also receive a minor in alcohol/drug studies.

General Admissions Requirements for Alcohol/Drug Studies: For admission into the program students are required to meet with the director of Alcohol/Drug Studies following the completion of ADST 300. Transfer students will need to see the director of the Alcohol/Drug Studies Program.

Required courses in the following program of study may have prerequisites. Reference the course description section for clarification.

Alcohol/Drug Counseling and Prevention Minor (32 credits)

The minor is designed especially to help prepare drug and alcohol treatment counselors or prevention specialists.

Required Courses

- ADST 300 Survey of Alcoholism/Drug Problems (4)
- ADST 301 Alcohol/Drugs Physiology and Pharmacology (4)
- ADST 302 Alcohol/Drug Counseling Techniques (3)
- ADST 303 Counseling in the Age of AIDS and Selected Pathogens (2)
- ADST 410 Community Prevention Methods (4)
- ADST 420 Alcohol/Drug Case Management (4)
- ADST 430 Alcohol/Drug Family Counseling (3)
- ADST 440 Alcohol/Drug Group Counseling (3)

Practicum

- ADST 395 Alcohol/Drug Practicum I (Var)
- ADST 495 Alcohol/Drug Practicum II (Var)

Required program credits

26 credits

Practicum credits

6 credits

Total credits for above minor

32 credits

Suicide Risk Assessment, Treatment and Prevention Certificate

This Certificate Program in Suicide Risk Assessment, Treatment and Prevention has been adapted to meet the needs of persons who intend to work in the fields of behavioral health, human services and health care providers. It will provide students with skills and ability to work confidently and ethically with suicidal persons.

- ADST 300 Survey of Alcohol/Drug Problems (4)
- ADST 480 Suicide Risk Assessment (3)
- ADST 482 Treatment Strategies for the Suicidal Person (3)
- ADST 484 Suicide Prevention (4)

Total credits for above certificate

14 credits

Alcohol/Drug Studies Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

ADST 300

Survey of Alcohol/Drug Problems (4)

FALL/WINTER/SPRING

Students will learn international and current definitions of alcohol and drug use, abuse and addiction. Recognition of misuse as a social problem and the evolution of social policy and attitudes. Socio-cultural and cross-cultural aspects of chemical dependency, including vulnerable populations—women, youth, elderly and ethnic-cultural groups. Identification and progression of symptoms and disease including the impact on individuals, family and society. Special focus on addressing drug problems personally and professionally with an overview of contemporary treatment modalities. (Cross-listed PSYC 323)

ADST 301

Alcohol/Drug Physiology and Pharmacology (4)

FALL/WINTER/SPRING

Students will review the physical impact and the response of the human body to alcohol and other drugs of abuse through study of the fundamentals of pharmacokinetics, neurologic functioning and current research findings. They will also learn concepts and terminology essential for working on a professional treatment team and for communicating with patients and families. There will be special focus on effective intervention strategies for each class of drug.

ADST 302

Alcohol/Drug Counseling Techniques (3)

FALL/SPRING

Students will study the principal theories and techniques of therapeutic and counseling relationships with particular focus on those designed for or adept in addressing defense mechanisms and

resistance characteristic of addiction. The curriculum includes diagnostic drug use assessment, effective behavioral change strategies, and fundamental counseling techniques from a variety of theoretical perspectives including traditional cognitive models.

ADST 303

Counseling in the Age of AIDS and Selected Pathogens (2)

FALL/WINTER

This course presents the study of the impact of air- and blood-borne pathogens and the role of the human service clinician. Students will review the theory and technique for effectively addressing issues of alcohol and drug use for the at-risk person and the issues of risk of exposure for the drug abusing individual. Physiology, epidemiology, risk assessment, legal/ethical issues and societal implications of HIV and other pathogens will be presented. This course is appropriate for students of any discipline but is approved by the DSHS/DASA for state chemical dependency counselor qualification.

ADST 304**Psychology of Addiction (3)**

WINTER/SPRING

This course develops knowledge and functional understanding of the psychology of addiction as supported by the most recent professional theories being presented to date. The concepts of the destructive behaviors associated with addictions of all types are explored. Some of the addictions to be reviewed will be chemicals, gambling, food, sex, relationship, work and exercise. This course will explore the ideas of causality and social implication in addictions. The history of addictions in our nation will be discussed. The various approaches to treatment, alternatives and social issues are investigated.

ADST 308**Cultural Diversity and Chemical Dependency (2)**

FALL/WINTER

This course examines issues regarding the treatment of clients from different cultural/ethnic backgrounds. It also discusses issues specific to treating women, elderly, gay, lesbian, bisexual, transgendered and questioning (GLBTQ) people and people with disabilities.

ADST 395**Alcohol/Drug Practicum I (1-3)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: Completion of 14 of the 15 core courses and completion of application and placement process.

The students will be placed in an alcohol/drug prevention or treatment facility to observe and study the application of theory and technique toward generalization to the student's principal discipline. When the field experience placement is in a state-certified alcohol/drug treatment facility, the hours apply toward chemical dependency counselor state certification.

ADST 399**Alcohol/Drug Special Studies (1-5)**

FALL/WINTER/SPRING

The subjects vary relative to faculty and student interests.

ADST 410**Community Prevention Methods (4)**

FALL

Students will learn about the history of prevention and will gain a working understanding of the risk and protective factor framework, the resiliency model, the developmental asset model and the principles of effectiveness. Students will be able to understand the importance of program planning and evaluation. They will familiarize themselves with best practices and promising practices through the WestCapt website. Students will gain an understanding of the importance of delivering programs in a culturally and developmentally appropriate context. Media literacy and media advocacy will be discussed and students will be able to design their own media-related projects. The Washington state model of prevention will be presented, including the role of the "Synar" amendment. The skill standards for substance abuse and violence prevention as well as the requirements for prevention certification will be reviewed.

ADST 415**Substance Abuse and the Elderly (3)**

SPRING

This course develops an enriched understanding of the psychological, social and health problems associated with chemical dependency and the elderly. Substance abuse, particularly of alcohol and prescription drugs, among people 60 and older is one of the fastest-growing health problems facing the country. The various treatment approaches, alternatives and social issues are discussed. This course explores addictions and will explore the ideas of causality with social implications.

ADST 420**Alcohol/Drug Case Management (4)**

WINTER/SPRING

Prerequisites: Completion of ADST 300 and 302 or permission of the instructor.

This course builds on the theoretical and technical principles and skills addressed in ADST 302. Thorough review of approaches and philosophies of case management and its essential role in effectively addressing the complexity of multiple-issue recovery, including dual-diagnosis, gender and sexuality issues, suicide and relapse. Includes established national and regional standards of care in treatment planning, record keeping and discharged and aftercare planning.

ADST 430**Alcohol/Drug Family Counseling (3)**

FALL/WINTER

This course examines the dynamics of family in relationship to chemical dependency and models of family counseling, including overviews of structural, strategic, transgenerational, growth-oriented, behavioral and solution-focused theories as applied to chemical dependency. Students will also be exposed to theories of family roles and children of alcoholics (COA) and adult children of alcoholics (ACA) issues. They will look at what constitutes a healthy family system.

ADST 440**Alcohol/Drug Group Counseling (3)**

WINTER/SPRING

Students will review the theoretical foundations of group dynamics and therapy as applied to alcohol/drug treatment clientele. They will explore the design, leadership and applications of therapy groups via a combination of lecture readings and experimental lab activities. Emphasis will be placed on learning to observe, understand and guide the group dynamics as they occur.

ADST 450**Practicum Seminar (1)**

Prerequisite: Completion of 20 ADST credit hours.

This course is designed to prepare students to enter into the ADST practicum experience. Students will make application to practicum, obtain proper state-required paperwork and review practicum assignment.

ADST 460**Chemical Dependency Ethics and the Law (4)**

FALL

Prerequisites: ADST 300 and 302 or permission of the instructor.

Students will be exposed to fundamental and technical study of the law, policy, malpractice and liability regarding chemical dependency prevention and treatment practice. Strong focus will be on the contemporary issues of the field relative to current policy and the development of professional knowledge and skills that support ethical and effective practice. Application of ethics for chemical dependency clinicians.

ADST 462**Alcohol/Drug Youth Chemical Dependency Counseling, Screening and Assessment (3)**

SPRING

This course will emphasize the unique developmental stages of adolescence and the ways in which substance use/abuse/dependency harm the adolescent's worldview. The various methods used when providing interventions and treatment will be explored along with assessment requirements specified by the state. This course will expand the issues of the family system as context for recovery using traditional resources and innovative approaches in adolescent chemical dependency treatments.

ADST 464**Alcohol/Drug Relapse Prevention (2)**

SPRING

Relapse is not a single event but a process that takes place over time. This class will investigate that process by examining the principles and procedures of relapse prevention therapy. It will also focus on the developmental model of recovery to explore major causes of relapse in each stage of recovery. Another major focus of this class will be to address client relationship with family, employment, education, spirituality, health concerns and legal needs.

ADST 466**Substance Abuse, Violence and Trauma (3)**

WINTER

Prerequisite: ADST 300 or permission of the instructor.

This course develops a broader based knowledge and understanding of the problems associated with addiction and violent behaviors. The concept of violence and chemical dependency will explore the ideas of causality and social implications. The history of our nation in regards to addictions and violence and the influence of the specific new-age drugs are explored to draw into context the current state of the violence and addiction problem today. The various approaches to course issues, treatment alternatives and social issues are discussed.

ADST 470**Alcohol/Drug and Mental Illness (3)**

WINTER

Prerequisite: ADST 302 or permission of the instructor.

Study of the major mental and emotional illnesses including history, etiology and diagnostic criteria. How these illnesses interact with the use of alcohol and other drugs of abuse toward development of effective treatment strategies which incorporate all mental health, psychiatric and addiction treatment modalities.

ADST 480**Suicide Risk Assessment and Management (3)**

WINTER

This course will explore the theoretical foundation in suicide risk assessment and clinical management with a special emphasis on the Surgeon General's national strategy. It will cover the epidemiology of suicide in the US and evidenced-based risk factors. Emphasis will be placed on the relationship of mental illness and substance abuse to suicide with particular focus on relapse prevention and suicide risk management. The class will include instructions for interviewing suicidal patients and include role-playing exercises. Students will learn about suicide aftercare interventions (postventions) and best practices for avoiding claims of suicide malpractice.

ADST 482**Treatment Strategies for Suicidal Persons (3)**

SPRING

Prerequisite: ADST 480.

This course will explore the theoretical foundation in the treatment and case management of suicidal persons with a special emphasis on the Surgeon General's national strategy. It will briefly review the epidemiology of suicide in the US and evidenced-based risk and protective factors and the relationship of mental illness and substance abuse to suicide with particular focus on relapse prevention and clinical treatment strategies. This course will provide instructions in evidenced-based and best practices for the interviewing, treatment, and case management of suicidal persons and will include role play exercises. Students will role-play suicide aftercare interventions (postventions) and review best practices for avoiding claims of suicide malpractice. Students will be expected to choose a specific evidenced-based or best practice modality or specific at risk population, to investigate more rigorously.

ADST 484**Suicide Prevention (4)**

FALL

Prerequisite: ADST 480.

This course is an introduction into the field of suicide prevention. After introducing a brief history of suicidal beliefs in western culture, students will be confronted with present-day suicidal issues that are considered a public health problem. The goals, objectives and strategies of the Surgeon General's National Strategy for Suicide Prevention and the public health model will be discussed.

ADST 495**Alcohol/Drug Practicum II (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: Successful completion of ADST 395 Alcohol/Drug Practicum I and program approval.

Placement in an alcohol/drug prevention or treatment facility which supports the opportunity to learn knowledge and skill by providing direct service. Regular seminars are held for processing and integrating concepts and techniques and addressing professional issues. When the practicum placement is in a state certified alcohol/drug treatment facility, the hours apply toward chemical dependency counselor qualification.

ADST 496**Experimental Course (1-5)****ADST 497****Workshops, Short Courses, Conferences (1-4)**

FALL/WINTER/SPRING

Subjects vary according to faculty and student interest.

ADST 499**Directed Study (1-4)**

FALL/WINTER/SPRING/SUMMER

ADST 596**Experimental Course (1-5)****AMERICAN INDIAN STUDIES****School of Social Work****Deirdre A. Almeida, Program Director****Program Counselor/Recruiter (to be determined)****American Indian Education Center****(509) 359-2441****Minor***Faculty: D. Almeida***UNDERGRADUATE PROGRAM**

The American Indian Studies Program (IDST) consists of (1) Academic Affairs, (2) Student Services and (3) Tribal Organization/Agency Liaison Components. The Academic Affairs function is fulfilled by a Minor in Indian Studies and service course offerings in other professional disciplines. The IDST curriculum is designed to develop the cultural and civic co-competencies of students in preparation for professional employment by complementing their learning experiences in an interdisciplinary learning environment at EWU. Indigenous intellectual traditions constitute the philosophy of education for IDST. The student services function is fulfilled by a program counselor/recruiter who provides services in student recruitment, admissions, financial aid, academic advising, employment, housing, tutoring, counseling and career development. The program staff also serves as advisors to the Native American Student Association. The tribal organization/agency function is fulfilled through formal and informal working relationships with regional tribal governments, education organizations and social service agencies.

Required courses in the following program of study may have prerequisites. Reference the course description section for clarification.

Indian Studies Minor (16-18 credits)**Required Courses**

IDST 101 Introduction to Indian Studies (4)

IDST 321 Contemporary Indian Issues (4)

Select two courses from the following: 8-10 credits

IDST 121 Introduction to Federal Indian Policy (4)

IDST 380 Survey of Native American Literatures (5)

IDST 496 Tribal Economic Development Problems (4)

ANTH 355 Indians of the Northwest (5)

Minimum total credits for above minor**16 credits****American Indian Studies Courses**

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

IDST 101**Introduction to Indian Studies (4)***[satisfies cultural and gender diversity university graduation requirement.]*

Introduces the basic philosophy (spiritual and intellectual sources), method and major topics of the discipline. Explores organizing concepts, theories and patterns within a historical context—including white contact time and pre-white contact time.

IDST 121**Introduction to Federal Indian Policy (4)**

The politico-legal history of federal legislation, executive policies, and judicial decisions forming the context for evaluation of contemporary issues and problems in Indian Affairs.

IDST 321**Contemporary Indian Issues (4)***[satisfies cultural and gender diversity university graduation requirement.]*

A survey of the legal, socio-economic, political and educational state of contemporary reservation and urban Indians. Special attention is given to the problems and controversies of several major issues such as self-determination in tribal governments, fishing and water rights and religious freedom.

IDST 380**Survey of Native American Literatures (5)**
[satisfies cultural and gender diversity university graduation requirement.]

Designed to introduce students to specific examples of narrative, ceremonial, ritualistic, religious and secular literatures from the oral traditions of Indian Nations in North America and South America. Also introduces students to contemporary genres (i.e., poetry, the short story, the novel and drama) as they emerge from the oral traditions, with the specific purpose of articulating the continuity as reflected in literary genres. (Cross-listed ENGL 380)

IDST 495**Indian Studies Internship (1-5)****IDST 496****Tribal Economic Development Problems (4)**

The institutional mechanism of tribal adaptation and growth. Soci-cultural cause-effect relationships associated with problems in achieving economic self-sufficiency.

IDST 497**Workshops, Short Courses, Conferences (1-5)****IDST 499****Directed Independent Study (1-5)**

Independent study in areas of Indian Studies.

ANTHROPOLOGY

College of Social and Behavioral Sciences
Sarah A. C. Keller, Anthropology Program
103 Isle Hall
(509) 359-7039

BA

Minor

Faculty: J. Dorwin, J. Galm, S. Keller, J. Smith

UNDERGRADUATE PROGRAMS

The Department of Geography and Anthropology offers both a major and a minor in anthropology. Anthropology offers students the opportunity to broaden their exposure to peoples and cultures of the world, both now and in the past. The four-field approach considers the biological, cultural, prehistoric/historic and linguistic aspects of the human condition. Specifically, the Bachelor of Arts degree in Anthropology is designed to meet the needs of students who want to:

1. Broaden their undergraduate exposure to other peoples and cultures of the world as a part of their general education;
2. Prepare for graduate studies in Anthropology; or
3. Undertake an undergraduate program leading to work in such fields as social work, law, and forensics, as well as business and other occupations interacting with ethnically diverse populations or international agencies and companies.

The department also has a research unit, Archaeological and Historical Services, where students can volunteer, and some internships may be arranged both with AHS and other entities. The department has a number of physical facilities available for student use, including a physical anthropology laboratory, a cartography laboratory, a GIS laboratory and a map library.

Optional requirements for anthropology: Anthropology students who plan to become candidates for advanced degrees are advised to complete two years of a foreign language and a course in statistics.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)

Anthropology Major (70–75 credits)

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required for this major.

Required Courses

Disciplinary Foundation Course

ANTH 101 Cultural Anthropology (5)

CSBS Foundation Courses

CSBS 310 Foundations of SBS Theory (5)

Choose one of the following courses

CSBS 320 Introductory Statistics for the Social Sciences (5)

CSBS 331 Documents-Based Research Methods (5)

CEOG 328 Geographic Information Systems I (5)

Disciplinary Core Courses

ANTH 301 Principles of Archaeology (5)

ANTH 345 Physical Anthropology (5)

ANTH 401 Anthropological Research Methods (5)

ANTH 444 Development of Anthropological Theory (5)

ANTH 445 Anthropological Linguistics (5)

ANTH 490 Senior Capstone (4)

Assessment

ANTH 493 Portfolio Assessment (1)

Electives

Choose one of the following

a. Traditional four-field emphasis in Anthropology

Choose an additional 30 credits from any courses with an ANTH prefix.

b. A certificate program

Select one of the focused, interdisciplinary certificates approved for the Anthropology major (consult department for list) 25–30 credits.

c. Specialization focus

Under certain circumstances the student majoring in anthropology, in consultation with the advisor and chair, may design a set of 30 credits of electives that best prepares them for a specialty in anthropology he/she wishes to pursue.

Note: The student majoring in anthropology may do more than this elective minimum

Note: The Anthropology major does not require a minor

Disciplinary foundation credits	5 credits
Social and behavior sciences foundation credits	10 credits
Disciplinary core courses credits	29 credits
Assessment credits	1 credits
Elective credits	25–30 credits
Minimum total credits for above major	70 credits

Minor

Anthropology Minor

Required Courses

ANTH 101 Cultural Anthropology (5)

Electives

Select upper-division anthropology courses in consultation with department advisor.

Required program credits	5 credits
Elective credits	10 credits
Total credits for above minor	15 credits

Anthropology Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

ANTH 101

Cultural Anthropology (5)

FALL/WINTER/SPRING

[satisfies the GEGR for social sciences, list 2, anthropology, geography, psychology, and sociology.]

An introduction to the study of man with principal emphasis on culture.

ANTH 161

Introduction to Chicano Culture (5)

FALL/WINTER/SPRING/SUMMER

[satisfies cultural and gender diversity university graduation requirement.]

A study of Chicano culture providing an initial overview of its roots and conflicts. Specific components discussed are cultural identity, customs, language, psychology and the arts. (Cross-listed CHST 101)

ANTH 201

Latinas/os in Contemporary American Society (5)

[satisfies cultural and gender diversity university graduation requirement.]

The following course examines the experience of the other Latinos (Hispanics) in the United States: Puerto Rican, Cuban American and Central Americans. The course presents a brief historical overview of their entrance in American society and a demographic comparison of significant socio-economic variables of the groups. The primary focus of the course is to examine the social and cultural profile of the Puerto Rican, Cuban and Central American groups in the US. The course covers historical, social and cultural themes, which include the impact of American institutions on identity, culture, language, the family and the future implications of immigration from Latin America. (Cross-listed CHST 201)

ANTH 299**Special Studies (1-15)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the instructor and the department chair.

ANTH 301**Principles of Archaeology (5)**

A comprehensive survey of the field of archaeology which will introduce students to the methods of field excavation and reconstruction employed by scientific archaeologists in the reconstruction of prehistoric cultures.

ANTH 305**Social Anthropology (5)**

May substitute for Anthropology 101.

Prerequisite: Junior standing.

An advanced introduction to social and cultural anthropology emphasizing key concepts and the comparison of distinctive cultures.

ANTH 342**Tribes, Bands and Chiefdoms (5)***[satisfies international studies university graduation requirement.]*

Approaches to understanding non-state societies and an examination of how their cultures contrast with each other and with our own way of life.

ANTH 343**Old World Prehistory (5)**

An introduction to European and Middle-Eastern prehistory with a secondary emphasis on Africa and Asia.

ANTH 345**Physical Anthropology (5)**

An introduction to the origin, genetic adaptation and evolution of living and extinct humans.

ANTH 347**Peoples of Africa (5)**

A comparative view of tradition and change in sub-Saharan Africa.

ANTH 348**Peasant Societies (5)***[satisfies international studies university graduation requirement.]*

World survey of what it means to be a peasant; relationship between communities and larger political wholes; revolutionary and protest movements and their future prospects.

ANTH 349**Major Civilizations of Asia (5)***[satisfies international studies university graduation requirement.]*

An ethnographic survey of Japan, China, Islam and India, emphasizing the core values of each.

ANTH 353**Peoples of the Pacific (5)**

An ethnographic survey of Polynesia, Melanesia and Micronesia.

ANTH 355**Indians of North America (5)***[satisfies cultural and gender diversity university graduation requirement.]*

A comparative overview of distinctive Indian cultures. Opportunities for individual research provided.

ANTH 356**Archaeology of North America (5)**

The pre-Columbian history of America north of the Valley of Mexico.

ANTH 357**Peoples of Latin America (5)***[satisfies international studies university graduation requirement.]*

An ethnographic survey of contemporary cultures of Central and South America, including both aboriginal and peasant societies. Emphasis is placed on the merging and clashing of European, Indian and African, rich and poor, and the continuing character of these conflicts into the present.

ANTH 358**Medical Anthropology (5)***[satisfies international studies university graduation requirement.]*

This course offers an understanding of the anthropology of medicine, curing versus healing, the concept of biomedicine and its role in today's world and other perspectives on medicine and medical practice. A review of folk and "professional" medical systems will be included.

ANTH 359**South Asian Civilization (5)**

A study of continuity and change in the culture and society of India, Pakistan and Bangladesh.

ANTH 366**Revolution and Development in the Third World (5)***[satisfies international studies university graduation requirement.]*

This course explores the alternative models available for understanding rapid cultural change in a worldwide array of postcolonial countries. Emphasis is placed on the historical origins of ethnic, nationalist and class conflict in local regions as studied by anthropologists. Opportunities are made available for pursuing students' regional interests.

ANTH 399**Special Studies (1-15)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the instructor and the department chair.

ANTH 401**Anthropological Research Methods (5)**

A review of anthropological methods for the collection and analysis of cultural data.

ANTH 435**Irish History and Culture (5)**

This course examines various aspects of Irish history and culture from prehistory to the present. Attention is given to religious, social, cultural, economic and political institutions and developments. (Cross-listed HIST 435)

ANTH 441**Culture, Society and Personality (5)**

Synthesis of research, theory and methodology concerning basic behavioral and interactional concepts of culture, society and personality. (Cross-listed SOCI 441)

ANTH 444**Development of Anthropological Theory (5)**

Prerequisite: ANTH 101 or 305.

Introduction to the development of theoretical anthropology which surveys alternative theories concerning man and culture.

ANTH 445**Anthropological Linguistics (5)**

An anthropological perspective on language, incorporating an examination of contemporary approaches to phonology and syntax with an emphasis on language in culture.

ANTH 446**Sociolinguistics (3)**

The course deals with language in its social setting. It examines linguistic variation in relation to social status and interactional context. The political implications of linguistic variation are also considered.

ANTH 450**Cultural Ecology (5)***[satisfies international studies university graduation requirement.]*

The relationship between man, nature and culture is contrasted in food collecting, simple farming and technologically more complex cultures.

ANTH 451**Social Structure (5)**

A consideration of various current approaches to the basic social structure of several cultures. This course will emphasize both the theoretical implications of social structural theory and ethnographic detail of the cultures involved.

ANTH 452**Archaeological Field Techniques (5)**

Archaeological theory and method with emphasis on excavation procedures and skills and laboratory analysis. Opportunity for limited field experience.

ANTH 454**Myth, Ritual and Magic (5)**

Religion as viewed by anthropology, in both urban cultures and smaller non-urban groups. Primary emphasis is on non-western cultures.

ANTH 455**Archaeology of Meso-America (5)**

The pre-Columbian history of Mexico, Central America and Western South America.

ANTH 456**World Archaeology (5)**

This course provides a global review of archaeology beginning with the appearance of the first hominids (the Australopithecines) through the beginnings of agriculture and the advent of social stratification and culturally complex civilizations. Topics will include an overview of human evolution, the first humans and their hunting-gathering lifestyles, the increasing specialization of hunter-gatherers and the dawn of horticulture-agriculture.

ANTH 457**Witchcraft, Sorcery and Shamanism (5)**

An anthropological study of the cultural significance of witchcraft, sorcery, spirit possession and shamanism.

ANTH 460**Forensic Anthropology (4)**

Prerequisite: Restricted to students majoring in Anthropology, Criminal Justice or Chemistry with Forensic Science option, or permission of instructor.

This course is an overview of osteology, human taphonomy and personal identification from skeletal remains, particularly as they are applicable to law enforcement situations. Most class periods will be a combination of lecture and laboratory work.

ANTH 490**Senior Capstone: Anthropology and the Modern World: Critical, Popular and Applied (4)***[satisfies senior capstone university graduation requirement.]*

This course joins together the diverse sub-fields, and eclectic viewpoints of anthropology and its supporting disciplines with the aim of clarifying anthropology's practical uses. It seeks the principles and applications which the field as a whole needs in order to communicate with other institutions and with society at large. We explore the implicit social criticism anthropology offers to western culture and to its own place within it. The course presents an array of career possibilities, together with a wide range of practical applications for anthropological knowledge. Guest lectures, discussion, group work and their own presentations challenge students to relate their special interests to the larger issues of the human sciences and their meanings for people.

ANTH 493**Portfolio Assessment (1)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: Senior standing.

Advised by a member of the Anthropology faculty, the student compiles an assessment portfolio of academic assignments completed in anthropology courses at EWU. Taken during the term in which the student expects to complete the requirements for the bachelor's degree in anthropology, this independent study course provides the student with an opportunity to undertake guided academic/career planning as well as to participate in summative assessments.

ANTH 495**Internship (1-15)**

FALL/WINTER/SPRING/SUMMER

ANTH 497**Workshops, Short Courses, Conferences (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: Permission of the instructor. Special short-term programs of varying content, usually involving field work problems.

ANTH 498**Departmental Seminar (1-5)**

FALL/WINTER/SPRING/SUMMER

Selected topics in anthropology.

ANTH 499**Directed Study (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the instructor and the department chair.

Independent study in selected areas of anthropology.

ANTH 595**Internship (1-5)**

Prerequisite: Approval of committee or chair or department.

This course will offer vocational experience for students in the interdisciplinary option within the History MA Program. Placement of the student with federal or state agencies, or private organizations is designed to provide on-the-job training and will be designed for the individual needs of specific master's programs.

ANTH 599**Independent Study (1-15)**

Prerequisite: Prior approval of instructor.

ANTH 600**Thesis (2-6)**

Prerequisites: Permission of department chair and graduate research chair.

The objective of this course is to conduct original research as part of the completion of a research study bound as a thesis. This document provides partial fulfillment of the MA requirement and will be completed under the direction of a graduate committee. The thesis is designed to sharpen research, writing and organizational skills.



APPLIED PSYCHOLOGY

See COUNSELING, EDUCATIONAL AND DEVELOPMENTAL PSYCHOLOGY

ART

College of Arts and Letters
Melissa Furness, Chair
140 Art Building
(509) 359-2494

BA, BAE, BFA
Minor

Faculty: T. Askman, L. DeVuono, M. Furness, N. Hatbaway,
B. Miller, S. Murney, E. Nappa, N. Orosco

UNDERGRADUATE PROGRAMS

The Department of Art offers a curricular program founded on three major concerns: developing the highest levels of individual artistic performance and professional education, providing courses for all students which develop cultural understanding and aesthetic appreciation and functioning as a center of emphasis and resource for the visual arts in the cultural activities of both the University and the community at large.

The Department of Art's unique and multifaceted Gallery Program provides cultural enrichment for both the University and the regional community. In addition to the main Art Gallery, the program sponsors public art lectures, visiting-artists' workshops, cooperative exhibitions with northwest museums and the University's permanent art collection.

General Major and Minor Requirements for Art: All Art majors are expected to complete a core of fundamental courses in Studio Art and Art History relative to their specific degree program.

General Degree Completion Requirements for Art: All 400-level studio courses may be repeated three times for credit.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)

Students majoring in Art History will be expected to complete courses in methodology and to present a written thesis.

Art History Major (62 credits)

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses

ART 107 Basic Design (5)
or ART 307 Design (5)
ART 213 Art in the Humanities (5)
ART 300 Drawing (5)
ART 303 Digital Art I (5)
ART 398 Seminar: Introduction to Art Historical Research (2)
ART 498 Seminar in Art History (2)
ART 491 Senior Capstone (5)
Select courses from the following: 30 credits
ART 310 World Art (5)
ART 415 History of Ancient Art (5)
ART 417 History of Medieval Art (5)
ART 420 History of Renaissance Art (5)
ART 422 History of Baroque and Rococo Art (5)
ART 423 Art of the 19th Century (5)
ART 430 History of Modern Art (5)
ART 431 History of Contemporary Art (5)

Electives

Select additional Art History courses in consultation with departmental advisor.

Required program credits	59 credits
Elective credits	3 credits
Total credits for above major	62 credits

Studio Art Major (75 credits)

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses

ART 107 Basic Design (5)
or ART 307 Design (5)
ART 155 Beginning Painting (5)
or ART 355 Painting (5)
ART 213 Art in the Humanities (5)
ART 300 Drawing (5)
ART 303 Digital Art I (5)
ART 400 Drawing (5)
or ART 401 Life Drawing (5)
ART 490 Senior Capstone: Professional practices for the visual arts. Where do you want to go? How do you get there? (5)

Select two of the following courses: 10 credits

ART 310 World Art (5)
ART 415 History of Ancient Art (5)
ART 417 History of Medieval Art (5)
ART 420 History of Renaissance Art (5)
ART 422 History of Baroque and Rococo Art (5)
ART 423 Art of the 19th Century (5)
ART 430 History of Modern Art (5)
ART 431 History of Contemporary Art (5)

Studio Disciplines

From the list of studio courses marked with an (*) choose one studio discipline to be repeated a minimum of 3 times: 20 credits

Ceramics:

ART 325 Ceramics (5)
*ART 425 Advanced Ceramics (5)

Digital Imaging/Computer Graphics:

*ART 403 Digital Art II (5)

Drawing:

*ART 400 Drawing (5)
*ART 401 Life Drawing (5)

Painting:

ART 155 Beginning Painting (5)
ART 355 Painting (5)
ART 356 Watercolor (5)
*ART 455 Painting (5)
*ART 456 Watercolor (5)

Photography:

ART 304 Art of Photography (5)
*ART 404 Art of Photography (5)

Printmaking:

ART 360 Printmaking (5)
ART 361 Papermaking (5)
*ART 460 Printmaking (5)

Sculpture:

ART 365 Sculpture (5)
*ART 465 Sculpture (5)

Alternative Media:

*ART 407 Alternative Media (5)
*ART 450 Workshop in Art (1-5)

Electives

Select additional art courses in consultation with departmental advisor.

Required program credits	45 credits
Studio discipline credits	20 credits
Elective credits	10 credits
Total credits for above major	75 credits

Bachelor of Arts in Education (BAE)

Students seeking certification in Art will be expected to demonstrate basic studio competencies prior to recommendation for admission to professional degree candidacy

Visual Arts/Elementary Major (45 credits)

This major satisfies the endorsement for Preschool to grade 12.

Required Courses

ART 107 Basic Design (5)
 ART 155 Beginning Painting (5)
 or ART 355 Painting (5)
 ART 213 Art in the Humanities (5)
 ART 300 Drawing (5)
 ART 303 Digital Art I (5)
 ART 325 Ceramics (5)
 ART 390 Art in the Elementary School (3)
 ART 391 Foundations of Art Education (2)

Select ONE of the following courses: 5 credits

ART 420 History of Renaissance Art (5)
 ART 423 Art of the 19th Century (5)
 ART 430 History of Modern Art (5)

Electives

From the list of studio courses select additional Art courses in consultation with a department advisor.

Computer/Photography

ART 304 Art of Photography (5)
 ART 403 Digital Art II (5)

3-D Ceramics/Sculpture

ART 307 Design (5)
 ART 365 Sculpture (5)
 ART 425 Advanced Ceramics (5)

2-D Painting/Drawing/Printing

ART 356 Watercolor (5)
 ART 360 Printmaking (5)
 ART 361 Papermaking (5)
 ART 400 Drawing (5)
 ART 401 Life Drawing (5)
 ART 455 Painting (5)
 ART 456 Watercolor (5)
 ART 460 Printmaking (5)

Required program credits

40 credits

Elective credits

5 credits

Credits for above major

45 credits

**Professional Education Requirements/
Elementary Education: 102-103 credits**

See the Department of Education section of this catalog. Prerequisites may also apply.

**Minimum credits for above major and
professional education**

147 credits

Note: The above major requires the completion of a minor.

Note: The above major takes more than 12 quarters at 15-16 credits a quarter.

Visual Arts/Secondary Major (70 credits)

This major satisfies the endorsement for Preschool to grade 12.

Required Courses

ART 107 Basic Design (5)
 ART 155 Beginning Painting (5)
 or ART 355 Painting (5)
 ART 213 Art in the Humanities (5)
 ART 300 Drawing (5)
 ART 303 Digital Art I (5)
 ART 307 Design (5)
 or ART 365 Sculpture (5)
 ART 325 Ceramics (5)
 ART 391 Foundations of Art Education (2)
 ART 393 Art in the Secondary School (3)
 ART 400 Drawing (5)
 or ART 401 Life Drawing (5)

Select one the following: 5 credits

ART 423 Art of the 19th Century (5)
 ART 430 History of Modern Art (5)
 ART 431 History of Contemporary Art (5)

Electives

*Select THREE courses from ONE of the following categories. Courses with an * can be taken up to three times.*

Computer/Photography

ART 304 Art of Photography (5)
 *ART 403 Digital Art II (5)
 *ART 404 Photography (5)

3-D Ceramics/Sculpture

ART 307 Design
 ART 365 Sculpture (5)
 *ART 425 Advanced Ceramics (5)
 *ART 465 Sculpture (5)

2-D Painting/Drawing/Printing

ART 356 Watercolor (5)
 ART 360 Printmaking (5)
 ART 361 Papermaking (5)
 *ART 400 Drawing (5)
 *ART 401 Life Drawing (5)
 *ART 455 Painting (5)
 *ART 456 Watercolor (5)
 *ART 460 Printmaking (5)

Required program credits

55 credits

Elective credits

15 credits

Credits for above major

70 credits

**Professional Education Requirements/
Secondary Education: 46-47 credits**

See the Department of Education section of this catalog. Prerequisites may also apply.

**Minimum total credits for above major and
professional education**

116 credits

Note: All BAE/Visual Arts Secondary Education students will meet with an Art Department faculty mentor during their student teaching internship period.

Note: The above major takes more than 12 quarters at 15-16 credits a quarter.

Bachelor of Fine Arts (BFA)

The primary focus of the BFA is to give students who are committed to becoming contemporary artists an opportunity to immerse themselves in a much deeper studio experience and prepare a very solid portfolio should they continue on to a MFA degree.

Students submit a portfolio by the eighth week of the quarter prior to beginning the BFA acceptance notification will be sent at the end of that quarter. Application is recommended at the end of the sophomore year to help ensure that appropriate junior year courses are selected, such as alternative media, and contemporary art history (offered only once a year). (Students need not be in the BFA to take any art class, with the exception of the senior year three quarter class ART 470). This course requires previous acceptance into the BFA degree program. Art 470 senior courses are an intensive studio experience as well as philosophical dialogues about the nature of being an artist and how to prepare for graduate studies (MFA).

Students have individual mid-term reviews with all art faculty as well as two end-of-quarter reviews with two professional artists from outside the department and the course instructor. Studio art includes: Alternative Media 407 (studies in new genre art; installation, performance, light/space, new materials, chance, time, video, sound, environmental, public art, process and community based art). Students may major in this as well as any traditional discipline.

Students prepare work for and make a mailer for an end of year group exhibition in the main gallery or other space if needed.

Note: There is no foreign language requirement for BFA students.

Studio Art Major (115 credits)**Required Courses**

ART 107 Basic Design (5)
 or ART 307 Design (5)
 ART 213 Art in the Humanities (5)
 ART 300 Drawing (5)
 ART 303 Digital Art I (5)
 ART 400 Drawing (5)
 ART 401 Life Drawing (5)
 ART 407 Alternative Media (5)
 ART 431 History of Contemporary Art (5)
 ART 470 Senior Exhibition (1+1+1)

ART 490 Senior Capstone: Professional practices for the visual arts. Where do you want to go? How do you get there? (5)

Select one of the following courses: 5 credits

ART 310 World Art (5)
 ART 415 History of Ancient Art (5)
 ART 417 History of Medieval Art (5)
 ART 420 History of Renaissance Art (5)
 ART 422 History of Baroque and Rococo Art (5)
 ART 423 Art of the 19th Century (5)
 ART 430 History of Modern Art (5)

Studio Disciplines

From the list of studio courses marked with (*) choose one studio discipline to be repeated a minimum of 3 times: 25 credits

Ceramics:

ART 325 Ceramics (5)
 *ART 425 Advanced Ceramics (5)

Computer Graphics:

*ART 403 Digital Art II (5)

Drawing:

*ART 400 Drawing (5)
 *ART 401 Life Drawing (5)

Painting:

ART 155 Beginning Painting (5)
 ART 355 Painting (5)
 ART 356 Watercolor (5)
 *ART 455 Painting (5)
 *ART 456 Watercolor (5)

Photography:

ART 304 Art of Photography (5)
 *ART 404 Art of Photography (5)

Printmaking:

ART 360 Printmaking (5)
 ART 361 Papermaking (5)
 *ART 460 Printmaking (5)

Sculpture:

ART 365 Sculpture (5)
 *ART 465 Sculpture (5)

Alternative Media:

*ART 407 Alternative Media (5)
 *ART 450 Workshop in Art (1-5)

Select courses in a second studio discipline: 15 credits

Electives

Select additional art courses in consultation with departmental advisor.

Required program credits	53 credits
Studio discipline credits	25 credits
Second studio discipline credits	15 credits
Elective credits	22 credits
Total credits for above major	115 credits

Minor

Art Minor (20 credits)

Required Courses

ART 213 Art in the Humanities (5)
Select one of the following courses: 5 credits
 ART 310 World Art (5)
 ART 311 African and African American Art History (5)
 ART 415 History of Ancient Art (5)
 ART 417 History of Medieval Art (5)
 ART 420 History of Renaissance Art (5)
 ART 422 History of Baroque and Rococo Art (5)
 ART 423 Art of the 19th Century (5)
 ART 430 History of Modern Art (5)
 ART 431 History of Contemporary Art (5)

Select two courses from Art History or Studio Art: 10 credits minimum

Art History:

See courses listed above: ART 310, 311, 415, 417, 420, 422, 423, 430, 431

Studio Art:

ART 155 Beginning Painting (5)
 or ART 355 Painting (5)
 or ART 455 Painting (5)
 ART 303 Digital Art I (5)
 ART 304 Photography (5)

or ART 404 Photography (5)
 ART 325 Ceramics (5)
 or ART 425 Advanced Ceramics (5)
 ART 356 Watercolor (5)
 or ART 456 Watercolor (5)
 ART 360 Printmaking (5)
 or ART 460 Printmaking (5)
 ART 361 Papermaking (5)
 ART 365 Sculpture (5)
 or ART 465 Sculpture (5)
 ART 400 Drawing (5)
 ART 401 Life Drawing (5)
 ART 407 Alternative Media (5)

Total credits for above minor **20 credits**

Art/Elementary or Secondary Minor (33 credits)

This minor satisfies the endorsement for Preschool to grade 12.

Required Courses

ART 107 Basic Design (5)
 ART 213 Art in the Humanities (5)
 ART 300 Drawing (5)
 ART 325 Ceramics (5)
 or ART 365 Sculpture (5)
 ART 355 Painting (5)
 or ART 356 Watercolor (5)
 ART 390 Art in the Elementary School (3)
 or ART 393 Art in the Secondary School (3)
 ART 420 History of Renaissance Art (5)
 or ART 430 History of Modern Art (5)

Total credits for above minor **33 credits**

GRADUATE PROGRAM

The Art Department offers courses that may be included in an Interdisciplinary Master's degree and Art Department faculty may serve on committees for students whose Interdisciplinary program proposals are accepted through the process described elsewhere in this catalog.

Note: Only programs that offer a graduate degree may be the primary discipline in a graduate interdisciplinary degree program. Art does not offer an MA.

The Art Department's Participation in Interdisciplinary Master Programs

First and foremost—all Interdisciplinary MA applicants must understand that the only terminal degree in Studio Art is the MFA. An MFA is required to teach studio art at levels beyond high school. A PhD is needed to teach Art History and Art Education. (See below)

Acceptance into Program

Interdisciplinary MA applicants will have to apply with a portfolio of work in a manner akin to the BFA applicants.

If they are accepted, the Interdisciplinary MA candidates will participate in two quarters of twice quarterly reviews, (i.e., one review by Art faculty and one review by outside professionals each quarter). These reviews are currently listed as ART 470.

During the MA candidate's third and final quarter, s/he will participate in a thesis exhibition and have an oral review by her/his thesis committee which must consist of at least one of their Art faculty.

Interdisciplinary MA History and Art

Interdisciplinary MA students in History and Art have a strong record of following the traditional trajectory of the MA preceding the PhD.

Interdisciplinary MA in Publishing, Creative Writing and Art

Art courses can constitute a minor discipline for this degree program only based on the determination of the Chair, with input from other faculty if necessary.

All faculty will willingly participate on committees to work with MA candidates accepted into our program.

Art Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

ART 107**Basic Design (5)**

Course fee.

The exploration of design concepts for 2-dimensional work, including composition, 2-D form, scale value and color.

ART 155**Beginning Painting (5)**

Course fee.

This course is an introduction to painting techniques and approaches, designed for students with no previous art training and non-art majors.

ART 207**Color Design (5)**

Course fee.

This course examines color problems in design and fine art.

ART 213**Art in the Humanities (5)**

[satisfies the GEQR for humanities and fine arts, list 2, fine arts.]

A survey of cultural interrelationships of the arts, emphasizing the visual arts of painting, sculpture and architecture. (Cross-listed HUMN 213)

ART 300**Drawing (5)**

Course fee.

An introduction to fundamentals of drawing. Students use a variety of media.

ART 303**Digital Art I (5)**

Course fee.

This is a beginning digital art course that explores the use of digital media in the creation of studio art. The focus of this course is on the development of works of art through the use of computer applications such as Adobe Photoshop, Illustrator and Flash. Students experiment with ways in which other artistic media can be used in combination with the digital image to produce unique works of art.

ART 304**Art of Photography (5)**

Course fee.

This class is an exploration of the photographic medium with emphasis on artistic development. Students work with film-based or digital imagery, while learning photographic process and engaging in a dialogue with visual history.

ART 307**Design (5)**

Course fee.

Prerequisite: ART 107.

Problems in experimental three-dimensional design and structure and extensive woodshop experiences.

ART 310**World Art (5)**

[satisfies cultural and gender diversity university graduation requirement.]

A survey of aesthetic and visual concepts of various cultures. Includes study of selected indigenous, primitive and native art forms.

ART 311**African and African American Art History (5)**

[satisfies cultural and gender diversity university graduation requirement.]

Prerequisite: ENGL 100.

Surveys visual arts from prehistoric Africa to the modern African artist.

(Cross-listed AAST 311, HUMN 311)

ART 325**Ceramics (5)**

Course fee.

Beginning exploration of pottery and sculpture. Students will learn beginning hand-building and wheel techniques.

ART 355**Painting (5)**

Course fee.

Prerequisite: ART 155 or permission of the instructor.

This is either a beginning course for upper division students or the second course for those who have taken ART 155.

The exploration of various techniques and approaches to making paintings (realism to non-representational).

ART 356**Watercolor (5)**

Course fee.

Basic watercolor techniques using still life and landscape models.

ART 360**Printmaking (5)**

Course fee.

Techniques including experimental methods.

ART 361**Papermaking (5)**

Course fee.

Traditional and contemporary approaches to handmade paper making.

ART 365**Sculpture (5)**

Course fee.

Experimentation in sculpture through modeling, casting, carving and fabrication.

ART 390**Art in the Elementary School (3)**

Course fee.

Prerequisite: Junior standing.

Children's development in visual expression. Teaching procedures and materials used in structuring children's art experiences and the development of skill in basic studio practices.

ART 391**Foundations of Art Education (2)**

Prerequisite: Junior standing.

An examination and review of significant historical and philosophical thought in the development of contemporary art education.

ART 393**Art in the Secondary School (3)**

Prerequisite: Permission of the instructor.

Designed to examine and verify professional competency prior to student teaching. Required for secondary emphasis art majors.

ART 398**Introduction to Art Historical Research (2)**

Course fee.

An intensive study of the methodology of research in the field of Art History, with emphasis on research techniques and writing.

ART 400**Drawing (5)**

Course fee.

Prerequisite: ART 300.

Advanced drawing and figure construction techniques. Students may specialize in one medium.

ART 401**Life Drawing (5)**

Course fee.

Prerequisite: ART 300.

Specialized study of the human form. Emphasis on analysis of human structure.

ART 403**Digital Art II (5)**

Course fee.

Prerequisite: ART 303 or permission of the instructor.

This is an intermediate and advanced digital art course that expands on the use of digital media in the creation of studio art. In this section, students work to develop greater proficiency in using the computer as an artistic tool while working to build a strong, independent portfolio of digital work using computer applications such as Adobe Photoshop, Illustrator and Flash. The focus is to refine skills and knowledge of the creation of digital-based works of art.

ART 404**Art of Photography (5)**

Course fee.

Prerequisite: ART 304 or permission of the instructor.

Advanced photo techniques and ideas. Subjects vary according to faculty and student interests.

ART 407**Alternative Media (5)**

Course fee.

Prerequisite: Junior standing.

Learning to work with non-traditional materials in the creation of art, students create works dealing with time, chance, light, space and other alternative methods. We will discuss artists and issues surrounding the development of conceptual art and consider its influence on today's art world.

ART 408**Intermedia (5)**

Prerequisite: Junior standing.

The focus of this course is on learning to work with more than one medium in the creation of works of art—intermedia. Students will create works that involve combinations of performance, video and installation. We will discuss artists and issues surrounding the creation of works that are or can be termed "intermedia".

ART 409**Women and Men in Contemporary Art (1)**

Prerequisite: English clearance.

The class focuses on how the cultural arts describe society. Examining as it does so a variety of social issues. Students will suggest ways in which they can integrate women into the arts and into their understanding of larger cultural relationships. (Cross-listed WMST 409)

ART 415**History of Ancient Art (5)**

A survey of early styles of art in Western civilization, including Egypt, the Near East, Greece and Rome.

ART 417**History of Medieval Art (5)**

A survey of painting, sculpture, architecture and craft art in Europe from the Early Christian period through the Gothic age (ca 400–1400 AD).

ART 420**History of Renaissance Art (5)**

Painting, sculpture and architecture of Renaissance Europe from the 14th through the 16th centuries, including a comparison between Italian and Northern styles.

ART 422**History of Baroque and Rococo Art (5)**

European Art between 1600 and 1750, with attention to the interrelation between the visual arts of painting, sculpture, and architecture and other areas of cultural development—music, drama, literature and philosophy.

ART 423**Art of the 19th Century (5)**

Painting, sculpture and architecture in 19th century America and Europe, covering such movements as Neoclassicism, Romanticism, Realism and Impressionism.

ART 425**Advanced Ceramics (5)**

Course fee.

Prerequisite: ART 325.

This course emphasizes the development of advanced skills in ceramics, handbuilding and/or wheel throwing and glaze technology.

ART 430**History of Modern Art (5)**

A survey of major art forms, including architecture, from French Impressionism (ca. 1865) to the present. Emphasis upon identifying the origins and tracing the development of 20th century styles.

ART 431**History of Contemporary Art (5)**

Course fee.

A survey of art and theoretical writings on art from 1960 to the present. As the art world is increasingly globalized, this course examines the works and ideas from artists and art theorists around the world today.

ART 450**Workshop in Art (1-5)**

Course fee.

May be repeated. Prerequisites: Permission of the instructor. Exploratory problems in a variety of materials and media.

ART 455**Painting (5)**

Course fee.

Prerequisite: ART 355.

Exploring a variety of concepts/attitudes and materials relating to art making.

ART 456**Watercolor (5)**

Course fee.

Prerequisite: ART 356.

Advanced watercolor techniques.

ART 460**Printmaking (5)**

Course fee.

Prerequisite: ART 360.

Continued exploration of print media. Emphasis upon craftsmanship and creative possibilities of media.

ART 465**Sculpture (5)**

Course fee.

Prerequisite: ART 365.

Advanced study in sculptural media of student's choice. Opportunity for work in stone, wood, welding, bronze casting and other specialties.

ART 470**Senior Exhibition (1)**

Course fee.

Must be repeated three times for credit.

Prerequisites: Senior standing; permission of the instructor and the department chair.

The individual preparation and presentation of work for senior exhibition.

ART 490**Senior Capstone: Professional Practices for the Visual Arts. Where Do You Want To Go? How Do You Get There? (5)**

[satisfies senior capstone university graduation requirement.]

Course fee.

The course incorporates practical considerations for the graduating senior in both BFA and BA Studio Art programs. It addresses issues from portfolio development, to proposals, to opportunities in the art world. Students are encouraged to work with faculty in developing internships as well as grant proposals and slide packages.

ART 491**Senior Thesis (5)**

[satisfies senior capstone university graduation requirement.]

Prerequisite: Permission of the instructor.

The research and writing of an undergraduate thesis in Art History. Normally taken during the student's senior year.

ART 495**Gallery Internship (1-3)**

This internship program provides practical experience in the curatorial and operational aspects of running an art gallery. Students will learn how to pack and ship art work, hang and publicize art exhibitions and manage art collections.

ART 496**Experimental Courses in Art (1-5)**

Subjects vary according to faculty and student interest.

ART 498**Seminar (2)**

The course may be repeated for additional credit.

An intensive study of the major artists and issues of one historical period, to be developed through readings and group discussions. The period under investigation varies from year to year.

ART 499**Directed Study (1-5)**

Prerequisites: Junior standing; permission of the instructor and the department chair.

Designed for upper-division students who wish to pursue work in any area in which they have completed three prior quarters of work.

ART 500**Graduate Drawing (5)**

Prerequisite: ART 400 or permission of the instructor.

Advanced techniques in drawing; students may specialize in one medium.

ART 501**Graduate Life Drawing (5)**

Course fee.

Prerequisite: ART 401 or permission of the instructor.

Advanced study of drawing techniques and the human form.

ART 525**Graduate Ceramics (5)**

Course fee.

Prerequisite: ART 425 or permission of the instructor. Emphasis on the development of advanced skills in ceramics, hand building, wheel throwing and glaze techniques.

ART 539**Special Topics (1-5)****ART 555****Graduate Painting (5)**

Course fee.

Prerequisite: ART 455 or permission of the instructor.

Advanced studies in painting media.

ART 556**Graduate Watercolor (5)**

Course fee.

Prerequisite: ART 456 or permission of the instructor.

Critical explorations of technique in aqueous media.

ART 565**Graduate Sculpture (5)**

Course fee.

Prerequisite: ART 465 or permission of the instructor.

Critical studies in advanced sculpture techniques.

ART 596**Experimental Course (1-5)****ART 597****Workshops (1-5)**

Note: Workshop credit cannot be used to fulfill graduate degree requirements.

ART 598**Graduate Seminar in Art (3)****ART 599****Independent Study (1-5)**

Prerequisites: Permission of the instructor and the department chair.

Independent study projects in a selected special field of art.

ART 600**Thesis (1-5)**

Prerequisites: Permission of the instructor and the department chair.

ART 601**Creative Research Project (1-5)**

Prerequisites: Permission of the instructor and the department chair.

ART 696**College Teaching Internship (15)**

Teaching a lower-division college course under supervision of a regular faculty member. Includes course planning, arranging bibliographical and other instructional aids, conferences with students, experience in classroom instruction and student course evaluation.

BIOLOGY

College of Science, Health and Engineering

Flash Gibson, Chair

260 Hall of Sciences

(509) 359-2348

BAE

BS

Minors

General Science Endorsement

MS

Faculty: P. Bhuta, R. Black, D. Boggs, R. Brown, K. Carlberg, F. Gibson, T. Hancock, C. Herr, S. Kasuga, D. Lightfoot, H. Lightfoot, H. McKean, C. McNeely, C. Miller, M. O'Connell, A. Scholz, S. Schwab

UNDERGRADUATE PROGRAMS

Biology encompasses the scientific study of life. The structure, function and behavior of organisms are studied at the molecular, cellular, whole organism, population and environmental levels.

Biologists work in hundreds of fields including the health sciences, biotechnology and environmental sciences; in government agencies concerned with resource management, environmental quality and medical research; and in educational institutions as teachers and laboratory technicians.

The Department of Biology offers undergraduate programs leading to the Bachelor of Science. The BS degree is designed for students who require a broad background in biology along with specialized training that will prepare them for specific careers. Options within the degree include biochemistry/biotechnology and pre-professional.

The Department of Biology is located in a building that houses laboratories designed for instruction and research in most aspects of biology. The department maintains its own aquarium rooms, cell culture facilities, greenhouse and herbarium.

In addition to on-campus facilities, the department operates the Turnbull Laboratory for Ecological Studies on the Turnbull National Wildlife Refuge about four miles from campus. These facilities provide opportunities for research in plant and animal physiology, ecology, fisheries and wildlife management.

General Major Requirements for Biology: Upon declaring biology as a major each student should meet with an appropriate advisor as soon as possible. Students should plan to complete BIOL 171, 172, 173 and 270; CHEM 151, 152, 153 and the University English and departmental mathematics requirements in the first two years of study. Required 300-level course work should be completed by the end of the third year. Physiology capstone and advanced elective courses are ordinarily taken in the senior year. Thirty credits of upper-division biology courses are required. Only five credits of BIOL 399 or 499 *Directed Study in Biology* will be allowed towards the electives. The following biology courses will not fulfill elective requirements: BIOL 100 *Introduction to Biology* (5); BIOL 132/133 *Introduction to Human Anatomy and Physiology I, II* (5 each); BIOL 232/233/234 *Human Anatomy and Physiology for Non-Biology Majors* (5 each); BIOL 335 *Elementary Medical Microbiology* (5); BIOL 390 *Biology Teaching Methods* (1).

Those students planning graduate study are encouraged to take courses in physics, computer sciences, calculus, statistics, additional courses in chemistry and a directed study (research) course in biology.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts in Education (BAE)

Biology/Secondary Major (75 credits)

This major satisfies the endorsement requirements for grades 5-12.

Required Biology Courses

BIOL 171 Biology I (4)
BIOL 172 Biology II (4)
BIOL 173 Biology III (4)
BIOL 270 Biological Investigation (3)
BIOL 301 Microbiology (5)
BIOL 302 Botany (5)
BIOL 310 Fundamentals of Genetics (5)
BIOL 340 Biology and Society (2)
BIOL 423 Systematics and Evolution (5)
BIOL 440 Ecology (4)
BIOL 441 Ecology Lab (2)
BIOL 490 Department Senior Capstone (5)

Select one of the following courses: 5 credits

BIOL 303 Invertebrate Zoology (5)
BIOL 304 Vertebrate Zoology (5)

Required supporting courses

CHEM 151 General Chemistry (5)
CHEM 152 General Chemistry (5)
CHEM 153 General Chemistry (5)
SCED 390 Secondary Science Teaching Methods (1)
BIOL 390 Biology Teaching Methods (1)

Select one of the following courses: 5 credits

MATH 106 Precalculus II (5)
or MATH 380 Probability and Statistics (5)

Required program credits

53 credits

Required supporting courses

22 credits

Credits for above major

75 credits

Professional Education Requirements/ Secondary Education: 46-47 credits

See the Department of Education section of this catalog. Prerequisites may apply.

Minimum total credits for above major and professional education

121 credits

Note: The above option requires more than 12 quarters to complete at 15 credits per quarter.

Bachelor of Science (BS)

Biology Major (99-101 credits)

Required Biology Courses

BIOL 171 Biology I (4)
BIOL 172 Biology II (4)
BIOL 173 Biology III (4)
BIOL 270 Biological Investigation (3)
BIOL 310 Fundamentals of Genetics (5)
BIOL 490 Department Senior Capstone (5)

Select one of the following courses: 5 credits

BIOL 301 Microbiology (5)
BIOL 302 Botany (5)
BIOL 303 Invertebrate Zoology (5)
BIOL 304 Vertebrate Zoology (5)

Select one of the following courses: 4-5 credits

BIOL 423 Systematics and Evolution (5)
BIOL 440 Ecology (4)

Select one of the following courses: 5 credits

BIOL 436 Cell Biology (5)
BIOL 438 Molecular Biology (5)

Required Supporting Courses

CHEM 151 General Chemistry (5)
CHEM 152 General Chemistry (5)
CHEM 153 General Chemistry (5)
MATH 161 Calculus I (5)
or MATH 380 Elementary Probability and Statistics (5)

Select additional 40 credits of upper division biology courses. Courses from other departments may be substituted with a biology advisor's consent. A complete fifteen credit course sequence of lower division physics (15 credits) may be used with a biology advisor's consent.

Required program credits

39-40 credits

Required supporting courses

20 credits

Additional upper division

40-41 credits

Minimum total credits for above major

99 credits

**Biology Major with Biochemistry/Biotechnology Option
(134 credits)****Required Biology Courses**

BIOL 171 Biology I (4)
 BIOL 172 Biology II (4)
 BIOL 173 Biology III (4)
 BIOL 270 Biological Investigation (3)
 BIOL 301 Microbiology (5)
 BIOL 310 Fundamentals of Genetics (5)
 BIOL 485 Molecular Biotechnology (5)
 BIOL 486 Molecular Biotechnology (5)
 BIOL 488 Molecular Biotechnology Lab (2)
 BIOL 489 Molecular Biotechnology Lab (2)
 BIOL 490 Department Senior Capstone (5)

Select one of the following courses: 5 credits

BIOL 302 Botany (5)
 BIOL 303 Invertebrate Zoology (5)
 BIOL 304 Vertebrate Zoology (5)

Required supporting courses

CHEM 151 General Chemistry (5)
 CHEM 152 General Chemistry (5)
 CHEM 153 General Chemistry (5)
 CHEM 304 Quantitative Analysis (6)
 CHEM 351 Organic Chemistry (4)
 CHEM 352 Organic Chemistry (4)
 CHEM 372 Organic Chemistry Lab I (3)
 CHEM 420 Instrumental Analysis (5)
 CHEM 421 Physical Chemistry (4)
 CHEM 422 Physical Chemistry (3)
 CHEM 431 Physical Chemistry Lab (1)
 CHEM 432 Physical Chemistry Lab (2)
 CHEM 480 Biochemistry (5)
 CHEM 481 Intermediary Metabolism (5)
 CSCD 132 Programming in BASIC (3)
 MATH 161 Calculus I (5)
 MATH 162 Calculus II (5)
 PHYS 131 Introductory Physics I (4)
 PHYS 132 Introductory Physics II (4)
 PHYS 133 Introductory Physics III (4)
 PHYS 161 Mechanics Laboratory (1)
 PHYS 162 Heat and Optics Laboratory I (1)
 PHYS 163 Instrumentation Lab I (1)

Required program credits

49 credits

Required supporting courses

85 credits

Total credits for above major

134 credits

Note: The above option requires more than 12 quarters to complete at 15-16 credits per quarter.

**Biology Major with Pre-Medicine/Pre-Dentistry Option
(109-111 credits)**

This curriculum is recommended for students planning a career in medicine or dentistry. This course of study would also be appropriate for graduate studies in related fields of the biological and chemical sciences, such as medical technology, biotechnology, pharmacy, etc. The scheduling of courses in this option is designed to meet the academic requirements of the professional programs and to prepare students for the aptitude examination (MCAT, DAT, GRE) which is taken during a student's junior or early senior year. Students interested in pursuing careers in Physical Therapy, Occupational Therapy, Nursing or Physician's Assistant need to see a department advisor to plan a curriculum.

Required Biology Courses

BIOL 171 Biology I (4)
 BIOL 172 Biology II (4)
 BIOL 173 Biology III (4)
 BIOL 270 Biological Investigation (3)
 BIOL 310 Fundamentals of Genetics (5)
 BIOL 490 Department Senior Capstone (5)

Select One of the following: 5 credits

BIOL 301 Microbiology (5)
 BIOL 302 Botany (5)
 BIOL 303 Invertebrate (5)
 BIOL 304 Vertebrate Zoology (5)

Select One of the following: 5 credits

BIOL 436 Cell Biology (5)
 BIOL 438 Molecular Biology (5)

Required supporting courses: 61 credits

CHEM 151 General Chemistry (5)
 CHEM 152 General Chemistry (5)
 CHEM 153 General Chemistry (5)
 CHEM 351 Organic Chemistry (4)
 CHEM 352 Organic Chemistry (4)
 CHEM 353 Organic Chemistry (3)
 CHEM 372 Organic Chemistry Laboratory I (3)
 CHEM 480 Biochemistry (5)
 CHEM 481 Intermediary Metabolism (5)
 CHEM 498 Seminar (1)
 BIOL 498 Seminar (1)
 MATH 161 Calculus I (5)
 or MATH 380 Elementary Probability and Statistics (5)
 PHYS 131 Introductory Physics I (4)
 PHYS 132 Introductory Physics II (4)
 PHYS 133 Introductory Physics III (4)
 PHYS 161 Mechanics Laboratory (1)
 PHYS 162 Heat and Optics Laboratory I (1)
 PHYS 163 Instrumentation Laboratory I (1)

Select an additional three electives: 13-15 credits

ENGL 205 Introduction to Technical Communication (5)
 BIOL 301 Microbiology (5)
 BIOL 304 Vertebrate Zoology (5)
 BIOL 311 Field Botany (5)
 BIOL 332 Human Neural, Muscular and Skeletal Systems (5)
 BIOL 333 Human Cardio and Renal Systems (5)
 BIOL 334 Human Regulatory and Visceral Systems (4)
 BIOL 420 Epidemiology (5)
 BIOL 421 Medical Bacteriology (5)
 BIOL 423 Systematics and Evolution (5)
 BIOL 430 Immunology (5)
 BIOL 432 Virology (5)
 BIOL 435 Biology of Cancer (5)
 BIOL 436 Cell Biology (5)
 BIOL 438 Molecular Biology (5)
 BIOL 440 Ecology (4)
 BIOL 460 Hematology (5)
 BIOL 476 Muscle Physiology (5)
 BIOL 477 Embryology (5)

Required program credits

35 credits

Required supporting courses

61 credits

Elective credits

13-15 credits

Minimum total credits for above major

109 credits

Note: For GEGRs and other university requirements, see catalog.

Minors**Biology Minor (36-37 credits)**

Note: This minor does not meet the endorsement requirement for teachers.

Required Biology Courses

BIOL 171 Biology I (4)
 BIOL 172 Biology II (4)
 BIOL 173 Biology III (4)
 BIOL 270 Biological Investigation (3)
 BIOL 301 Microbiology (5)
 BIOL 302 Botany (5)
 BIOL 303 Invertebrate Zoology (5)
 or BIOL 304 Vertebrate Zoology (5)
 BIOL 340 Biology and Society (2)

Select one of the following: 4-5 credits

BIOL 423 Systematics and Evolution (5)
 BIOL 440 Ecology (4)

Minimum total credits for above minor

36 credits

Health Science Minor (30 credits)**Required Courses**

BIOL 232 Human Anatomy and Physiology for Non-Biology Majors (5)
 BIOL 233 Human Anatomy and Physiology for Non-Biology Majors (5)
 BIOL 234 Human Anatomy and Physiology for Non-Biology Majors (5)
 CHEM 161 General Chemistry for the Health Sciences (5)
 CHEM 162 Organic Chemistry for the Health Sciences (5)
 CHEM 163 Biochemistry Chemistry for the Health Sciences (5)

Total credits for above minor

30 credits

Biology/Secondary Minor (45 credits)

This minor satisfies the endorsement for grades 5-12.

Required Biology Courses

BIOL 171 Biology I (4)
 BIOL 172 Biology II (4)
 BIOL 173 Biology III (4)
 BIOL 270 Biological Investigation (3)
 BIOL 310 Fundamentals of Genetics (5)
 BIOL 340 Biology and Society (2)
 BIOL 423 Systematics and Evolution (5)
 BIOL 440 Ecology (4)
 BIOL 441 Ecology Lab (2)

Select one of the following: 5 credits

BIOL 301 Microbiology (5)
 BIOL 302 Botany (5)
 BIOL 303 Invertebrate Zoology (5)
 BIOL 304 Vertebrate Zoology (5)

Required Supporting Courses:

BIOL 390 Biology Teaching Methods (1)
 MATH 105 Precalculus I (5)
 or MATH 380 Elementary Probability and Statistics (5)
 SCED 390 Secondary Science Teaching Methods (1)

Required program credits**38 credits****Required supporting credits****7 credits****Total credits for above minor****45 credits****Course Requirements for Teacher Certification/Add-on Endorsements**

(For students who currently possess a Washington State Teaching Certificate)

General Science/Add-on Endorsement (65 credits)

To improve their marketability as science teachers, students may wish to complete this option in addition to their BAE in Biology, Chemistry, Earth Science or Physics. This add-on satisfies the General Science endorsement and allows teachers to teach any science grades 5-12.

Required Courses

BIOL 171 Biology I (4)
 BIOL 172 Biology II (4)
 BIOL 173 Biology III (4)
 BIOL 270 Biological Investigation (3)
 BIOL 390 Biology Teaching Methods (1)
 CHEM 151 General Chemistry (5)
 CHEM 152 General Chemistry (5)
 CHEM 153 General Chemistry (5)
 CHEM 390 Chemistry Methods for the Secondary Schools (1)
 GEOG 314 Weather and Climate (5)
 GEOL 120 Physical Geology - The Solid Earth (5)
 GEOL 121 Physical Geology - Surficial Processes (5)
 GEOL/GEOG 390 Earth Science Teaching Methods (1)
 PHYS 121 Descriptive Astronomy (5)
 PHYS 131 Introductory Physics I (4)
 PHYS 132 Introductory Physics II (4)
 PHYS 161 Mechanics Lab (1)
 PHYS 162 Heat and Optics Lab (1)
 PHYS 390 Physics Teaching Methods (1)
 SCED 390 Secondary Science Teaching Methods (1)

Total credits for above add-on endorsement**65 credits****GRADUATE PROGRAM**

The Department of Biology at Eastern Washington University offers a Master of Science in Biology.

The Master of Science in Biology program provides a demanding and rewarding experience in biology leading to competent scholarship and research capability. The department emphasizes research as a basic component of graduate study. A variety of research specialties are available within the department, including limnology, fisheries biology, parasitology, embryology, exercise physiology, wildlife biology, mycology, plant ecology, biotechnology, microbiology and immunology among others. More information on faculty research interests may be obtained by writing the appropriate graduate program advisor or accessing our website at www.biology.ewu.edu. Graduates of the biology program either continue in PhD programs, or are employed in various biological fields with federal, state, and local agencies, environmental consulting firms, public and private schools or private industry.

The Master of Science in Biology curriculum includes core courses in Research Design and Literature; Graduate Seminar; Current Topics in Ecology/Evolution, Physiology, Cell/Molecular, Biology and Growth of Biological Thought; elective courses in advanced topics; and research thesis.

In addition, an **Interdisciplinary Master's Program** is available that can incorporate biology (see separate catalog listing).

The Department of Biology is housed in a remodeled and well-equipped facility. The department administers the nearby Turnbull Laboratory for Ecological Studies on the Turnbull National Wildlife Refuge.

Teaching assistantships, with resident tuition waiver, are available on a competitive basis to qualified graduate students. Other financial support is possible through work-study programs, hourly employment by the department or faculty research grants. All applicants are encouraged to submit an Application for Federal Student Aid which, for incoming students, must be received by the Financial Aid Office by February 15 for support in the following academic year. Applications are available through the Financial Aid Office at EWU.

Entrance Requirements/Preparation

To be admitted to the Master of Science in Biology program, applicants must first meet all requirements for admission to the Graduate School as outlined elsewhere in this catalog. Prospective MS applicants must hold a four-year baccalaureate degree in biology or related natural science from an accredited college or university. Preparation must include the equivalent of two quarters of organic chemistry and one quarter of statistics or calculus. Students who have deficiencies for admission or deficiencies as determined by their graduate committee, may be allowed to make up deficient course work while enrolled in graduate school. Admission to the program will be considered when applicants; 1) have completed all admission requirements for the Graduate Studies Office at Eastern Washington University, 2) have submitted scores from the General GRE test, 3) have provided a completed Supplemental Application to the Department of Biology and two Evaluation/Recommendation Forms and 4) have identified an appropriate faculty research advisor willing to serve as the major professor.

Graduate students wishing to be considered for a Teaching Assistantship must have their completed application to the Department of Biology by March 1. Applicants not seeking Teaching Fellowships must have their completed application to the Department of Biology by April 1, October 15, and January 15 for admission in the fall, winter and spring quarters, respectively.

Candidacy:

To be admitted to candidacy, graduate students in the Master of Science in Biology program must have:

- completed 15 credit hours (10 of which at 500-level) and before completing one half the total minimum credits required for the degree,
- removed all deficiencies regarding entrance requirements (deficient course work cannot be counted toward a degree),
- met with their graduate committee to determine an appropriate course curriculum,
- had their research proposal approved by their internal graduate committee and presented this proposal to the Department of Biology,
- submitted the completed application form with research advisor signature to the appropriate Biology Graduate Advisor,
- had their candidacy approved by the Department of Biology faculty.

Master of Science in Biology**Program Advisors:****A. Ross Black (Admissions)****Margaret A. O'Connell (Candidacy)****Dona Boggs (Fellowship)****258 Hall of Sciences****(509) 359-2339****Graduate Core**

BIOL 510 Research Design and Literature (5)

BIOL 598-01 Seminar (3)

Plus Current Topics from at least two of the following disciplines for a total of six credits (additional Current Topics may be taken for elective credits): (6 credits)

BIOL 511 Current Topics in Ecology/Evolution (2)

BIOL 512 Current Topics in Physiology (2)

BIOL 513 Current Topics in Cell and Molecular Biology (2)

BIOL 514 Growth of Biological Thought (2)

Electives

To be determined in consultation with student's graduate committee. All 400 and 500 level courses may be used as electives.

Thesis

To be determined in consultation with student's graduate committee. All Master of Science in Biology students are required to conduct original research towards their Master's thesis.

BIOL 600 Thesis Research (16-20)

Required core credits**14 credits****Elective credits****16-20 credits****Thesis credits****16-20 credits****Minimum total credits for above master's degree****50 credits****Teaching**

All master of science in biology students are required to either teach at least one quarter as a paid teaching assignment or arrange a teaching experience in consultation with his/her graduate committee. Students who do not have a paid teaching assignment may arrange to receive BIOL 599 credit for the development and execution of this teaching experience.

Final Comprehensive Examination

The final comprehensive examination for the master of science in biology consists of a research seminar and an oral defense of the master's thesis presented to the department. Immediately following the student's seminar, an oral examination is administered by the student's committee which is composed of two-three departmental faculty members and a faculty member appointed by the graduate office. The focus of the examination is the student's thesis and general biology knowledge.

Biology Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

Some of the following courses are cross-listed as 400-level courses. Biology graduate students enrolled in cross-listed courses must enroll at the graduate (500) level.

BIOL 100**Introduction to Biology (5)***[satisfies the GEGR for natural sciences, biology.]*

Prerequisite: Completion of pre-university basic skills in mathematics requirement.

This course is an introduction to the methods of study and the three levels of organization in living organisms: cell, organismal and population. A laboratory is included.

BIOL 109**Understanding Biological Terms (2)**

A course designed to enhance comprehension of words and word parts most commonly encountered in biological sciences.

BIOL 115**Investigating Biology (5)***[satisfies the GEGR for natural science, biology.]*

Prerequisite: Completion of pre-university basic skills mathematics requirement.

This course is for students planning to teach elementary school. It includes inquiry based biological investigations that support science instruction outlined in the National Science Education Standards and Washington Essential Academic Learning Requirements. Laboratory exercises are included.

BIOL 132, 133**Introduction to Human Anatomy and Physiology I, II (5 each)***[the completed sequence of BIOL 132, 133 satisfies the GEGR for natural sciences, biology; counts as one course.]*

For non-biology majors. A two quarter sequence focused on the essential elements of human organ systems and their interrelationships.

BIOL 171**Biology I (4)**

Introduction to biology, covering a review of chemistry from atomic structure through respiration, cell and molecular biology and genetics.

BIOL 172**Biology II (4)**

Prerequisite: BIOL 171.

Introduction to biology, covering evolution, the diversity of life and interactions among organisms and their environment.

BIOL 173**Biology III (4)**

Prerequisite: BIOL 171.

This course is an introduction to biology, covering the structure and function of plants and animals, with emphasis on flowering plants and vertebrates.

BIOL 210**Pacific Northwest Trees and Shrubs (2)**

Identification and ecology of the native and naturalized trees and shrubs of Washington and adjacent states and provinces.

BIOL 232, 233, 234**Human Anatomy and Physiology for Non-Biology Majors (5 each)***[the completion of BIOL 232, 233 and 234 satisfies the GEGR for natural sciences, biology; counts as two courses.]*

Note: BIOL 232, 233, 234 and 335 are designed for students in allied health sciences

Prerequisites: One course in college chemistry for BIOL 232, BIOL 232 for 233, and BIOL 233 for 234.

A three-quarter sequence concerned with the structure and function of the human organism.

BIOL 270**Biological Investigation (3)***[the completion of BIOL 171 and 270 satisfies the GEGR for natural sciences, biology; counts as one course. the completion of BIOL 171, 172 and 270 satisfies the GEGR for natural sciences, biology; counts as two courses.]*

Prerequisite: BIOL 171.

Experimental design and performance, including data collection and analysis, scientific writing and use of the biological literature.

BIOL 299**Special Studies Biology (1-5)**

An opportunity for students to explore problems of special interest.

BIOL 300**History of Biology (5)**

Examines the development of biological ideas in the Western world from early times to the present.

BIOL 301**Microbiology (5)**

Prerequisites: BIOL 171, 270, CHEM 153.

This course covers morphology, physiology, taxonomy and ecology of the microorganisms, emphasizing prokaryotes, fungi and the viruses. A laboratory is included.

BIOL 302**Botany (5)**

Prerequisites: BIOL 172, 173, 270; completion of or concurrent enrollment in CHEM 151.

This course examines the structure, function and phylogenetic relationships in the plant kingdom. A laboratory is included.

BIOL 303**Invertebrate Zoology (5)**

Prerequisites: BIOL 172, 173, 270; completion of or concurrent enrollment in CHEM 151.

This course examines structure, function and phylogenetic relationships of the invertebrate phyla. A laboratory is included.

BIOL 304**Vertebrate Zoology (5)**

Prerequisites: BIOL 172, 173, 270; completion of or concurrent enrollment in CHEM 151.

This course explores the structure, function and phylogenetic relationships of the vertebrates. A laboratory is included.

BIOL 306**Natural Vegetation Ecology of North America (5)**

Prerequisite: GEOG 100 or permission of the instructor. This course is an introduction to the processes and patterns of natural vegetation, emphasizing the Pacific Northwest. (Cross-listed GEOG 306)

BIOL 307**Comparative Chordate Anatomy (5)**

Prerequisite: BIOL 304 or permission of the instructor. Phylogenesis of the organ systems of vertebrates.

BIOL 310**Fundamentals of Genetics (5)**

Prerequisites: BIOL 171, 172, 173, CHEM 153.

This course provides comprehensive coverage of the major topic areas of genetics: classical, molecular and evolutionary.

BIOL 311**Field Botany (5)**

Introductory taxonomy and ecology of local vascular plants.

BIOL 312**Fundamentals of Soil Science (4)**

Prerequisite: Successful completion of MATH 100 or Mathematics Clearance by test.

A general introduction to physical, chemical and biological properties of soils. (Cross-listed GEOG 312)

BIOL 318**Biology of Women (3)**

The history, biology and myths of human reproduction as they apply to women and the interaction of brain, hormones and social life. (Cross-listed WMST 318)

BIOL 320**The Human Prospect (5)**

[satisfies international studies university graduation requirement.]

Explores the biological and philosophical roots of human's relationship with the environment. (Cross-listed HUMN 320)

BIOL 324**Entomology (4)**

Prerequisite: BIOL 303 or 304.

A study of insect biology.

BIOL 332**Human Neural, Muscular and Skeletal Systems (5)**

Course fee.

Prerequisites: BIOL 171, 172, 173, 270, CHEM 153; BIOL 304 recommended.

This course includes gross and microscopic anatomy and physiology of human neural, muscular and skeletal systems. A laboratory is included.

BIOL 333**Human Cardiopulmonary and Renal Systems (5)**

Course fee.

Prerequisites: BIOL 171, 172, 173, 270, CHEM 153; BIOL 304 recommended.

This course includes anatomy and physiology of the human cardiopulmonary and renal systems. A laboratory is included.

BIOL 334**Human Regulatory and Visceral Systems (4)**

Course fee.

Prerequisites: BIOL 171, 172, 173, 270, CHEM 153; BIOL 304 recommended.

This course includes anatomy and physiology of neuroendocrine regulation of human metabolic, gastrointestinal and reproductive systems. A laboratory is included.

BIOL 335**Elementary Medical Microbiology (5)**

Prerequisites: Completion of or concurrent enrollment in both BIOL 234 and CHEM 163.

This course will discuss micro-organisms and animal parasites, with chief emphasis on those which affect human health. A laboratory is included.

BIOL 338**Discovering Women in Science (1)**

The course uses several scientific themes to rediscover from the past, and find in contemporary research, the women who have made significant contributions to science. (Cross-listed CHEM 338, GEOL 338, HIST 338, PHYS 338, PSYC 338, WMST 338)

BIOL 340**Biology and Society (2)**

Biological, social, ethical and economic implications of current advances in the biological sciences.

BIOL 343**Biology of Aging (3)**

Prerequisite: AGST 310 or a college level biology course.

Aging of biological organisms, viewed from the molecular level through the population level, with an emphasis on the human.

BIOL 390**Biology Teaching Methods (1)**

Prerequisites: BIOL 171, 172, 173 and 270; co-requisite SCED 390.

This course is designed for individuals seeking endorsement to teach junior or senior high school biology or general science. Various types of biology programs, organization of lesson materials, techniques and laboratory safety are included in the course.

BIOL 395**Internship/Co-op Fieldwork (1-15)****BIOL 401****Women and Men in Science (1)**

The course will examine the impact made by classroom interactions, laboratory procedure, textbooks and language on women's participation in secondary or postsecondary science. It will make recommendations for gender balanced choices in these areas, and it will introduce women role models from the past for use in science history and other science courses. (Cross-listed GEOL 401, WMST 401)

BIOL 405**Limnology (5)**

Prerequisites: Any one of BIOL 301, 302, 303, 304 or concurrent enrollment.

This course includes the general study of the physical, chemical and biological features of lakes and streams. A laboratory is included.

BIOL 406**Water Pollution Biology (3)**

Prerequisites any two: BIOL 301, 302, 303, 304.

A biological assessment of water pollution. Regulatory efforts by state and federal agencies for water pollution control are covered.

BIOL 407**Aquatic Plants (5)**

Prerequisite: BIOL 302.

Introductory taxonomy and ecology of the algae and common aquatic vascular plants.

BIOL 409**Mycology (5)**

Course fee.

Prerequisite: Any one of BIOL 301, 302, 303, 304 or concurrent enrollment.

This course includes discussion of the structure, physiology, ecology and taxonomy of microfungi and mushrooms with an emphasis on fungi of the Northwest. A laboratory is included.

BIOL 420**Epidemiology (5)**

Prerequisite: BIOL 301 or 452.

A study of the factors which determine the frequencies and distributions of the communicable diseases among humans.

BIOL 421**Medical Bacteriology (5)**

Prerequisites: BIOL 301, CHEM 351.

The microbial agents of human disease, with an emphasis on bacteria.

BIOL 423**Systematics and Evolution (5)**

Prerequisites any two: BIOL 301, 302, 303, 304. BIOL 310 recommended.

A study of variation, adaptation, speciation and taxonomy in biological systems.

BIOL 430**Immunology (5)**

Prerequisite: Any one of BIOL 301, 303, 304 or permission of the instructor. BIOL 460 is recommended.

This course covers immune reactions of animals with principal emphasis on those associated with infectious diseases.

BIOL 432**Virology (5)**

Prerequisite: Any one of BIOL 301, 303, 304 or permission of the instructor. BIOL 460 is recommended.

This course includes coverage of the molecular biology of microbial, animal and plant viruses and their host-parasite relationships. Those viruses associated with human and animal diseases are emphasized.

BIOL 435**Biology of Cancer (5)**

Prerequisites: BIOL 173 or 234, CHEM 153 or 163.

A general study of human neoplasms.

BIOL 436**Cell Biology (5)**

Prerequisites: BIOL 171, 172, 173, 270 and CHEM 153.

A comprehensive study of cell biology from a structural and functional perspective.

BIOL 438**Molecular Biology (5)**

Prerequisites: One of BIOL 301, 302, 303 or 304 and CHEM 351. (Simultaneous enrollment in CHEM 351 is acceptable.)

This course will include study of gene structure, organization, function and regulation. Equal emphasis will be given to the molecular processes and genetic phenomena of both prokaryotic and eukaryotic cells.

BIOL 440**Ecology (4)**

Prerequisites: Math 161 or 380; any one of BIOL 301, 302, 303, 304 or permission of the instructor.

This course involves the study of factors which determine the distribution and abundance of organisms.

BIOL 441**Ecology Lab (2)**

Prerequisite: Current or prior enrollment in BIOL 440.

A field and laboratory course which emphasizes testing ecological hypotheses.

BIOL 442**Conservation Biology (4)**

Prerequisites: BIOL 171, 172, 173, 270 or permission of the instructor; BIOL 440 recommended.

Conservation biology is a synthetic discipline that has arisen in response to the current unprecedented rates of extinction and draws on a wide range of basic sciences and applied fields to address the problem of loss of biological diversity. This course introduces students to the discipline of conservation biology, familiarizes students with literature in conservation biology, and provides students with a forum for discussion of some major topics in conservation biology.

BIOL 443**Wildlife Management (4)**

Prerequisites: BIOL 171, 172, 173 and 270 or permission of the instructor; BIOL 440 recommended.

This course examines the historical and political development of wildlife management, the ecological principles that underpin management decisions, primary approaches to management and current management issues.

BIOL 444**Field Ecology (4)**

Prerequisite: BIOL 423 or 440.

Students conduct observational and/or experimental field studies designed to answer contemporary ecological questions. The course emphasizes hypothesis testing, study design, field techniques, data analysis, and written and oral study presentation. May emphasize aquatic ecology, terrestrial ecology or both.

BIOL 448**Plant/Animal Interactions (5)**

Prerequisite: BIOL 423 or 440.

Students will investigate the complexities and subtleties of mutualistic, antagonistic and commensalistic interactions between plants and animals. A variety of topics will be discussed including co-evolution, pollination biology, plant/herbivore interactions, seed dispersal and predation, ant/plant interactions and carnivorous plants.

BIOL 450**Mammalogy (5)**

Course fee.

Prerequisite: BIOL 304 or permission of the instructor.

This course covers the classifications, life histories and ecology of mammals. A laboratory is included.

BIOL 452**Parasitology (5)**

Prerequisite: BIOL 303 or permission of the instructor.

The animal parasites, with chief emphasis on those of medical importance.

BIOL 454**Ornithology (5)**

Prerequisite: BIOL 304 or permission of the instructor.

Natural history and taxonomy of birds.

BIOL 460**Hematology (5)**

Course fee.

Prerequisites: BIOL 310 plus one of BIOL 301, 303 or 304; or permission of the instructor.

This course discusses the morphology and hemostasis of the normal and abnormal human hematological system. A laboratory is included.

BIOL 462**Ichthyology (5)**

Course fee.

Prerequisites: BIOL 172, 173, 270 or permission of the instructor.

This course is a systematic and ecological study of fishes with emphasis on the freshwater fishes of the US. A laboratory is included.

BIOL 463**Fisheries Biology and Management (4)**

Course fee.

Prerequisites: BIOL 172, 173, 270 or permission of the instructor.

This course covers the development of the biological basis of fisheries management and the role of fish populations as sources of food and recreation for humans.

BIOL 470**Biological Illustration (2)**

Prerequisites: BIOL 172, 173, 270 or permission of the instructor.

The emphasis in this course is placed on developing skill in the production of drawings, diagrams, charts and graphs suitable for publication.

BIOL 476**Muscle Physiology (3)**

Prerequisite: BIOL 332 or permission of the instructor.

This course examines the structure, function and regulation of muscle tissue with emphasis on skeletal muscle.

BIOL 477**Embryology (5)**

Prerequisites: BIOL 310 and one physiology course.

This course examines the dynamics, physical features and mechanisms of early organismic development from both the classical embryology and modern genetic perspective. Emphasis is placed on mammalian embryology. Also discussed are state-of-art technologies currently in use in medical and veterinary practice and in research.

BIOL 478**Microbial Genetics (3)**

Prerequisites: BIOL 301, 310.

Genetic studies on micro-organisms with emphasis on bacteria, viruses and fungi.

BIOL 479**Clinical Laboratory Theory and Practicum I (6)**

Prerequisite: Admission to Professional Training at Sacred Heart Medical Center.

BIOL 479 is a clinical laboratory science course, which will begin at the affiliate hospital in the latter part of summer of a student's junior year. It includes lecture and laboratory instruction in clinical immunohematology, clinical chemistry, phlebotomy, clinical hematology, clinical microscopy and urinalysis, clinical body fluids, transfusion techniques and clinical microbiology.

BIOL 480**Clinical Laboratory Theory and Practicum II (12)**

Prerequisite: BIOL 479.

BIOL 480 is the second course in clinical laboratory science at the affiliate hospital. Students will review basic and advanced information in immunohematology, clinical chemistry, clinical hematology, clinical microbiology, clinical immunology, medical mycology and phlebotomy techniques. Students will perform patient laboratory testing under the guidance of trained professionals.

BIOL 481**Freshwater Invertebrate Zoology (5)**

Prerequisites: BIOL 172, 173, 270 are required; BIOL 405 or 440 is recommended.

This is a field course stressing the collection, preservation and identification of freshwater invertebrates. A laboratory is included.

BIOL 482**Clinical Laboratory Theory and Practicum III (12)**

Prerequisite: BIOL 480.

BIOL 482 is the third course in clinical laboratory science at the affiliate hospital. Students continue to study advanced clinical immunohematology, clinical chemistry, clinical microbiology and clinical hematology. During this course, students will perform actual patient laboratory testing under the guidance of trained professionals.

BIOL 483**Clinical Laboratory Theory and Practicum IV (12)**

Prerequisite: BIOL 482.

BIOL 483 is the fourth course in clinical laboratory science at the affiliate hospital. Students will learn financial and quality management of clinical laboratory, ethics and professional behavior. Students will continue their training in advanced diagnostics in clinical microbiology, clinical chemistry, hematology and immunohematology. During this course, students will perform actual patient laboratory testing under the guidance of trained professionals.

BIOL 485, 486**Molecular Biotechnology (5 each)**

Prerequisites: BIOL 301, 310, CHEM 480.

A study of the concepts, experiments and industrial applications of fermentation theory, recombinant DNA protocols, plasmids and cloning, DNA, RNA and protein sequencing and synthesis, monoclonal antibodies and cell fusion, solid support enzyme technology, bioenergy reactions, biomass and secondary metabolite production and biodegradation.

BIOL 488, 489**Molecular Biotechnology Laboratory (2 each)**

Prerequisite: BIOL 485 or concurrent enrollment for BIOL 488; BIOL 486 or concurrent enrollment for BIOL 489.

Experiments include basic analytical and separatory techniques, analytical and preparative fermentations, restriction analysis of viral DNA, RNA labelling and sequencing, tissue fractionation and lectin affinity column chromatography, DNA cloning, screening and blot analysis, mammalian cell culture and fusion, immunochemistry and in vitro translation.

BIOL 490**Department Senior Capstone: (5)**

Integrated Studies in Physiology-Microbial or Integrated Studies in Physiology-Plants or Integrated Studies in Physiology-Animals
[satisfies senior capstone university graduation requirement.]

Prerequisites: Senior Standing (135 credits) and for Microbial: BIOL 301; Plants: BIOL 172,173,270; Animals: BIOL 303 or 304.

See your major department advisor for the appropriate section number. A laboratory is included.

BIOL 495**Professional Internship (1-15)****BIOL 496****Experimental Courses And Research Courses (1-5)****BIOL 497****Workshops, Short Courses, Conferences (1-5)****BIOL 498****Seminar (1-2)**

Prerequisite: Advanced standing in departmental program.

BIOL 499**Directed Study (1-5)**

Prerequisite: Permission of the instructor.

BIOL 505**Limnology (5)**

Prerequisite: Admission to graduate program.

An in-depth study of the physical, chemical and biological features of lakes and streams incorporating independent field work and/or synthesis of primary literature.

BIOL 506**Water Pollution Biology (3)**

Prerequisite: Admission to graduate program or permission of the instructor.

A comprehensive study of water pollution addressing both biological assessment and regulatory efforts by state and federal agencies for water pollution control. Independent field and/or literature study stressed.

BIOL 507**Aquatic Plants (5)**

Prerequisite: Admission to graduate program or permission of the instructor.

Taxonomy and ecology of the algae and common aquatic vascular plants with an emphasis on independent field studies and/or synthesis of primary literature.

BIOL 509**Mycology (5)**

Prerequisite: Admission to graduate program or permission of the instructor.

Structure, physiology, ecology and taxonomy of microfungi and mushrooms, with an emphasis on fungi of the Northwest and on the design and implementation of independent mycological experiments.

BIOL 510**Research Design and Literature (5)**

Prerequisite: Admission to graduate program or permission of the instructor.

Methods of biological research, including: experimental design; hypothesis testing; data collection, analysis, and interpretation; scientific writing and presentation; and utilization of scientific literature.

BIOL 511**Current Topics in Ecology/Evolution (2)**

May be repeated for credit.

Prerequisite: Admission to the Biology Master's Program or permission of the instructor.

Current readings on selected topics of ecology and evolution. Topics will depend upon interests of instructor and students. Possible topics include: evolution of mating systems, aquatic ecology, community ecology, microevolutionary processes, population dynamics, evolution of life history strategies.

BIOL 512**Current Topics in Physiology (2)**

May be repeated for credit.

Prerequisite: Admission to the Biology Master's Program or permission of the instructor.

Current readings in a specialized area of physiology, including functional aspects of animals, plants or micro-organisms or functions common to two or more groups of organisms.

BIOL 513**Current Topics in Cell and Molecular Biology (2)**

May be repeated for credit.

Prerequisite: Admission to the Biology Master's Program or permission of the instructor.

This course will explore modern developments across the molecular and cell biology disciplines. Topics will build on research expertise of faculty as well as

current literature. These areas include environmental and medical microbiology, recombinant DNA, immuno-pathology, embryo physiology.

BIOL 514**Growth of Biological Thought (2)**

May be repeated for credit.

Prerequisite: Admission to the Biology Master's Program or permission of the instructor.

This course will include readings on topics such as changing biological paradigms, philosophies, and ethical behavior of biologists in their historic as well as current context. Topics will be developed in relation to antecedent discoveries, available technology, political events and social climate.

BIOL 519**Review of Literature (1)**

Presentations by faculty and graduate students of current biological research papers.

BIOL 520**Epidemiology (5)**

Offered alternate years.

Prerequisite: Admission to graduate program or permission of the instructor.

A study of the factors which determine the frequencies and distributions of the communicable diseases among humans with an emphasis on independent synthesis of current literature.

BIOL 521**Medical Bacteriology (5)**

Prerequisite: Admission to graduate program or permission of the instructor.

The microbial agents, especially bacteria, of human disease, with an emphasis on the study of molecular pathogenesis through independent readings and writings on regulation of the expression of pathogenic properties and an oral presentation of a research paper on a current topic in microbial pathogenesis.

BIOL 525**Chemical Limnology (3)**

A study of the chemical environment of aquatic organisms.

BIOL 530**Immunology (5)**

Prerequisite: Admission to graduate program or permission of the instructor.

Immune reactions of animals with principal emphasis on those associated with infectious diseases. Students will conduct primary literature review.

BIOL 532**Virology (5)**

Prerequisite: Admission to graduate program or permission of the instructor.

The molecular biology of microbial, animal and plant viruses, especially those viruses associated with human and animal diseases, and their host-parasite relationships with an emphasis on synthesis of primary literature.

BIOL 535**Biology of Cancer (5)**

Prerequisite: Admission to graduate program or permission of the instructor.

An advanced study of human neoplasms through synthesis of current literature.

BIOL 536**Cell Biology (5)**

Prerequisite: Admission to graduate program or permission of the instructor.

A comprehensive study of cellular biology from a structural and functional perspective incorporating independent laboratory and/or synthesis of primary literature.

BIOL 539**Special Topics (1-5)****BIOL 542****Conservation Biology (4)**

Prerequisite: Admission to graduate program or permission of the instructor.

Conservation biology is a synthetic discipline that has arisen in response to the current unprecedented rates of extinction and draws on a wide range of basic sciences and applied fields to address the problem of loss of biological diversity. This course examines the discipline of conservation biology, familiarizes students with literature in conservation biology and provides students with a forum for discussion of some major topics in conservation biology. Students incorporate independent field work and/or synthesis of primary literature.

BIOL 543**Wildlife Management (4)**

Prerequisite: Admission to graduate program or permission of the instructor.

An examination of the historical and political development of wildlife management, the ecological principles that underpin management decisions, primary approaches and current management issues incorporating independent field work and/or synthesis of primary literature.

BIOL 550**Mammalogy (5)**

Prerequisite: Admission to graduate program or permission of the instructor.

The classifications, life histories and ecology of mammals with an emphasis on independent field or literature review studies.

BIOL 552**Parasitology (5)**

Prerequisite: Admission to graduate program or permission of the instructor.

The animal parasites, especially those of medical importance, with an emphasis on synthesizing current parasitological literature.

BIOL 554**Ornithology (5)**

Prerequisite: Admission to graduate program or permission of the instructor.

Natural history and taxonomy of birds with an emphasis on independent field or literature review studies.

BIOL 560**Hematology (5)**

Prerequisite: Admission to graduate program or permission of the instructor.

An in-depth study of the morphology and hemostasis of the normal and abnormal human hematological system incorporating primary literature review and seminar preparation.

BIOL 562**Ichthyology (5)**

Prerequisite: Admission to graduate program or permission of the instructor.

An in-depth systematic and ecological study of fishes, especially the freshwater fishes of the US, incorporating review of primary literature and independent field research.

BIOL 563**Fisheries Biology and Management (4)**

Prerequisite: Admission to graduate program or permission of the instructor.

Development of the biological basis of fisheries management and the role of fish population as sources of food and recreation for humans. Synthesis of this information by developing a comprehensive management plan for a particular species or body of water.

BIOL 576**Muscle Physiology (3)**

Prerequisite: BIOL 233 or 436 or 490.

The structure, function, and regulation of muscle tissue, with an emphasis on skeletal muscle.

BIOL 578**Microbial Genetics (3)**

Prerequisite: Admission to graduate program or permission of the instructor.

In-depth genetic studies on micro-organisms, especially bacteria, viruses and fungi, with an emphasis on independent research experiments or review of current primary literature.

BIOL 581**Freshwater Invertebrate Zoology (5)**

Prerequisite: Admission to graduate program or permission of the instructor.

A field course incorporating techniques used in the collection, preservation and identification of freshwater invertebrates into independent field research.

BIOL 585**Molecular Biotechnology I (5)**

Prerequisite: Admission to graduate program or permission of the instructor.

An in-depth examination of animal and plant cell culture and microbial fermentation from the perspective of physiology and biochemical engineering.

BIOL 586**Molecular Biotechnology II (5)**

Prerequisite: Admission to graduate program or permission of the instructor.

A thorough overview of principles and practice of recombinant DNA.

BIOL 588/589**Molecular Biotechnology Laboratory (2)**

Prerequisite: Admission to graduate program or permission of the instructor.

Advanced quantitative procedures in recombinant DNA and monoclonal antibodies.

BIOL 596**Experimental Course (1-5)****BIOL 597****Workshops (1-5)**

Note: Workshop credit cannot be used to fulfill graduate degree requirements.

BIOL 598**Seminar (1)**

Prerequisite: Students shall be enrolled during all quarters of residency either for credit (598-01) or (598-02 P/NC).

Students select, develop and present seminars on selected topics in biology to an audience of peers and faculty.

BIOL 599**Independent Study (1-5)****BIOL 600****Thesis Research Project (1-10)**

Thesis will represent culmination of original research under direction of graduate committee.

BIOL 601**Research Report (1-10)**

Non-thesis directed research. Not available for Master of Science in Biology.

Secondary Science Teaching Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

SCED 390**Secondary Science Teaching Methods (1)**

Prerequisite: EDUC 303 or by permission of the instructor.

This course is designed for biology, chemistry, earth science and physics majors and individuals seeking endorsement to teach junior or senior high school. Students will study types of science programs, organization of lesson materials, techniques, laboratory safety and evaluation.



BUSINESS ADMINISTRATION

College of Business and Public Administration

Nancy Birch, Chair

Department of Accounting and Information Systems

307 Kingston Hall/307 Riverpoint

(509) 359-6647/358-2276

Harm-Jan Steenhuis, Chair

Department of Management

305 Kingston Hall/362 Riverpoint

(509) 359-4235/358-2285

Advisor

Undergraduate Business Program

349 Riverpoint

(509) 358-2271

Karen Morley, Advisor

Undergraduate Business Program

317 Kingston Hall

(509) 359-6277

BAB

Minors

MBA

Faculty: N. Birch, A. J. Buxton, A. Cameron, S. Christensen, V. Cooney, J. Dowd, W. Eager, D. Eagle, B. Grinder, D. Gorton, J. Hasan, D. Kiefer, J. Mager, R. Maldonado, R. McGinty, W. McGonigle, C. McNellis, S. Megaard, D. Morgan, E. Murff, F. Nelson, P. Nemetz-Mills, V. Pascal, R. Schwartz, H. Shapiro, S. Shervais, H. Steenhuis, L. Stephens, D. Terpstra, N. Wainwright, P. Weigand, D. Zhou

UNDERGRADUATE PROGRAMS

The College of Business and Public Administration at Eastern offers excellent business programs taught by highly qualified faculty who take a personal interest in each student's progress. The College is known for these strengths:

- Business Administration degrees accredited by AACSB-International
- Classes which allow participation and personal attention
- Teaching by PhDs at every course level
- Excellent computer systems and labs available to students
- Many opportunities to engage in practical research with professors
- Day and evening classes
- Internship opportunities

A solid theoretical foundation balanced with practical application is critical to being successful in business. Eastern Washington University's business programs provide that balance, with emphasis on analysis, critical thinking and intellectual inquiry. An understanding of the economic, social, ethical and legal business environment—along with principles of accounting, finance, management, marketing, production and quantitative analysis, all taught from a global perspective; is part of all Eastern's business programs.

Preparation Information for Business: The College of Business and Public Administration recognizes the importance of certain basic skills to a career in business. Students planning to enter a degree program in Business Administration are encouraged to prepare through courses in written and oral communications, mathematics and computer fundamentals. These skills will be further developed through course work in the Business Administration curriculum. All Business Administration students are encouraged to enroll in BUED 302 *Business Communication* to supplement their communication skills.

Transferring Business Courses from Other Institutions: Eastern Washington University has articulated agreements with all community colleges in the state of Washington and with certain community colleges in

Idaho and Montana regarding the transferability of courses into four-year degree programs. Students planning on transferring from these schools are encouraged to consult with their community college counselor and with the Academic Advisors for Undergraduate Business Programs at EWU regarding transferability of courses in Business Administration.

Course work of students transferring from other institutions of higher education is evaluated on a course-by-course basis to determine equivalence to EWU Business Administration courses. Students seeking a degree in Business Administration must complete a minimum of 50 percent of business credit hours required for the degree in residence at EWU. Additionally, students must complete a minimum of 50 percent of the required courses in the major at EWU. Students seeking a minor in Business Administration, International Business, Management Information Systems or Quality Management must complete a minimum of 12 credits in the minor at EWU.

It is the policy of the College of Business and Public Administration that students, once admitted to and pursuing a course of study at EWU in Business Administration, will take their required courses at EWU. A student wishing to take a course at another institution with the intention to transfer that course into his/her degree program at EWU must receive approval from either the Business Undergraduate Program Advisors (lower division courses) or the appropriate department chair (upper division courses).

Course Enrollment Policies: Undergraduate Business Administration courses are offered under the following prefixes:

Business Administration

ACCT	Accounting
BUED	Business Education
FINC	Finance
DSCI	Decision Science
HUMR	Human Resource Management
IBUS	International Business
MGMT	General Management
MISC	Management Information Systems
MKTG	Marketing
OPSM	Operations Management
PTED	Professional Training and Development

Education

BUED	Business Education
CTED	Career and Technical Education
MKED	Marketing Education

Business Administration courses numbered 300 and above (with the exception of MGMT 326, MISC 311 and MKTG 310) are intended for students who either:

- 1) are formally admitted to the BAB program **or**
- 2) have post-baccalaureate standing **or**
- 3) have formally declared majors in another degree program and are taking the course for one of the following reasons:
 - a) required for their major
 - b) required for their minor
 - c) fulfills a GEQR, or International Studies requirement

Students are also expected to satisfy course prerequisites as listed in this catalog. Students who do not meet one of the above criteria, or who have not satisfied course prerequisites, face possible disenrollment.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts in Business Administration (BAB)

Admission Requirements for the College of Business and Public Administration Bachelor of Arts in Business Administration: The College of Business and Public Administration has specific requirements for formal admission into the Bachelor of Arts in Business Administration (BAB) degree program. These requirements must be met before continuation into upper division business courses. Contact the Academic Advisors for Undergraduate Business Programs for current requirements.

Grade Requirements for Graduation:

Students seeking a BAB degree must achieve:

1. A minimum grade of 2.0 in each course required for the major,
2. Formal admission to the BAB program, and
3. A minimum GPA of 2.5 for all Upper Division Business Administration Core courses as well as required and elective courses taken to fulfill requirements for the major area.

Students seeking a minor in Business Administration, International Business, Management Information Systems or Quality Management must achieve a minimum grade of 2.0 in each course that fulfills a requirement for the minor.

Course Repeat Policy

Effective Fall Quarter, 2004, the Undergraduate Business Program will be enforcing a course repeat policy. This policy limits students to three attempts for each requirement for their business major or minor, including all requirements listed on the business administration core and business classes required for the major or minor. If a requirement for the major or minor has to be taken three times and is not successfully completed with a 2.0 grade by the third attempt, the student will be dropped from the program.

For fulfillment of each course requirement, the business program will consider the first three times a student completes the course; further attempts of the course will not be accepted. In accordance with EWU's repeat policy, only the most recent of the (first) three completions will be accepted. Completion is defined as receiving a final grade in the course.

A student who has been denied admission to the business program or who has been dropped from the program based on application of this policy may seek admission into the program or continuation through petition to the Dean of the College of Business and Public Administration.

The policy applies to all business program core, major and minor requirements, and includes graded attempts of these requirements at colleges and universities other than EWU. For the specific requirements, refer to the General Undergraduate Catalog or the Business Advising website.

It is anticipated that enforcement of the policy will not be handled automatically by the student information system but will require review of transcripts at the time of admission to the business program and/or review of transcript/graduation forms just prior to graduation. Information as to the policy and the student's obligation to understand and follow it will be included on program advising information and admission forms and in EWU catalog information.

When a student declares business administration as a degree program, the student will be informed of this policy by the business advisor. If a student applying for formal admission to the business program has completed a business program requirement a third time with a grade lower than a 2.0, the student will be informed by the business advisor that the student is not admissible and that further attempts of the course will not be considered. If a student has been formally admitted to the business program and then completes a business program requirement a third time with a grade lower than 2.0, the student will be dropped from the program and informed by the business advisor that further attempts of the course will not be considered.

(Go to www.ewu.edu/BusinessAdvising for details.)

MFAT - Major Field Assessment Test for Business

Students are required to take the MFAT during their last quarter of attendance in the Business Undergraduate program.

(Go to www.ewu.edu/BusinessAdvising for details.)

Program Location

The Bachelor of Arts in Business Administration (BAB) is offered at two locations, at Eastern's main campus in Cheney and in Spokane at the Riverpoint campus. All Business Administration core courses are available at both locations.

The following majors are available on the Cheney campus:

Accounting, Professional
Economics
Finance
General Management
Human Resource Management
Management Information Systems
Marketing
Operations Management

The following majors are available in Spokane:

Accounting, Professional
Economics
Finance
General Management
Human Resource Management
Management Information System
Marketing

Support services, including registration and advising from both the Undergraduate Program Advisor for Business and from faculty members, will be available at both locations. Department chairs and selected faculty will maintain office hours at both locations.

Location of programs may change based on periodic review of student demand and program needs. For current information on program location, contact the Undergraduate Program Advisors for Business in Cheney (Kingston Hall) or in Spokane at Riverpoint.

Degree Requirements for Bachelor of Arts in Business Administration: all students seeking a degree in Business Administration must complete the Business Administration Core plus courses for at least one major.

Note: Students must complete a minimum of 90 credit hours of non-business courses. Up to 13.5 credits of economics and 9 credits of business statistics may be included in the 90 credits of "non-business" courses.

Required Business Administration Core (69 credits)

Lower Division Courses

ACCT 251 Principles of Financial Accounting (5)
ACCT 252 Principles of Managerial Accounting (4)
ACCT 261 Business Law (4)
DSCI 245 Data Analysis for Business (4)
DSCI 346 Advanced Data Analysis for Business (4)
ECON 200 Introduction to Microeconomics (5)
ECON 201 Introduction to Macroeconomics (5)
ENGL 201 College Composition: Analysis, Research and Documentation (5)
MATH 115 Mathematical Reasoning (5) or its equivalent. MATH 200 Finite Mathematics (5) is recommended to meet this requirement.

Upper Division Courses

FINC 335 Financial Management (4)
MGMT 326 Organization Theory and Behavior (4)
MGMT 423 Business and Society (4)
MISC 311 Information Technology in Business (4)
MKTG 310 Principles of Marketing (4)
OPSM 330 Operations Management (4)
MGMT 490 Department Senior Capstone:
Administrative Policies or Small Business Administration and Policies (4)
Major Field Assessment Test (MFAT) for Business Majors to be taken during last quarter in attendance.

Note: ECON 200 and 201 are considered supporting courses and may be used to fulfill GEGRs as well as requirements for the Business Administration degree. However, these courses are not counted twice towards the total of 180 credits for graduation.

Economics Major (99 credits)

The Economics major is for students who want a degree in Business Administration, with additional study in the field of economics. Many students complete majors in both Economics and Finance, which expands their opportunities for employment in financial institutions and in the securities industry. The Economics major permits the student to take courses beyond the Business Administration Core in such areas as Intermediate Microeconomic Theory, Intermediate Macroeconomic Theory, Money and Banking, Labor Economics, History of Economic Thought, etc.

Required Courses

ECON 404 Intermediate Microeconomic Theory (5)
ECON 405 Intermediate Macroeconomic Theory (5)

Electives

Select approved, related electives in consultation with your faculty advisor.

Required business administration core	69 credits
Required program credits	10 credits
Elective credits	20 credits
Total credits for above major	99 credits

Finance Major (95–96 credits)

The Finance major is for those students with career objectives in the financial management of business firms, banking and other financial institutions, insurance and the securities industries. The course of study analyzes the investment needs, financial requirements and financial performance of business firms. It also is concerned with the role played by financial institutions and security markets in meeting the vital financial needs of business firms, investors and consumers.

Required Courses

ECON 404 Intermediate Microeconomic Theory (5)
ECON 444 Money and Banking (5)
FINC 431 Investments (4)
FINC 434 Financial Derivatives (4)
FINC 435 Capital Budgeting and Long-Term Financing (4)

Electives

Select approved, related electives in consultation with your faculty advisor.

Required business administration core	69 credits
Required program credits	22 credits
Elective credits	4–5 credits
Minimum total credits for above major	95 credits

General Management Major (89 – 91 credits)

Students interested in learning the basic theory and principles of management that are crucial to effective organizational performance should consider the General Management major. Emphasis is on the study of organizational behavior, human resource management, and organizational design and development. The student also has the opportunity to study management as applied to specific areas, including marketing, finance, operations management and management information systems. Students are encouraged to supplement this with course work in managerial economics and communications.

Required Courses

HUMR 328 Personnel Management (4)

Electives

Select approved, related electives in consultation with your faculty advisor.

Required business administration core	69 credits
Required program credits	4 credits
Elective credits	16–18 credits
Minimum total credits for above major	89 credits

Human Resource Management Major (89–91 credits)

The Human Resource Management major focuses on tools, techniques and methods used to maximize satisfaction for both the employer and employee. This major applies human resource management and general management theories to the actual management of the human resources of the organization. Topics covered include equal opportunities, safety and health, compensation, training and development, performance appraisal, motivation and job satisfaction and retirement.

Required Courses

HUMR 328 Personnel Management (4)
HUMR 427 Compensation Administration (4)
HUMR 429 Personnel Problems (4)

Electives

Select approved, related electives in consultation with your faculty advisor.

Required business administration core	69 credits
Required program credits	12 credits
Elective credits	8–10 credits
Minimum total credits for above major	89 credits

Management Information Systems Major (97–98 credits)

The major in Management Information Systems is oriented toward developing specialists who can design, implement and manage business information systems. Upon completion, the student should be able to understand both the technical aspects of these systems and the complexities of their management. Depending upon the electives chosen, the student may prepare for entry-level positions in either the technical areas of data processing or in staff support roles in the various functional areas of business.

Required Courses

MISC 312 Management Information Systems (4)
MISC 371 Business Applications Program Design (4)
 or CSCD 211 Programming Principles II (5)
MISC 373 Business Database Application (4)
MISC 481 Systems Analysis and Design (4)
MISC 482 Systems Project (4)

Electives

Select approved, related electives in consultation with your faculty advisor.

Required business administration core	69 credits
Required program credits	20–21 credits
Elective credits	8 credits
Minimum total credits for above major	97 credits

Marketing Major (93–95 credits)

The Marketing curriculum prepares students for a wide variety of occupational possibilities. Marketers are involved with such activities as product planning, pricing decisions, advertising, sales management and marketing research. Marketing practitioners act as the connecting link between the firm and its external environment; they assist management in adapting the firm to an ever-changing society.

Required Courses

MKTG 400 Buyer Behavior (4)
MKTG 411 Marketing Research (4)
MKTG 412 Marketing Management (4)
MKTG 417 Marketing Analysis (4)

Electives

Select approved, related electives in consultation with your faculty advisor.

Required business administration core	69 credits
Required program credits	16 credits
Elective credits	8–10 credits
Minimum total credits for above major	93 credits

Operations Management Major (93–95 credits)

Operations Management deals with the techniques and methods helpful in achieving management objectives concerning quantity, quality, schedules and costs. Study covers such subjects as inventory management, facility planning, systems design, task analysis and project and production scheduling. Courses are intended to prepare students to deal with operations in any kind of organization. This program is for students interested in administration of service organizations or facilities, logistics and production management.

Required Courses

OPSM 425 Operations Management Analysis (4)
OPSM 428 Materials Management (4)
OPSM 441 Problems in Operations (4)

Electives

Select approved, related electives in consultation with your faculty advisor.

Required business administration core	69 credits
Required program credits	12 credits
Elective credits	12–14 credits
Minimum total credits for above major	93 credits

Professional Accounting Major (117 credits)

The Professional Accounting major is designed to rigorously prepare students for careers in public accounting CPA firms, industry, government and not-for-profit organizations. Several professional certificates are available to professional accounting graduates who pass competitive examinations and meet certain other requirements. For example, the Certified Public Accountant certificate, Certified Management Accountant certificate, or Certified Internal Auditor certificate provide professional recognition to the accountants who successfully complete a comprehensive professional examination and meet an experience requirement.

Requirements to sit for the Uniform Certified Public Accountant Examination vary from state to state. Experience requirements for the certificate also vary from state to state. Therefore, students must obtain current information from the Board of Accountancy within the state from which they seek licensure. To contact the Washington State Board of Accountancy, write to: 210 East Union, Suite H. EP-21, Olympia, Washington 98504; or call (360) 753-2585.

Required Courses

ACCT 351 Intermediate Accounting I (4)
 ACCT 352 Intermediate Accounting II (4)
 ACCT 353 Intermediate Accounting III (4)
 ACCT 356 Cost Accounting I (4)
 ACCT 357 Cost Accounting II (4)
 ACCT 359 Accounting Systems (4)
 ACCT 450 Auditing (4)
 ACCT 451 Advanced Auditing (4)
 ACCT 452 Contemporary Accounting Theory (4)
 ACCT 454 Federal Income Tax I (4)
 ACCT 455 Federal Income Tax II (4)

Electives

Select one course from the following:

ACCT 358 Accounting for Non-Profit Entities (4)
 ACCT 422 Advanced Business Law (4)

Required business administration core	69 credits
Required program credits	44 credits
Elective credits	4 credits
Total credits for above major	117 credits

Bachelor of Arts in Education (BAE)

Degree programs in business education are offered in conjunction with the College of Education and Human Development. The College of Business and Public Administration provides courses in business administration, computer applications and vocational education. The Department of Education provides courses in professional education and advising towards teacher certification within the state of Washington. Since these are degrees in education and not in business, the programs do not fall within the scope of the International Association for Management Education and are not accredited by that body.

Business Education/Secondary Major (76 credits)

The Business Education major provides background in accounting, economics, business administration, entrepreneurship and computer applications. This major satisfies the endorsement for grades 5-12. In addition, the program includes all courses and competency requirements for vocational certification. For vocational certification, business majors are required to have 2,000 hours paid and related work experience and an up-to-date Red Cross Card including CPR.

Business Education Required Courses

ACCT 251 Principles of Financial Accounting (5)
 ACCT 261 Business Law (4)
 ACCT 351 Intermediate Accounting I (4)
 BUED 302 Business Communication (4)
 BUED 329 Administrative Systems Management (4)
 BUED 475 Methods of Teaching Basic Business, Accounting and Marketing (4)
 BUED 476 Methods of Teaching Keyboarding and Microcomputer Applications (4)
 CTED 301 Philosophy of Vocational Education (4)
 CTED 375 Safety and Industrial Hygiene (1)
 CTED 474 Administration of Work Based Education (4)
 DSCI 245 Data Analysis for Business (4)
 ECON 200 Introduction to Microeconomics (5)
 ECON 201 Introduction to Macroeconomics (5)
 MGMT 422 Entrepreneurship (4)

MISC 311 Information Technology in Business (4)
 MISC 370 Multimedia Production of Business Documents (4)
 MISC 373 Business Database Application (4)
 MISC 374 Spreadsheet Modeling for Business Applications (4)
 MKTG 310 Principles of Marketing (4)

Total credits for above major **76 credits**

**Professional Education Requirements/
Secondary Education: 46-47 credits**

See the Department of Education section of this catalog. Prerequisites may also apply.

Minimum total credits for above major and professional education **122 credits**

Note: Completion of University competencies in computer literacy and writing, and University proficiency in math required prior to taking lower division required courses.

Note: Completion of University proficiency in writing required prior to taking upper division required courses.

Note: The above major takes more than 12 quarters at an average of 15 credits per quarter.

Minors**Business Administration Minor (22-24 credits)**

The Business Administration minor is open to all students not pursuing a Bachelor of Arts in Business Administration degree. This minor includes required courses in management and accounting, and electives chosen from various fields of business administration.

Required Courses

ACCT 251 Principles of Financial Accounting (5)
 MGMT 120 The World of Business (5)

Electives

Select electives from the approved list (available from the academic advisors for Undergraduate Business Programs) in consultation with your faculty advisor.

Required program credits	10 credits
Elective credits	12-14 credits
Minimum total credits for above minor	22 credits

Note: This minor is only available for students who are not pursuing a Bachelor of Arts in Business Administration degree.

International Business Minor (17 credits)

This minor is offered for students in the Bachelor of Arts in Business Administration (BAB) degree program. The minor in International Business will enhance the business educational experience by providing an in-depth international dimension that complements any major area of study in business. This minor is recommended for students who wish to work in organizations that are engaged in global business activities and want to be prepared to meet the challenges of ever-increasing global interdependence.

Required Courses

IBUS 470 International Business Management (4)
 IBUS 471 Multinational People Management (4)
 IBUS 472 International Marketing Management (4)
 IBUS 474 International Financial Management (5)

Total credits for above minor **17 credits.**

Note: This minor is only available for students who are pursuing a Bachelor of Arts in Business Administration (BAB) degree.

**Management Information Systems Minor
(20-25 credits)**

The minor in Management Information Systems (MIS) provides the conceptual foundation and skill preparation for working in an Information Technology (IT) intensive environment characterized by electronic communication channels based upon microcomputer networks. The program provides a basic understanding of microcomputer and local area network operating systems along with an in-depth knowledge of productivity software products. The program also provides an understanding of the business applications of these software products and demonstrates their importance in supporting business functions.

Required Courses

MISC 312 Management Information Systems (4)
 MISC 371 Business Applications Program Design (4)
 MISC 372 Data Communications and Networking Fundamentals (4)

MISC 373 Business Database Application (4)
MISC 374 Spreadsheet Modeling for Business Applications (4)

Minimum total credits for above minor 20 credits

Note: Some of these courses have the prerequisite MISC 311 Information Technology in Business (4) or CSCD 211 Programming Principles II (5) or permission of the instructor. Prior to beginning this minor, students should have fundamental computer skills. A student may satisfy this requirement through course work, structured testing or instructor evaluation. Prerequisites total 0-5 credits. Students also must have junior standing and completed university competencies and proficiencies prior to beginning any of these courses.

Quality Management Minor (16-28 credits)

The minor in quality management is intended for students who wish to supplement their major area of study with the concepts, tools and methods necessary to emphasize quality in all aspects of a work organization. Emphasis is placed on total quality management, customer needs and statistical analysis of quality in all types of work organizations—public, private, not-for-profit, governmental, educational, etc.

Required courses depends on the number of prerequisites student must complete. Non-business majors will tend to need more course work than business majors.

Prerequisites: Computer Literacy, DSCI 245, 346, MKTG 310, OPSM 330.
DSCI 447 Design of Experiments (4)
MKTG 411 Marketing Research (4)
OPSM 441 Problems in Operations (4)

Approved electives dependent on student needs and interests (4)

Minimum total credits for above minor 16 credits

Course Requirements for Teacher Certification/Add-on Endorsements
(For students who currently possess a Washington State Teaching Certificate)

Business Education/Add-on Endorsement (58 credits)

This add-on satisfies the endorsement for grades 5-12.

Required Courses

ACCT 251 Principles of Financial Accounting (5)
ACCT 261 Business Law (4)
ACCT 351 Intermediate Accounting I (4)
BUED 302 Business Communication (4)
BUED 329 Administrative Systems Management (4)
BUED 475 Methods of Teaching Basic Business, Accounting and Marketing (4)
BUED 476 Methods of Teaching Keyboarding and Microcomputer Applications (4)
CTED 301 Principles and Philosophy of Vocational Business Education (4)
CTED 375 Safety and Industrial Hygiene (1)
CTED 474 Administration of Work Based Education (4)
MGMT 422 Entrepreneurship (4)
MISC 370 Multimedia Production of Business Documents (4)
MISC 373 Business Database Application (4)
MISC 374 Spreadsheet Modeling for Business Applications (4)
MKTG 310 Principles of Marketing (4)

Total credits for above add-on endorsement 58 credits

Note: In addition, vocational business education certification includes a minimum of 2,000 hours of paid related work experience in business as well as student teaching in business.

Marketing Education/Add-on Endorsement (58 credits)

This add-on satisfies the endorsement for grades 5-12.

Required Courses (58 credits)

ACCT 251 Principles of Financial Accounting (5)
ACCT 261 Business Law (4)
ACCT 351 Intermediate Accounting I (4)
BUED 302 Business Communication (4)
BUED 475 Methods of Teaching Basic Business, Accounting and Marketing (4)
CTED 301 Principles and Philosophy of Vocational Business Education (4)
CTED 375 Safety and Industrial Hygiene (1)
CTED 474 Administration of Work Based Education (4)
MGMT 422 Entrepreneurship (4)
MISC 373 Business Database Application (4)
MISC 374 Spreadsheet Modeling for Business Applications (4)
MKTG 310 Principles of Marketing (4)
Three additional approved upper-division marketing classes (12)

Total credits for above add-on endorsement 58 credits

Note: In addition, vocational marketing education certification includes a minimum of 2,000 hours of paid related work experience in marketing as well as student teaching in marketing.

GRADUATE PROGRAMS

Master of Business Administration

EWU, Phase One Classroom Building, Suite A
668 N. Riverpoint Blvd., #331
Spokane WA 99202-1677
(509) 358-2270

The Master of Business Administration is an advanced professional degree in business administration emphasizing quantitative and qualitative skills necessary for leadership in today's organizational environment. It prepares students for management positions in business firms, government agencies and not-for-profit entities. Organizations need leaders who can work well in group situations, appreciate the value of diversity, foster creativity and innovation, create an entrepreneurial spirit and provide practical solutions to real-world problems. Managers today are faced with complex global problems and a rapidly changing business environment, so they must have an appreciation for lifelong learning. The MBA at Eastern Washington University is designed to equip graduates with required skills, knowledge and abilities to flourish in a complex organizational environment.

Program Objectives

The objectives of the program are to:

1. Develop an understanding of leadership, diversity and interpersonal relationships in an organization.
2. Analyze and formulate solutions to problems related to legal, ethical, economic, social, political and global aspects of the environment in which organizations function.
3. Demonstrate competency in quantitative and technical skills related to the needs of an organization.
4. Demonstrate competency in written and oral communication skills.
5. Understand the structures and processes necessary for innovation and entrepreneurial development of an organization.

Accreditation

Graduate programs in business began in 1966 and the Master of Business Administration (MBA) was authorized in 1975. Both the graduate and undergraduate business programs are nationally accredited by AACSB-International.

Admission Requirements/Preparation

To be admitted to the MBA Program, an applicant must hold a four-year baccalaureate degree in any field of specialization from an accredited college or university. Eligibility for admission to the MBA degree program is determined by an index computed from a weighted combination of the applicant's most recent 90 quarter or 60 semester graded hours and his or her score(s) on the Graduate Management Admission Test (GMAT). This index is used as a quantitative indicator of potential for successfully completing graduate work in business administration.

Admission will be considered only AFTER all of the following documents have been received from the applicant:

1. Two copies of the Application for Admission to a Graduate Program at Eastern Washington University;
2. Two copies of official transcripts for all collegiate work completed;
3. Official GMAT scores (no more than 5 years old);
4. A \$50 application fee, in addition to the \$50 graduate Application fee; and
5. Any other information required by the MBA program director.

In addition to the above requirements, international students must demonstrate English language competency by taking the TOEFL (Test of English as a Foreign Language). A minimum score of 237 (580) is required to be considered for MBA Program admission. Note: Admission to the MBA foundation course work requires a TOEFL of at least 525.

All of the above materials should be sent directly to: Graduate Studies Office, 206 Showalter Hall, Cheney WA 99004-2444.

Application Deadlines

Eastern admits MBA students throughout the academic year. Applicants are asked to make an appointment with the MBA Programs Director before they begin the program. At that interview the student will be advised concerning program details, schedules and any foundation requirements that must be completed before starting the advanced program. Applicants will be advised by letter from the Graduate Studies Office concerning the admission decision.

Mathematics and Communications Skills Required

The MBA program requires competency on the part of the student in quantitative skills, computer skills and written and oral communication skills.

Students lacking these skills are urged to acquire them prior to applying for admission to the program. Courses in finite mathematics, differential calculus, computer literacy, and oral and written communications are stressed as necessary preparation.

Computers and Research

The courses of the MBA curriculum have been infused with the application of computer technology in managerial decision-making. In addition, MBA students may expect that the courses will require considerable research beyond assigned course texts. Eastern offers computer labs and computer access to nationwide data banks. MBA students also have access to the John F. Kennedy library on the Cheney campus and the CALS library system at the Riverpoint campus.

Academic Requirements

Students in the MBA Program must maintain at least a 3.0 GPA at all times. Students who fall below a 3.0 GPA are notified that they are officially on probation. These graduate students will be allowed one quarter's study to restore their cumulative GPA to at least the 3.0 level. The faculty of the department offering the degree may extend this probationary period by one quarter when they feel such an extension is warranted by special circumstances. Those students who are unable to restore their cumulative GPA to 3.0 or above in this additional quarter of probation will be terminated from the program.

No course grade below 2.5 may count toward the MBA degree. Only two courses in the student's program may be below a grade of 3.0. Repeating courses for which a grade lower than 3.0 was received does not negate this rule.

Students are expected to successfully complete courses for which they register. The record of any student with more than two "W" (withdrawal) or "X" (incomplete) course grades will be reviewed by the MBA program director, with termination from the program as a possible consequence.

Other graduate academic requirements are set forth in the opening section of the catalog under "Graduate Degree Procedures and Rules." Entering MBA students will be apprised of these regulations at their initial interview with the MBA Program Director following admission to the program.

Advising and Special Counseling

All entering students should consult with the director of the MBA program for program information, and determination of the student's interests. The director recommends a program of study compatible with each student's goals and interests and the MBA Program requirements.

Reserved Classes

In accordance with present program requirements and AACSB accreditation standards, graduate (500-level) business courses at Eastern are reserved exclusively for students who have been formally admitted to the MBA program or other master's degree programs and who have met all prerequisites for the courses.

Study Groups

Managers interact and so do MBA students. The MBA program makes use of group study, analysis and presentation. Students are frequently assigned to teams of three, four or five individuals. Assignments are sometimes based upon assembling a team with diverse academic and work experience backgrounds. Teams are expected to prepare and present many assignments collaboratively.

Working in a group is good reinforcement of management practice, helping to develop interpersonal skills and effectiveness in small group decision-making. Group members begin to understand and appreciate others' points of view. Study groups also reinforce the managerial technique of networking. Successful managers often draw upon resources from individuals outside the organizations they serve.

Practical Business Experience

All students who graduate from the MBA program should have some practical work experience. The majority of the students accepted into the program are working professionals and meet this requirement. For those students who enter the program lacking professional work experience, an internship should be part of the student's MBA program. Up to four (4) four credits earned while in an internship may be used for MBA elective credit.

MBA Program Structure

Prerequisite and Foundation course work

Students with no formal business education in business administration may need to complete up to 32 credits of foundation course work. The specific courses and the resulting required credit hours will be determined by an assessment of each student's educational background and professional experience.

The MBA foundation course work may be satisfied by completion of the following courses:

Prerequisite Knowledge (for those without adequate business knowledge)

- ACCT 261 Business Laws (4)
- FINC 335 Financial Management (4)
- MGMT 326 Organizational Theory and Behavior (4)
- MKTG 310 Principles of Marketing (4)
- OPSM 330 Operations Management (4)

Foundation Knowledge (for those requiring additional business preparation)

- BADM 503 Quantitative Analysis in Business (4)
- or DSCI 303 Applications of Statistics I (4)
- BADM 505 Essentials in Accounting (4)
- or ACCT 251 Principles of Financial Accounting (4)
- and ACCT 252 Principles of Managerial Accounting (4)
- BADM 541 Managerial Communications (4)
- or CMST/ENGL 568 Introduction to Graduate Studies (2) Writing in Organizations (3)
- or acceptable score on GMAT-Verbal or TOEFL
- ECON 500 Economic Analysis (5)
- or ECON 200 Introduction to Microeconomics (5)
- and ECON 201 Introduction to Macroeconomics (5)

Required Core Course work 33 credits

- BADM 500 The MBA Experience (1)
- BADM 520 Advanced Data Modeling for Business Research (4)
- BADM 530 Corporate Finance (4)
- BADM 540 Marketing Management (4)
- BADM 552 Leadership and Ethics (4)
- BADM 560 Decision Making and Accounting Information (4)
- BADM 570 Information Technology and the Organization (4)
- BADM 580 Comparative Business Environments (4)
- BADM 590 Business Strategy, Vision and Policy Implementation (4)

In addition to the above required courses all students must pass an oral examination related to one of the following options:

Option I - Portfolio

Each year the MBA committee will decide upon several BADM 539 Special Topics courses. These courses will be offered in response to student demand, market needs (business and non-profit organizations), current changes in a rapidly evolving economy, and faculty interests and expertise.

Students will select at least 16 but not more than 28 credits of elective course work (in consultation with their advisor). Students may elect to take courses from other graduate programs if these help the MBA student achieve her/his objectives. No more than 12 credits of course work may be taken from other graduate program offerings.

Option II - Research Report

The student conducts a research project and prepares a written report under the direction of a committee of faculty teaching graduate courses. The student can earn a minimum of 4 and a maximum of 8 credits depending upon the extent and depth of research involved. In addition to the research report, students will select 16–20 credits of elective course work (in consultation with his/her advisor) from approved elective courses as outlined under Option I.

Option III - Thesis

This option allows the student to write a thesis under the direction of a committee of faculty teaching graduate courses. The student can earn a minimum of 4 and maximum of 8 credits depending upon the extent and depth of research involved. In addition to the thesis, students will select 16–20 credits of elective course work (in consultation with his/her advisor) from approved elective courses as outlined under Option I.

Degree Candidacy

No more than one-half of the minimum number of credits in the advanced program may be counted toward the MBA degree before the total program is planned and the application for degree candidacy is submitted.

Oral Examination Requirement

The comprehensive examination for MBA students selecting Option I will be conducted during the final quarter of the student's program. Students will make an oral presentation of their program portfolio. Students will then defend the portfolio to a three-member committee consisting of two members of the faculty of the College of Business Administration and a faculty member from an area outside the student's discipline. The Graduate Studies Office will select this member.

Those students electing an BADM 600 thesis or an BADM 601 research report will present and defend the results of their research to an oral committee chaired by the thesis or research project advisor, a second member from the College of Business Administration and a faculty member from an area outside the student's discipline. The Graduate Studies Office will select this member. These students will schedule their orals at times mutually convenient to them and the three committee members.

Course Schedules and Time Limits

MBA courses are conducted in the evenings or on the weekends at the Riverpoint Campus of Eastern Washington University. Evening classes are held one night per week from 6 to 9:40 p.m., Monday through Thursday. Four credit weekend classes meet on Friday evenings and all day Saturday for three weekends a quarter. Two credit weekend classes meet on two Saturdays.

Three-fourths of the minimum credits required for the MBA degree (at least 37 credits) must be earned in Eastern Washington University resident courses.

The remaining credits may consist of approved Eastern extension credits or approved residence or extension credits from other AACSB accredited institutions provided they meet the advisor-approved program.

The MBA program must be completed within six years after the first applicable advanced course has been undertaken. The core MBA courses are offered three times every two years. The minimum time to degree for a full-time student is one year (four quarters). Courses are four credit hours or two credit hours. The maximum allowable load is 16 credit hours. MBA students who are employed usually carry no more than eight credits (two courses).

Visiting Graduate Students

Visiting graduate students may enroll in MBA Program courses on a space-available basis provided they have delivered to the MBA Program Director documentary proof from their home institution that they are bona fide graduate students in good standing and that their home institution will accept Eastern's courses as part of their degree program. Such documentation shall be in the form of a letter signed by a home institution official and addressed to Eastern's MBA Program Director.

Affiliated Programs

Combined MBA Degree/Health Services Administration Certificate

For students who select Option I - Electives, a combined MBA Degree/Health Services Administration Certificate Program is available.

Students in the MBA/Health Services Administration program take, in addition to the 33 required MBA credits, the following courses:

- HSAD 500 US Health Care Systems (4)
- HSAD 510 Health Law (4)
- HSAD 520 Health Reimbursement Issues (4)
- HSAD 560 Managed Care Systems (4)
- HSAD 598 Seminar in Health Services Administration (4)

Twelve credits of the above course work may be used as half of the required 24 credits of electives for the MBA Degree. All five courses must be completed to earn the certificate in Health Services Administration. Also see the information under Health Services Administration elsewhere in this catalog.

Dual MBA/MPA Degree Program

A dual-degree program is available with the Master of Public Administration (MPA) Program. This dual-degree program combines the requisite supervisory and administrative education for career advancement in either the public or private sectors and bridges the regulatory and supplier aspects of business and government relationships.

Those enrolling in the dual-degree program must be admitted through the Graduate Studies Office and by both the MBA program and the Graduate Program in Public Administration (MPA). The student also must have satisfied the undergraduate background (prerequisite) course requirements of both programs at the time of entry or soon thereafter.

Students interested in the specific requirements of this dual-degree program must contact either the MPA Program Director at (509) 358-2247 or the MBA Program Director at (509) 358-2270 to be advised in advance of consideration for admission.

Accounting Courses

Accounting courses numbered 351 and higher have restricted enrollment. See Business Administration "Course Enrollment Policies."

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

ACCT 251

Principles of Financial Accounting (5)

FALL/WINTER/SPRING/SUMMER

Prerequisite: Sophomore standing.

Introduction to the underlying principles of financial accounting and the application of such data to financial decisions.

ACCT 252

Principles of Managerial Accounting (4)

FALL/WINTER/SPRING

Prerequisite: ACCT 251.

Introduces the principles and techniques of managerial accounting. Emphasizes the use of information outputs from the managerial accounting information system in making managerial decisions.

ACCT 261

Business Law (4)

FALL/WINTER/SPRING

Prerequisite: Sophomore standing.

Law as it applies to the business world. Explores background of our system of legal process. Examines law and its social environment and its impact on business organizations and transactions.

ACCT 301

Financial Accounting (4)

FALL/WINTER

May be substituted for ACCT 251; credit is not granted for both ACCT 251 and 301. Prerequisite: Junior standing. An accelerated introduction to principles of financial accounting.

ACCT 302

Management Accounting (4)

WINTER/SPRING/SUMMER

May be substituted for ACCT 252; credit is not granted for both ACCT 252 and 302. Prerequisites: ACCT 251 or 301; Junior standing.

An accelerated introduction to principles of managerial accounting.

ACCT 308

Legal Environment of Business (4)

FALL/WINTER/SPRING/SUMMER

May be substituted for ACCT 261; credit is not granted for both ACCT 261 and 308. Prerequisite: Junior standing. An accelerated introduction to business law.

ACCT 351

Intermediate Accounting I (4)

FALL/WINTER/SUMMER

Intermediate Accounting I, II and III are sequential and cannot be taken out of order or concurrently. Prerequisite: ACCT 251 or 301.

Financial accounting principles and practice: postulates and principles underlying the presentation and interpretation of financial statements, including: working capital, investments, plant assets, long-term liabilities, partnership formation, partnership dissolution and stockholders' equity.

ACCT 352

Intermediate Accounting II (4)

WINTER/SPRING/SUMMER

ACCT 353

Intermediate Accounting III (4)

FALL/SPRING

ACCT 356

Cost Accounting I (4)

FALL/WINTER

Prerequisites: Completion of University computer literacy competency and completion of a math course that satisfies math proficiency (MATH 200 is highly recommended), ACCT 251 (301), 252 (302), DSCI 245 (303), Junior standing.

Cost determination and control: cost accounting theory and accounting for manufacturing operations. Emphasis on historic and standard costs, standard cost variance determination, budgeting and cost allocation.

ACCT 357

Cost Accounting II (4)

WINTER/SPRING

Prerequisite: ACCT 356.

Cost analysis and control principles and methods applied to manufacturing operations and decision making; applications of information theory to cost accounting reports and decision making; applications of information theory to cost accounting reports and decision processes.

ACCT 358

Accounting for Non-Profit Entities (4)

Prerequisite: ACCT 251.

Concepts, principles and procedures of fund accounting and accounting for not-for-profit entities. Emphasis on accounting principles and budgetary control, financial reporting and auditing for effective financial administration of governmental and other non-profit entities.

ACCT 359

Accounting Systems (4)

FALL/SPRING

Prerequisites: ACCT 351, MISC 311 or permission of the instructor.

Application of concepts and techniques for the design, function, separation and evaluation of accounting systems. Focus on accounting system design and evaluation in providing timely information. Problems in accounting-system installation and revision.

ACCT 399

Directed Study (1-5)

ACCT 422

Advanced Business Law (4)

Prerequisites: ACCT 261 or 308; Senior standing.

Business ethics and social responsibility; public law and regulation including securities law, antitrust law, consumer law, labor law and debtor/creditor relations.

ACCT 450

Auditing (4)

FALL/WINTER

Prerequisites: ACCT 353, 356, 359.

Generally accepted auditing standards and principles; auditing objectives and methodology; ethical responsibility of the CPA in financial reporting and auditing.

ACCT 451

Advanced Auditing (4)

WINTER/SPRING

Prerequisite: ACCT 450.

Special topics in auditing with emphasis on EDP and statistical auditing. Auditing objectives, methodology and generally accepted auditing standards as they relate to EDP and statistical auditing. Practical audit experience through hands-on computer use on audit cases.

ACCT 452

Contemporary Accounting Theory (4)

WINTER/SPRING

Prerequisites: ACCT 353, 356.

Contemporary accounting issues and their theoretical implications; review of accounting literature and research studies and pronouncements of the FASB and other professional organizations.

ACCT 454

Federal Income Tax I (4)

FALL/WINTER

Prerequisite: ACCT 251.

Provisions and principles of federal income tax laws affecting the determination of taxable income, tax liability and tax planning for individuals.

ACCT 455

Federal Income Tax II (4)

WINTER/SPRING

Prerequisite: ACCT 454.

Provisions and principles of federal income tax laws affecting the determination of taxable income and tax liability of corporations and information returns and tax planning for partnerships.

ACCT 495

Internships (1-15)

ACCT 498

Seminar (1-5)

ACCT 499

Directed Study (1-5)

Administrative Office Management Courses

AOMG courses numbered 300 and higher have restricted enrollment. See Business Administration "Course Enrollment Policies."

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

AOMG 399

Directed Study (1-5)

AOMG 499

Directed Study (1-5)

Business Administration Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

BADM 500

The MBA Experience (1)

Graded Pass/No Credit.

Prerequisite: Admission to the MBA program.

This course is designed to develop a set of student learning skills for the MBA Program so students can become familiar with the faculty, other students in the MBA program and so they can become immediately productive in their course work. Skills such as management of group activities, case analysis skills, computer skills, integration skills, and personal confidence and presentation skills are covered. Students will begin the development of an MBA program portfolio.

BADM 503

Quantitative Analysis in Business (4)

This course does not count toward the MBA degree.

Prerequisite: Permission of the MBA Director.

An accelerated course in descriptive and inferential statistics, including basic regression analysis, chi-square analysis and quality control methodology.

BADM 505

Essentials of Accounting (4)

This course does not count toward the MBA degree.

Prerequisite: Permission of the MBA Director.

An accelerated course in understanding and using accounting information and accounting information systems in a business environment: includes coverage of both financial and managerial accounting information.

BADM 520

Advanced Data Modeling for Business Research (4)

Prerequisites: Admission to the MBA program and completion of the MBA foundation, or permission of the MBA Director.

A study of business and economic research methodology, including advanced regression analysis, time series analysis and the evaluation of research reports.

BADM 530

Corporate Finance (4)

Prerequisites: Admission to the MBA Program and completion of the MBA foundation, or permission of the MBA Director.

This course covers an analysis of valuation issues and project analysis as well as the relationships between risk, capital structure, cost of capital and dividend policy. It examines contemporary issues and problems confronting financial managers.

BADM 539

Special Topics (1-5)

Some sections are graded Pass/No Credit.

Electives are designed to (1) help students enhance functional business skills by providing an in-depth study of a selected topic from a business core area and (2) expose students to a variety of environments in which business decision making skills are applied, such as international or not-for-profit organizations and/or specific industries, such as health care or service industries. The topics of specific BADM 539 courses offered each quarter are determined by a combination of student and faculty interest and availability.

BADM 540

Marketing Management (4)

Prerequisites: Admission to the MBA program and completion of the MBA foundation, or permission of the MBA Director.

This course is a study of both the theoretical and applied aspects of the marketing process. It covers the elements of successful marketing strategies, marketing decision-making and the impact of marketing on business.

BADM 541

Managerial Communications (4)

Prerequisites: Admission to the MBA program and completion of the MBA foundation or permission of the MBA Director.

This course is designed to refine the student's written, oral and electronic communications skills as applied to the managerial environment within the organization.

BADM 552

Leadership and Ethics (4)

Prerequisites: Admission to the MBA program and completion of the MBA foundation, or permission of the MBA Director.

This course inquires as to leaders and leadership from a perspective of ethics. It asks the student to think about principled leadership through three complex lenses: personal character, accountability and pragmatism (ethical action in an uncertain, competitive and imperfect world). Each of these lenses reflects traditions in moral philosophy and each emphasizes fundamental aspects of leaders' responsibilities. The objective of the course is an integrated understanding of the relationship between ethics and leadership achieved through study of the leader.

BADM 560

Decision Making and Accounting Information (4)

Prerequisites: Admission to the MBA program and completion of the MBA foundation, or permission of the MBA Director.

This course focuses on the use of accounting information and accounting information systems in business decision-making.

BADM 570

Information Technology and the Organization (4)

Prerequisites: Admission to the MBA program and completion of the MBA foundation, or permission of the MBA Director.

This course analyzes the concepts and techniques underlying the development and control of information systems within the firm. It covers the impact of emergent information technologies on strategic planning and emphasizes computer-based management information systems.

BADM 571

Entrepreneurship: A Journey or Destination (2)

Prerequisite: Admitted MBA students only.

This course is designed to assist students in assessing their personal interests in entrepreneurship and as part of that assessment, the course will include learning from the life and times of entrepreneurs, both historical and present. The student will be expected to develop a biosketch of their chosen entrepreneur and share that information with the class.

BADM 572

Small Business Planning (2)

Prerequisites: MBA core.

This course is designed to provide the student a rigorous experience in developing the key portions of a business plan, whether for a small business or an entrepreneurial start-up or early stage business. The course work includes the environmental, marketing and financial portions of a business plan. The students will be expected to individually develop the three portions of the business plan as his/her class assignment. Prerequisites include marketing and finance course work or background.

BADM 573

Entrepreneurship and Small Business Marketing (4)

Prerequisites: MBA core.

The course objective is to introduce the student to marketing techniques that are or can become quite effective for small and early stage firms. As small firms have limited resources, leveraged techniques are necessary to maximize program effectiveness. Guerilla marketing techniques as well as large firm partnerships are possible options. The course will cover strategies and programs. The student will be expected to develop a marketing program for an ongoing firm or their own.

BADM 574

Entrepreneurship and Small Business Finance (4)

Prerequisites: MBA core.

This course is designed to assist students in understanding the stages of new venture development and how financing needs change with each stage. Students will learn to develop a financing plan consistent with the venture's business plan; to make appropriate financing choices; and to develop strategies to harvest the business.

BADM 575

Management Consulting (4)

Prerequisites: MBA core.

This course provides the student the opportunity to interact both with senior community professionals who have consulting experience and firms working within the community that would act as clients for the course's focused programming. Student teams with their advisors would develop a rigorous management audit of a firm, providing reasoned suggestions to client firms as to how to improve their performance. Firms would range from no to high tech.

BADM 576

Entrepreneurship and Small Business Human Resource Management (4)

Prerequisites: MBA core.

One of the most difficult tasks of an entrepreneur is tapping all the human potential available when managing the complex needs of a new business. The purpose of this course is to create awareness of the complex nature of human resource management while enabling the student to focus on his or her own strengths to make human resource decisions with confidence. An emphasis is placed on highly relevant and practical concerns of the entrepreneur.

BADM 577

Entrepreneurship (4)

Prerequisites: BADM 573, 574 and 576.

This course is designed to provide the student a rigorous experience in not only learning about global entrepreneurship, but also in developing a business plan for either their own existing firm or a start-up opportunity. While not a capstone course it does require the student to utilize previously learned information that can be incorporated in the business plan. Verbal and oral communication, as well as Internet based communication and searching, are of importance in this course.

BADM 580**Comparative Business Environments (4)**

Prerequisites: Admission to the MBA Program and completion of the MBA foundation, or permission of the MBA Director.

This course provides an overview of the roles of business in the global economic, political, social and other environments in which businesses operate.

BADM 590**Business Strategy, Vision and Policy Implementation (4)**

THIS COURSE SHOULD BE THE LAST CORE COURSE IN A STUDENT'S MBA PROGRAM. Prerequisites: Admission to the MBA program and completion of the MBA foundation, or permission of the MBA Director.

The study of administrative processes under conditions of uncertainty including integrating analyses and policy determinations at the overall management level. Includes a synthesis of the principles of administrative management from the generalist's view and integrates prior specialized instruction in the basic functions of business and management. Provides an opportunity to develop a capacity for analyzing problems on a broad company-wide basis.

BADM 596**Experimental Course (2-4)****BADM 597****Workshops (2-4)**

Note: Workshop credit cannot be used to fulfill graduate degree requirements.

BADM 598**Graduate Seminar (2-4)****BADM 599****Independent Study (2-4)****BADM 600****Thesis (2-8)**

Independent research study under the direction of a graduate advisory committee.

BADM 601**Research Report (2-8)**

Independent research resulting in a scholarly paper under the direction of the student's graduate committee chairperson.

BADM 695**Internship (2-4)****BADM 696****College Teaching Internship (2-4)**

Teaching a lower-division college course under supervision of a regular faculty member. Includes course planning, arranging bibliographical and instructional aids, conferences with students, experience in classroom instruction and student course evaluation.

Business Education Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

BUED 302**Business Communication (4)**

Prerequisite: Junior standing.

Emphasis is placed on functional writing. This course develops skills and techniques in writing business letters, office communications and business reports.

BUED 329**Administrative Systems Management (4)**

Management concepts and applications for the administrative services provided a company. Course uses a behavioral approach to managing word processing, telecommunications, records and information, the environment and human resources. Largest emphasis is on managing records and information.

BUED 399**Directed Study (1-5)****BUED 475**

WINTER

Methods of Teaching Basic Business, Accounting, and Marketing (4)

Prerequisites: EDUC 341, ACCT 252 or 351, MKTG 310. Materials, methods and techniques of teaching basic business subjects, marketing and accounting.

BUED 476

WINTER

Methods of Teaching Keyboarding and Microcomputer Applications (4)

Prerequisites: EDUC 341, MISC 370, 373, 374. Materials, methods and techniques of teaching keyboarding and microcomputer applications.

BUED 499**Directed Study (1-5)**

Career and Technical Education Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

CTED 300**Introduction to Plan 2 Career and Technical Education (4)**

Prerequisite: Acceptance into the CTE Plan 2 program.

This course is an introduction to the elements of Career and Technical Education (formerly "vocational") and, specifically, business/industry route certification (Plan 2). Required for Plan 2 students, this course also includes current components of education in Washington state and the nation, and their implications for Career and Technical Education.

CTED 301

WINTER

Philosophy of Vocational Education (4)

Prerequisite: Junior standing or permission of the instructor. Study of the role of vocational education in the American education system at all levels including philosophy and purpose, state and federal legislative acts, alternative delivery systems and their components, certification standards and funding alternatives.

CTED 375

FALL/WINTER/SPRING/SUMMER

Safety and Industrial Hygiene (1)

Graded Pass/No Credit.

Current national and state laws concerning industrial safety, nature and causes of accidents, and the maintenance of a safe work environment.

CTED 399

SPRING

Directed Study (1-5)**CTED 474****ADMINISTRATION OF WORK-BASED EDUCATION (4)**

Prerequisite: Junior standing.

Operational procedures for conducting work-based learning environments. Includes occupational analysis techniques, school-to-work partnerships and linking classroom learning to the workplace.

CTED 499**DIRECTED STUDY (1-5)**

Decision Science Courses

DSCI courses numbered 400 and higher have restricted enrollment. See Business Administration "Course Enrollment Policies."

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

DSCI 245**Data Analysis for Business (4)**

FALL/WINTER/SPRING

Prerequisites: Completion of University computer literacy competency and completion of a math course that satisfies math proficiency (MATH 200 is highly recommended). An introduction to decision making in the business environment using statistical and data analysis procedures. Computer software is used extensively. Both written and oral presentation skills are emphasized as a means to incorporate analysis results into the decision making process. Topical coverage includes discrete and continuous probability distributions, sampling distributions, estimation and hypothesis testing.

DSCI 303**Applications of Statistics I (4)**

FALL/WINTER/SPRING/SUMMER

May be substituted for DSCI 245; credit is not granted for both DSCI 245 and 303. Prerequisites: Junior standing, completion of the University computer literacy competency and completion of a math course that satisfies math proficiency (MATH 200 is highly recommended). An introduction to statistical concepts and their use in practical organizational situations.

DSCI 346**Advanced Data Analysis for Business (4)**

FALL/WINTER/SPRING

Course fee.

Prerequisite: Completion of University computer literacy competency and completion of math courses that satisfies math proficiency (MATH 200 is highly recommended), and DSCI 245 or 303 or equivalent.

This course offers an in-depth study of decision making in the business environment using statistical and data analysis procedures. Statistical methods used in decision making include chi-square tests, analysis of variance, correlation, simple and multiple regression, time series analysis and forecasting. Computer software is used extensively for both analysis and presentation. Case studies are used to integrate statistical methods with problem solving and communication skills.

DSCI 399**Directed Study (1-5)**

DSCI 446**Business Forecasting (4)**

Prerequisite: DSCI 346 or equivalent or permission of the instructor.

Integrates several forecasting models with applications to managerial techniques. Topics include regression, multiple regression, time series analysis, autocorrelation, econometric models, exponential smoothing, autoregressive models, adaptive filtering, Box Jenkins methods and survey techniques. The computer is employed to develop meaningful forecasts for management.

DSCI 447**Design of Experiments (4)**

Prerequisite: DSCI 346 or equivalent or permission of the instructor.

An in-depth study of quantitative business analysis techniques in a variety of organizational environments. Emphasizes the use of the computer and a discussion of quality in the organizational setting.

DSCI 448**Business Simulation (4)**

Prerequisite: DSCI 346 or equivalent or permission of the instructor.

Probabilistic models in decision science, with emphasis on discrete event simulation.

DSCI 499**Directed Study (1-5)**

Finance Courses

Finance courses numbered 300 and higher have restricted enrollment. See Business Administration "Course Enrollment Policies."

Terms offered: *If no terms are indicated, check with department or quarterly course announcement.*

FINC 335**Financial Management (4)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: (MATH 200 or equivalent) and DSCI 245 and ACCT 251 and (either ECON 200 or ECON 201) and the University Computer Literacy Requirement.

The application of basic theory and analytical techniques to financial decision making and in particular capital budgeting. Emphasizes the time value of money and capital budgeting. Discusses capital structure and the risk-return trade off as they relate to the cost of capital, securities valuation and capital budgeting.

FINC 399**Directed Study (1-5)****FINC 431****Investments (4)**

FALL/WINTER/SPRING

Prerequisite: FINC 335.

Examines principles of investments valuation; objectives and risks involved; sources of relevant information. Security analysis and investment timing in a portfolio management framework.

FINC 432**Insurance and Risk (5)**

Prerequisite: ECON 200 or instructor permission.

This course examines the principles of insurance and ways of managing risk. It includes discussion of the development and forms of private and social insurance programs. (Cross-listed ECON 445)

FINC 433**Bank Financial Management (4)**

Prerequisites: FINC 335, ECON 444.

An examination of financial and strategic decisions facing the individual bank. Includes asset and liabilities portfolio composition, lending policies, securities management, liabilities management and capital structure. Focus is on commercial banks but course is applicable to thrift institutions.

FINC 434**Financial Derivatives (4)**

FALL/WINTER/SPRING

Prerequisite: FINC 335

Provides an in-depth background to various financial derivatives including futures, options, swaps, securitized securities and collateralized mortgage obligations. Discusses concepts related to the operation of financial derivatives including marketing to market and clearing corporations.

FINC 435**Capital Budgeting and Long-Term Financing (4)**

FALL/WINTER/SPRING

Prerequisite: FINC 335.

Provides in-depth background and skill development for capital budgeting and long-term financial decision-making. Emphasis on discounted cash flow analysis using computer spreadsheets. Discusses capital structure, dividend policy, cost of capital and risk analysis. Also covers long-term financing issues of a business or corporation. Uses cases, computer simulations and other analytical techniques.

FINC 474**International Finance (5)**

Prerequisites: ECON 200 and 201, FINC 335 or instructor permission.

The material in this course develops a general framework to analyze international financial markets, exchange rates, exchange rate derivatives and open macroeconomic economies.

(Cross-listed ECON 474, IBUS 474)

FINC 495**Internships (1-5)****FINC 498****Seminar (1-5)****FINC 499****Directed Study (1-5)**

Human Resource Management Courses

Human Resource courses numbered 300 and higher have restricted enrollment. See Business Administration "Course Enrollment Policies."

Terms offered: *If no terms are indicated, check with department or quarterly course announcement.*

HUMR 328**Personnel Management (4)**

FALL/WINTER/SPRING

Prerequisite: Junior standing.

Major tasks performed by the typical, general personnel manager. Time is scheduled for consideration of those tasks as found and anticipated in past, present and future working environments. Special attention is given to current problems and practices.

HUMR 427**Compensation Administration (4)**

FALL/WINTER/SPRING

Prerequisite: HUMR 328.

Part I consists of an analysis of the theoretical concepts, practical techniques and criteria commonly recognized in the development and control of various compensation models. Part II is the application (field study) of selected concepts, techniques and criteria considered appropriate for the solutions to local work place compensation problems.

HUMR 429**Personnel Problems (4)**

FALL/WINTER/SPRING

Prerequisite: HUMR 328.

Analyses of selected major problems confronted in human resource management.

HUMR 495**Internships (1-5)****HUMR 498****Seminar (1-5)****HUMR 499****Directed Study (1-5)**

International Business Courses

International Business courses numbered 300 and higher have restricted enrollment. See Business Administration "Course Enrollment Policies."

Terms offered: *If no terms are indicated, check with department or quarterly course announcement.*

IBUS 470**International Business Management (4)**

FALL

[satisfies international studies university graduation requirement.]

Prerequisite: Junior standing.

Analysis of the impact of international business variables on global organizations and the impact of these organization on the societies in which they operate. (Cross-listed MGMT 470)

IBUS 471**Multinational People Management (4)**

SPRING

[satisfies international studies university graduation requirement.]

Prerequisite: Junior standing.

A systems approach to multinational human resource management incorporating three interrelated subsystems: internal (the multinational company), external (the nation state) and the individual (the manager) in a cross-cultural context. (Cross-listed MGMT 471)

IBUS 472**Global Marketing Management (4)**

SPRING

Prerequisite: IBUS/MGMT 470 or MKTG 310.

A practical approach to understanding the implications to marketing functions that result from competing in a global marketplace. Marketing function differences and similarities are explored across national borders and cultures. (Cross-listed MKTG 472)

IBUS 474**International Finance (5)**

Prerequisites: ECON 200 and 201, FINC 335 or instructor permission.

The material in this course develops a general framework to analyze international financial markets, exchange rates, exchange rate derivatives and open macroeconomic economies.
(Cross-listed ECON 474, FINC 474)

Management Courses

Management courses numbered 400 and higher have restricted enrollment. See Business Administration "Course Enrollment Policies."

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

MGMT 120**The World of Business (5)**

Not open to upper-division business administration majors. Surveys the basic roles and functions performed by business firms in modern free enterprise societies.

MGMT 326**Organization Theory and Behavior (4)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: Junior standing.

Explores the nature of human behavior in organizations as well as the structural effects of change. Application to the management of human resources is provided. A conceptual foundation is applied to practical situations throughout the course.

MGMT 399**Directed Study (1-5)****MGMT 422****Entrepreneurship (4)**

FALL/SPRING

Prerequisite: Junior standing.

A study of entrepreneurial qualities and methods used to start and expand business ventures. Maximum flexibility is used to allow students to pursue individual interests. Marketing and accounting background helpful.

MGMT 423**Business and Society (4)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: MGMT 326, senior standing.

Study of the interrelations between business and its external environment, focusing on the social, political and legal interactions. Review of critical managerial issues from historical, theoretical and ethical perspectives and their impact on organizations.

MGMT 424**Equity and Equality in the Workplace (3)**

Prerequisite: ENGL 201.

This course examines feminist theory, the law and business management theories as they apply to equality and equity in the workplace. The course is an integrated approach to business and gender issues.
(Cross-listed WMST 424)

MGMT 470**International Business Management (4)**

FALL

[satisfies international studies university graduation requirement.]

Prerequisite: Junior standing.

Analysis of the impact of international business variables on global organizations and the impact of these organizations on the societies in which they operate. (Cross-listed IBUS 470)

MGMT 471**Multinational People Management (4)**

SPRING

[satisfies international studies university graduation requirement.]

Prerequisite: Junior standing.

A systems approach to multinational human resource management incorporating three interrelated subsystems: internal (the multinational company), external (the nation state) and individual (the manager) in a cross-cultural context.
(Cross-listed IBUS 471)

MGMT 480**Organizational Leadership (4)**

Prerequisite: MGMT 326.

This seminar examines the various leadership styles in organizations. Students investigate and develop leadership profiles of past, present and future leaders. Project teams develop a video profile and case of a specific organization.

MGMT 490**Department Senior Capstone: (4)****Administrative Policies or Small Business Administration and Policy**

[satisfies senior capstone university graduation requirement.]

FALL/WINTER/SPRING/SUMMER

Prerequisites: ACCT 251, 252, 261; DSCI 245, 346; ECON 200, 201; ENGL 201; FINC 335; MATH 200; MGMT 326; MISC 311; MKTG 310; OPSM 330; MGMT 423 (may be taken concurrently); Computer Literacy I and II and Admission to BAB.

See your major department advisor for the appropriate section number.

MGMT 492**Seminar in Health Services Administration (4)**

Prerequisite: Senior standing.

Provides an overview of the field of Health Services Administration. Utilizes lectures, discussion and student research to explore health care delivery systems, the environment of health care, health services management, human resource management, and health services law and insurance.

MGMT 495**Internships (1-15)****MGMT 498****Seminar (1-5)****MGMT 499****Directed Study (1-5)**

Management Information System Courses

MIS courses numbered 312 and higher have restricted enrollment. See Business Administration "Course Enrollment Policies."

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

MISC 311**Information Technology in Business (4)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: Junior standing, completion of University competencies and proficiencies.

Provides the basic concepts of the use of information technology in business, both globally and locally, to collect, organize, distribute and present information in a business environment. Students will learn how to collect information from external sources, such as libraries and the Internet and from internal functional areas. Productivity tools such as database,

spreadsheets, wordprocessor and presentation software will then be used to consolidate, organize, synthesize, and present the external and internal information to business decision makers.

MISC 312**Management Information Systems (4)**

Prerequisites: Junior level standing and completion of Computer Literacy I and II.

The course is an introduction and overview of the major skills needed in the MIS discipline today. Students study the major information systems of business organizations with emphasis on the topics of database management, fundamentals of program design, web design considerations and an introduction to systems analysis and design. The dynamic interrelationship between transaction processing systems, databases and management reporting systems is explored via "hands on" projects. Also examined are management's responsibilities in assuring successful systems upgrades, information security and methodologies for measuring a system's efficiency and effectiveness.

MISC 370**Multimedia Production of Business Documents (4)**

Prerequisites: MISC 311 or equivalent and BUED major, or permission of the instructor.

Learning advanced applications of word processing, presentation, and multimedia software to design formal and technical reports and presentations, correspondence, newsletters, brochures, forms, charts and graphics. Emphasis is on problem-solving ability to convert raw data into acceptable form using the computer, the Internet and additional multimedia.

MISC 371**Business Applications Program Design (4)**

Prerequisite: MISC 311 or CSCD 211 or permission of the instructor.

This course provides a thorough coverage of the program design and development process. The student will develop algorithmic solutions to a variety of business computer applications using a number of logic tools for programming and documentation. A high level programming language is used to illustrate the logic and structure of common business applications.

MISC 372**Data Communications and Networking Fundamentals (4)**

Prerequisite: MISC 311 or equivalent.

A general introduction to current technology for local area networks (LAN), wide area networks (WAN) and the Internet.

MISC 373**Business Database Application (4)**

Prerequisite: MISC 311 or CSCD 211 or permission of the instructor.

This course provides an in-depth study of theory and applications of databases. Emphasis is on the design of flexible databases to meet business information requirements. Topics include database concepts, data modeling, data dictionary, database models, database design, data integrity and managerial considerations.

MISC 374**Spreadsheet Modeling for Business Applications (4)**

Prerequisite: MISC 311 or CSCD 211 or permission of the instructor.

Problem solving and data modeling of business applications utilizing spreadsheet software. Graphics, file management and proper spreadsheet organization topics are covered as well as use of macros for development of user-friendly applications.

MISC 375**Expert Systems Applications in Business (4)**

Prerequisite: MISC 311 or CSCD 211 or permission of the instructor.

Introduction to expert systems design and implementation. Topics covered include the study of existing successful applications, the techniques of knowledge representation and a review of knowledge engineering methodologies and languages. Students build a model expert system using a microcomputer-based expert system software package.

MISC 380**Business Computer Programming (4)**

Prerequisite: MISC 311 or CSCD 211 or permission of instructor.

Algorithmic solutions to business data processing applications are implemented in a high-level programming language. The use of basic sequential file algorithms and table structures to solve programming tasks is emphasized. Top-down design and structured programming techniques are employed.

MISC 399**Directed Study (1-5)****MISC 481**

FALL/WINTER

Systems Analysis and Design (4)

Prerequisites: MISC 312, 371 (or CSCD 350) and MISC 373 (or CSCD 425) or permission of the instructor.

This course involves the analysis and design of business systems. It includes the structure and life cycle of systems. The methodology of systems studies and the use of computer aided software engineering (CASE) tools are emphasized. Systems studies are undertaken utilizing cases and actual business systems projects.

MISC 482

WINTER/SPRING

Systems Project (4)

Prerequisite: MISC 481 or permission of the instructor.

This is the capstone course for MIS majors. Emphasis is on solving an information systems problem using project management and information systems methodologies. Students will develop a computer information system through the use of CASE tools. Interactive and prototyping approaches to system development are investigated and employed. In addition, students will acquire additional knowledge in planning, managing and presenting a systems project.

MISC 483**Information Systems Management (4)**

Prerequisite: MISC 312 or CSCD 211 or permission of the instructor.

A study of the information systems management function within an organization, how it is organized, what functions are performed, where it reports to top management, how policies are established for the organization for computing facilities and how computer decisions affect the entire organization.

MISC 484**Advanced Business Programming (4)**

Prerequisite: MISC 380 or permission of the instructor.

Third and/or fourth generation languages are employed to provide practical experience with advanced programming concepts. Covers structured design concepts, tables and other data structures, various file organization methodologies and interactive programming techniques.

MISC 485

SPRING

Advanced Database Applications**Development (4)**

Prerequisite: MISC 373 or permission of the instructor.

This course is to continue previous learning in business applications of databases. The course stresses application development through fourth generation programming techniques. The course is designed to take advantage of advanced capabilities in current database management systems. Emphasis is on the design and implementation of business database applications. Topics include data modeling, database design, database implementation, report design, form design, application design, security, backup and recovery and multi-user databases.

MISC 486**Business Applications of Fourth Generation Languages (4)**

Prerequisite: MISC 371 or CSCD 211 or permission of the instructor.

This course is designed to give the student an overview of fourth generation languages from the perspectives of appropriate uses, design techniques and productivity optimization. Among the topics to be covered are: descriptions and definitions of fourth generation languages, overview of the range and scope of fourth generation languages, design techniques for fourth generation applications and employment of a database management system and a data dictionary directory system with fourth generation languages.

MISC 495**Internships (1-15)****MISC 498****Seminar (1-5)****MISC 499****Directed Study (1-5)**

Marketing Courses

Marketing courses numbered 316 and higher have restricted enrollment. See Business Administration "Course Enrollment Policies."

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

MKTG 310**Principles of Marketing (4)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: Junior standing.

An introduction to marketing. The marketing mix: product offering, supply chain management, pricing, promotion and introduction to buyer behavior.

MKTG 316**Personal Selling (4)**

Prerequisite: MKTG 310.

This course examines the dynamics of the selling process from a behavioral and managerial approach. Communication theory and the psychology of sales theory are integral components of study.

MKTG 399**Directed Study (1-5)****MKTG 400****Buyer Behavior (4)**

FALL/WINTER/SPRING

Prerequisite: MKTG 310.

Study of the buyer decision-making process, both consumer and industrial, for the purpose of planning and implementing successful marketing strategies. Includes an examination of both the internal psychological and external sociological factors influencing the decision-making process, and how these factors relate to strategic marketing decisions such as product development, segmentation and positioning.

MKTG 411**Marketing Research (4)**

FALL/WINTER/SPRING

Prerequisites: MKTG 310 and DSCI 346.

A practical and theoretical approach to understanding and applying the procedures and methods used in collecting and analyzing market information for managerial decision-making. Topics include research design, data collection, sampling, questionnaire design, qualitative research methods, processing and interpreting data, and presentation of findings. An applied approach provides practical application of methods studied.

MKTG 412**Marketing Management (4)**

FALL/WINTER/SPRING

Prerequisites: MKTG 400 and 411.

An exploration of key marketing management variables such as buyer behavior, market segmentation and product positioning, product policy, pricing, distribution, promotion and market research in the contexts of strategy development, decision making, implementation and control.

MKTG 413**Integrated Marketing Communications (4)**

Prerequisite: MKTG 310.

A practical and theoretical approach to understanding communications theory and how advertising, sales promotion, public relations and direct marketing are designed and used by organizations in communicating with various publics.

MKTG 414**Retail Management (4)**

Prerequisite: MKTG 310.

A study of the strategies used by retailers as critical members of a supply chain. The relationships among store organization, human resource management, and the retail strategies used by various types of retail outlets are investigated. Merchandising policies (buying, selling, stock control and management), various control strategies, promotion and public relations activities are also covered.

MKTG 416**Sales Force Management (4)**

Prerequisite: MKTG 310.

This course covers the concepts and theories associated with planning, organizing, evaluating, controlling and managing a professional sales force.

MKTG 417**Marketing Analysis (4)**

FALL/WINTER/SPRING

Prerequisite: MKTG 412.

Strategical analysis of managerial marketing issues involving market trends, marketing research, product planning, distribution channels, pricing, promotion, social trends and the influence marketing strategy has on society.

MKTG 444**Applied Promotion (4)**

Prerequisite: MKTG 310.

This course involves students in the research, planning, implementation and evaluation of a promotional event for a local business or organization. A variety of marketing principles are applied in a hands-on real world experience.

MKTG 472**Global Marketing Management (4)**

SPRING

Prerequisite: IBUS/MGMT 470 or MKTG 310.

A practical approach to understanding the implications to marketing functions that result from competing in a global marketplace. Marketing function differences and similarities are explored across national borders and cultures. (Cross-listed IBUS 472)

MKTG 495**Internships (1-5)****MKTG 498****Seminar (1-5)****MKTG 499****Directed Study (1-5)**

Marketing Education Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

MKED 399**Directed Study (1-5)****MKED 475****Methods of Teaching Distributive Education (3)**

Prepares prospective teacher-coordinators for effective classroom teaching. The course includes lecture methods, individual instruction, role playing, creative projects and effective problem-solving.

MKED 499**Directed Study (1-5)**

Operations Management Courses

Operations Management courses numbered 300 and higher have restricted enrollment. See Business Administration "Course Enrollment Policies."

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

OPSM 330**Operations Management (4)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: DSCI 245, Computer Literacy.

An integrating study focusing upon the models and methods of production and operations management. Managerial approaches to planning, scheduling and controlling both product and service. Tools include process analysis, plant location, plant layout, capacity planning, inventory control, forecasting, materials requirements planning, PERT/CPM and quality control. Also studies computer-based operations control systems applicable to the above topics.

OPSM 425**Operations Management Analysis (4)**

WINTER

Prerequisite: OPSM 330.

The application of analytical techniques and concepts to the analysis of representative problems facing the operations manager.

OPSM 428**Materials Management (4)**

FALL

Prerequisite: Senior standing or permission of the instructor.

Objectives and methodology of industrial, institutional, and governmental purchasing agents and material managers, emphasizes inventory control systems, product quality control, maintenance of operating efficiency and analysis of competitive price quotations.

OPSM 441**Problems in Operations (4)**

SPRING

Prerequisite: OPSM 330.

The application of the case method approach to operations problems and their solution by the use of quantitative techniques and quality management principles.

OPSM 495**Internships (1-5)****OPSM 498****Seminar (1-5)****OPSM 499****Directed Study (1-5)**

Professional Training and Development Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

PTED 499**Directed Study (1-5)**

THE FOLLOWING PROFESSIONAL TRAINING, EDUCATION AND DEVELOPMENT COURSES ARE NOT PART OF THE MBA PROGRAM

PTED 505**Instructional Strategies in Training and Development (4)**

Specific instructional strategies in training and development are investigated in this course. The training and development director's role and job are included.

PTED 510**Designing Training and Development Programs (4)**

This course deals with the technology, management and design of training and development systems in business, industry and public service organizations. Includes the planning, organizing, leading and evaluating of training and development systems in relation to theory and practice.

PTED 522**Administration of Training and Development Systems (4)**

Business, industry and public service organizations invest a great deal of financial and human resources into the training and development of their work force. This course includes the administration and supervision of these resources as they relate to productivity.

BUSINESS EDUCATION

See BUSINESS ADMINISTRATION

CHEMISTRY AND BIOCHEMISTRY

College of Science, Health and Engineering
Ken Raymond, Chair
226 Hall of Sciences
(509) 359-2447

BA, BAE

BS

Minors

General Science Endorsement

Faculty: P. Bilous, J. Corkill, J. Gallagaber, C. Kinney, D. Love, J. Manson, E. McGoran, R. McRae, A. Oertling, J. Rabn, K. Raymond, P. Ritter, J. Small, P. Venkatassan

UNDERGRADUATE PROGRAMS

Chemistry occupies a unique position within the modern sciences. Ultimately, most of the phenomena in the biological, geological, physical, environmental and medicinal sciences can be expressed in terms of the chemical and physical behavior of atoms and molecules. Because of chemistry's key role, majors in chemistry and biochemistry are well prepared to pursue careers in a wide variety of allied fields, as well as in chemistry.

The department's baccalaureate programs prepare students for careers in chemical analysis and research, biochemical research, biotechnology, medicine and related fields, dentistry, pharmacy, nutrition, pharmaceuticals, food processing, technical service, product development, sales, technical management, forensic and environmental science and education. The department's professional and environmental BS options are approved by the American Chemical Society and the ACS certifies graduates with these options.

The department offers programs leading to the Bachelor of Arts and the Bachelor of Science. The BS degrees are recommended for students planning professional careers in chemistry or related areas, while the BA degrees are recommended for students with other career goals.

The options available in the Department of Chemistry and Biochemistry allow students to tailor their degree program to their career interests and objectives. Employment opportunities are enhanced by additional preparation in departments such as Biology, Business, Computer Science, Mathematics, Physics and Technology.

Students majoring in chemistry have the opportunity to learn and work with the department's wide variety of modern chemical instrumentation. In addition, faculty work closely with students in carrying out undergraduate and graduate research projects. As a result, our graduates are normally capable of working with: gas and liquid chromatographs; ultra-violet, visible, infra-red, and atomic absorption spectrophotometers; nuclear magnetic resonance spectrometers; liquid scintillation counters; and a variety of modern electroanalytical instruments. Students have an early introduction to modern scientific equipment and contemporary computer methods. Upon graduation they are knowledgeable, experienced and independent laboratory workers.

General Admissions Requirements for Chemistry and Biochemistry: Those students who consider majoring in Chemistry and Biochemistry should complete a high school chemistry course and mathematics courses through precalculus.

General Admissions Requirements for Transfer Students: Students transferring from other institutions, including community colleges, are urged to consult with one of the Chemistry/Biochemistry departmental advisors in order to plan their Eastern program of study.

Admissions Requirements for Chemistry Majors: Chemistry courses must

be taken in proper sequence and with certain prerequisites satisfied. It is essential that chemistry majors start their freshman year with CHEM 151, 152, and 153. The physics and mathematics supporting courses also must be started without delay. Students should complete MATH 161, 162, and 163 their first year. PHYS 151, 152 and 153 or PHYS 131, 132 and 133 and the lab courses PHYS 161, 162 and 163 should be completed prior to the junior year. Completion of a computer programming course is suggested prior to taking CHEM 431. Those planning graduate study are urged to complete two years of a modern foreign language since this is required by most graduate schools. Each student will be assigned an advisor who should be consulted on all matters pertaining to his or her program.

Academic Policy: Due to the cumulative nature of chemistry courses, the department strongly recommends that a student should have received at least a 2.0 in all prerequisite chemistry courses. A student not meeting this recommendation might benefit from meeting with an academic advisor.

Information Regarding Pre-Pharmacy School Courses: Students seeking course work in this pre-professional program should contact the Chemistry Department to obtain early advice concerning their program curriculum, application procedures, professional aptitude examinations and letters of recommendation.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)

Chemistry/Biochemistry Major with Business Option (104-107 credits)

Business: This degree is suited for those who plan to go into careers such as technical sales, chemical literature, food processing, chemical patent law, forensic sciences and environmental law. This program features less concentration in chemistry than the bachelor of science and is not intended to prepare students for employment as a professional chemist.

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses

- CHEM 151 General Chemistry (5)
 - CHEM 152 General Chemistry (5)
 - CHEM 153 General Chemistry (5)
 - CHEM 304 Quantitative Analysis (6)
 - CHEM 351 Organic Chemistry (4)
 - CHEM 352 Organic Chemistry (4)
 - CHEM 372 Organic Chemistry Lab I (3)
 - CHEM 421 Physical Chemistry (4)
 - CHEM 422 Physical Chemistry (3)
 - CHEM 431 Physical Chemistry Lab (1)
 - CHEM 491 Senior Thesis (4-6)
 - ACCT 251 Principles of Financial Accounting (5)
 - ACCT 252 Principles of Managerial Accounting (4)
 - ACCT 261 Business Law (4)
 - DSCI 245 Data Analysis for Business (4)
 - ECON 200 Introduction to Microeconomics (5)
 - ECON 201 Introduction to Macroeconomics (5)
 - MGMT 120 The World of Business (5)
 - or MGMT 326 Organization Theory and Behavior (4)¹
- Select one of the following after completion of the seven business-oriented courses listed above: 4 credits. Students will meet the requirements of a Business Administration minor.**
- ACCT 454 Federal Income Tax I (4)
 - FINC 335 Financial Management (4)
 - HUMR 328 Personnel Management (4)
 - MISC 311 Information Technology in Business (4)
 - MGMT 326 Organization Theory and Behavior (4) *May not be used as both a requirement and an elective.* See MGMT 120 above.
 - MGMT 470 International Business Management* (4)
 - MKTG 310 Principles of Marketing (4)
 - OPSM 330 Operations Management (4)

Required Supporting

- MATH 161 Calculus I (5)
- MATH 162 Calculus II (5)
- PHYS 131 Introductory Physics I (4)
- PHYS 132 Introductory Physics II (4)
- PHYS 133 Introductory Physics III (4)

or

PHYS 151 General Physics I (4)
 PHYS 152 General Physics II (4)
 PHYS 153 General Physics III (4)
 PHYS 161 Mechanics Lab (1)
 PHYS 162 Heat and Optics Lab (1)
 PHYS 163 Instrumentation I (1)

Required program credits 79–82 credits
Required supporting credits 25 credits
Minimum total credits for above major 104 credits

Note: A minor is advised but not required with the above degree option.

**Meets International Studies graduation requirement.*

Chemistry/Biochemistry Major with General Option (75–77 credits)

General: This program features less concentration in chemistry than the bachelor of science and is not intended to prepare students for employment as a professional chemist.

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses

CHEM 151 General Chemistry (5)
 CHEM 152 General Chemistry (5)
 CHEM 153 General Chemistry (5)
 CHEM 304 Quantitative Analysis (6)
 CHEM 351 Organic Chemistry (4)
 CHEM 352 Organic Chemistry (4)
 CHEM 372 Organic Chemistry Lab I (3)
 CHEM 421 Physical Chemistry (4)
 CHEM 422 Physical Chemistry (3)
 CHEM 431 Physical Chemistry Lab (1)
 CHEM 432 Physical Chemistry Lab (2)
 CHEM 491 Senior Thesis (4–6)

Required Supporting Courses

MATH 161 Calculus I (5)
 MATH 162 Calculus II (5)
 PHYS 131 Introductory Physics I (4)
 PHYS 132 Introductory Physics II (4)
 PHYS 133 Introductory Physics III (4)

or

PHYS 151 General Physics I (4)
 PHYS 152 General Physics II (4)
 PHYS 153 General Physics III (4)
 PHYS 161 Mechanics Lab (1)
 PHYS 162 Heat and Optics Lab (1)
 PHYS 163 Instrumentation Lab I (1)

Electives

Select 4 credits from the 300-level or above Chemistry and Biochemistry courses (exclusive of CHEM 390)

Suggested Supporting Course (5 credits)

Completion of a computer programming course is strongly recommended.
 (See your chemistry/biochemistry advisor.)

Required program credits 46–48 credits
Required supporting credits 25 credits
Elective credits 4 credits
Minimum total credits for above major 75 credits
Suggested supporting credits 5 credits

Note: A minor is advised but not required for the above option.

Bachelor of Arts in Education (BAE)

Chemistry/Biochemistry/Secondary Major (76 credits)

This major satisfies the endorsement for grades 5–12.

Required Courses

CHEM 151 General Chemistry (5)
 CHEM 152 General Chemistry (5)
 CHEM 153 General Chemistry (5)
 CHEM 304 Quantitative Analysis (6)
 CHEM 316 Environmental Chemistry (5)
 CHEM 351 Organic Chemistry (4)
 CHEM 352 Organic Chemistry (4)
 CHEM 372 Organic Chemistry Lab I (3)
 CHEM 421 Physical Chemistry (4)
 CHEM 422 Physical Chemistry (3)
 CHEM 480 Biochemistry (5)
 CHEM 390 Chemistry Methods for the Secondary School (1)
 SCED 390 Secondary Science Teaching Methods (1)

Required Supporting Courses

MATH 161 Calculus I (5)
 MATH 162 Calculus II (5)
 PHYS 131 Introductory Physics I (4)
 PHYS 132 Introductory Physics II (4)
 PHYS 133 Introductory Physics III (4)

or

PHYS 151 General Physics I (4)
 PHYS 152 General Physics II (4)
 PHYS 153 General Physics III (4)
 PHYS 161 Mechanics Lab (1)
 PHYS 162 Heat and Optics Lab (1)
 PHYS 163 Instrumentation Lab I (1)

Required program credits 51 credits
Required supporting credits 25 credits
Credits for above major 76 credits

Professional Education Requirements/ Secondary Education: 46–47 credits

See the Department of Education section of this catalog. Prerequisites may also apply.

**Minimum total credits for above major and
professional education** 122 credits

Note: A minor is advised but not required for the above option.

Bachelor of Science (BS)

The bachelor of science majors are specifically recommended for students planning to go directly into governmental or industrial chemistry or related areas, and for those who wish to pursue graduate work in chemistry or related fields.

Chemistry/Biochemistry Major with Biochemistry Option (119–121 credits)

This program is recommended for students planning to go directly into professional fields of biochemistry, for students planning to attend graduate school in biochemistry, molecular biology or pharmacology, and for students planning to enter professional schools such as medicine, veterinary science or pharmacy.

Required Courses

CHEM 151 General Chemistry (5)
 CHEM 152 General Chemistry (5)
 CHEM 153 General Chemistry (5)
 CHEM 304 Quantitative Analysis (6)
 CHEM 351 Organic Chemistry (4)
 CHEM 352 Organic Chemistry (4)
 CHEM 353 Organic Chemistry (3)
 CHEM 372 Organic Chemistry Lab I (3)
 CHEM 421 Physical Chemistry (4)
 CHEM 422 Physical Chemistry (3)
 CHEM 423 Physical Chemistry (3)
 CHEM 431 Physical Chemistry Lab (1)
 CHEM 480 Biochemistry (5)
 CHEM 481 Intermediary Metabolism (5)
 CHEM 482 Integrated Topics in Biochemistry and Biophysics (3)
 CHEM 483 Biochemistry Lab (2)
 CHEM 491 Senior Thesis (4–6)

Select one of the following four courses: 4 credits

CHEM 395 Internships (Var)
 CHEM 454 Clinical Chemistry (4)
 CHEM 498 Seminar (Var)
 CHEM 499 Directed Study (Var)

Required Supporting Courses

BIOL 171 Biology I (4)
 BIOL 172 Biology II (4)
 BIOL 173 Biology III (4)
 BIOL 270 Biological Investigation (3)
 BIOL 301 Microbiology (5)
 MATH 161 Calculus I (5)
 MATH 162 Calculus II (5)
 MATH 163 Calculus III (5)
 PHYS 151 General Physics I (4)
 PHYS 152 General Physics II (4)
 PHYS 153 General Physics III (4)
 PHYS 161 Mechanics Lab (1)
 PHYS 162 Heat and Optics Lab (1)
 PHYS 163 Instrumentation Lab I (1)

Suggested Supporting Course: (5 credits)

Completion of a computer programming course is strongly recommended.
 (See your chemistry/biochemistry advisor.)

Required program credits	69–71 credits
Required supporting credits	50 credits
Minimum total credits for above major	119 credits
Total suggested supporting credits	5 credits

Chemistry/Biochemistry Major with Biochemistry/Biotechnology Option (135–138 credits)

Chemistry and biology as well as biochemistry and molecular biotechnology classes introduce students to DNA cloning, cell hybridization, enzyme technology and fermentation. Student placement in technical, professional or commercial settings is intended.

Required Courses

CHEM 151 General Chemistry (5)
 CHEM 152 General Chemistry (5)
 CHEM 153 General Chemistry (5)
 CHEM 304 Quantitative Analysis (6)
 CHEM 351 Organic Chemistry (4)
 CHEM 352 Organic Chemistry (4)
 CHEM 372 Organic Chemistry Lab I (3)
 CHEM 420 Instrumental Analysis (5)
 CHEM 421 Physical Chemistry (4)
 CHEM 422 Physical Chemistry (3)
 CHEM 431 Physical Chemistry Lab (1)
 CHEM 432 Physical Chemistry Lab (2)
 CHEM 480 Biochemistry (5)
 CHEM 481 Intermediary Metabolism (5)

Required Supporting Courses

BIOL 171 Biology I (4)
 BIOL 172 Biology II (4)
 BIOL 173 Biology III (4)
 BIOL 270 Biological Investigation (3)
 BIOL 301 Microbiology (5)
 BIOL 310 Fundamentals of Genetics (5)
 BIOL 485 Molecular Biotechnology (5)
 BIOL 486 Molecular Biotechnology (5)
 BIOL 488 Molecular Biotechnology Lab (2)
 BIOL 489 Molecular Biotechnology Lab (2)
 MATH 161 Calculus I (5)
 MATH 162 Calculus II (5)
 PHYS 131 Introductory Physics I (4)
 PHYS 132 Introductory Physics II (4)
 PHYS 133 Introductory Physics III (4)
 PHYS 161 Mechanics Lab (1)
 PHYS 162 Heat and Optics Lab (1)
 PHYS 163 Instrumentation Lab I (1)

Select one of the following courses: 5 credits

BIOL 302 Botany (5)
 BIOL 303 Invertebrate Zoology (5)
 BIOL 304 Vertebrate Zoology (5)

Select one of the following courses: 4–6 credits

BIOL 490 Dept. Senior Capstone: Integrated Studies in Physiology-Plant (5)
 BIOL 490 Dept. Senior Capstone: Integrated Studies in Physiology-Microbial (5)
 BIOL 490 Dept. Senior Capstone: Integrated Studies in Physiology-Animal (5)
 CHEM 491 Senior Thesis (4–6)

Select one of the following courses: 5–6 credits

Completion of a computer programming course is required.
 (See your chemistry/biochemistry advisor.)

Required program credits	57 credits
Required supporting credits	78–81 credits
Minimum total credits for above major	135 credits

Note: Chemistry majors completing BIOL 490 do not need to take CHEM 491 for graduation.

Note: The above option will require more than 12 terms (or 4 years) to complete at an average of 15 credits per term.

Chemistry/Biochemistry Major with Computer Science Option (103–105 credits)

This is a program designed for students planning a career in computational chemistry and related fields. It provides a strong preparation in the practical application of computer technology to the solution of chemical and scientific problems.

Required Courses

CHEM 151 General Chemistry (5)
 CHEM 152 General Chemistry (5)
 CHEM 153 General Chemistry (5)
 CHEM 304 Quantitative Analysis (6)
 CHEM 351 Organic Chemistry (4)
 CHEM 352 Organic Chemistry (4)
 CHEM 372 Organic Chemistry Lab I (3)
 CHEM 418 Modern Analytical Chemistry (5)
 CHEM 421 Physical Chemistry (4)
 CHEM 422 Physical Chemistry (3)
 CHEM 431 Physical Chemistry Lab (1)
 CHEM 432 Physical Chemistry Lab (2)
 CHEM 491 Senior Thesis (4–6)
 CSCD 210 Programming Principles I (5)
 CSCD 211 Programming Principles II (5)
 CSCD 300 Data Structures (4)
 CSCD 305 C++ Programming (4)
 CSCD 470 3D Computer Graphic Principles (4)

Required Supporting Courses

MATH 161 Calculus I (5)
 MATH 162 Calculus II (5)
 MATH 163 Calculus III (5)
 PHYS 151 General Physics I (4)
 PHYS 152 General Physics II (4)
 PHYS 153 General Physics III (4)
 PHYS 161 Mechanics Lab (1)
 PHYS 162 Heat and Optics Lab (1)
 PHYS 163 Instrumentation Lab I (1)

Required program credits	73–75 credits
Required supporting credits	30 credits
Minimum total credits for above major	103 credits

Chemistry/Biochemistry Major with Environmental Option (120–122 credits)

This program is approved by the American Chemical Society and is designed for students pursuing careers in environmental chemistry or related fields. It provides background in the fundamentals of chemistry along with introductory and advanced courses in environmental chemistry. Graduates will emerge prepared for graduate study or a career in industry or government. Students with a broader interest in the field are strongly encouraged to obtain a second major in Environmental Science, enhancing their career options.

Required Courses

CHEM 151 General Chemistry (5)
 CHEM 152 General Chemistry (5)
 CHEM 153 General Chemistry (5)
 CHEM 304 Quantitative Analysis (6)
 CHEM 316 Environmental Chemistry (5)
 CHEM 319 Modern Inorganic Chemistry (5)
 CHEM 351 Organic Chemistry (4)
 CHEM 352 Organic Chemistry (4)
 CHEM 372 Organic Chemistry Lab I (3)
 CHEM 416 Advanced Environmental Chemistry (3)
 CHEM 420 Instrumental Analysis (5)
 CHEM 421 Physical Chemistry (4)
 CHEM 422 Physical Chemistry (3)
 CHEM 431 Physical Chemistry Lab (1)
 CHEM 432 Physical Chemistry Lab (2)
 CHEM 480 Biochemistry (5)
 CHEM 491 Senior Thesis (4–6)¹
 or ENVS 490 Environmental Science Senior Capstone (4)¹

Required Supporting Courses

BIOL 171 Biology I (4)
 BIOL 172 Biology II (4)
 BIOL 173 Biology III (4)
 BIOL 270 Biological Investigation (3)
 MATH 161 Calculus I (5)
 MATH 162 Calculus II (5)
 MATH 163 Calculus III (5)
 PHYS 151 General Physics I (4)
 PHYS 152 General Physics II (4)
 PHYS 153 General Physics III (4)

Electives

Select 9 credits of electives from the following approved cross-disciplinary electives list:

BIOL 301 Microbiology (5)
 BIOL/GEOG 312 Fundamentals of Soil Science (4)
 BIOL 406 Water Pollution Biology (3)
 BIOL 440 Ecology (4)
 BIOL 441 Ecology Lab (2)
 BIOL 442 Conservation Biology (4)
 ECON 457 Natural Resource Economics (5)
 GEOG 305 Introduction to Oceanography (5)
 GEOG 314 Weather and Climate (5)
 GEOG 315 Surface Hydrology (4)
 GEOG 317 Resources and Conservation (3)
 GEOG 325 Wetlands Science I (4)
 GEOG 328 Geographic Information Systems (5)
 GEOG 329 Air Photo Interpretations (5)
 GEOL 220 Environmental Geology (4)
 GEOL 463 Environmental Geochemistry (5)
 GEOL 465 Analysis of Metals in Environmental Samples (5)
 MATH 380 Elementary Probability and Statistics (5)
 PLAN 406 Planning Law and Legislation (4)
 PLAN 430 Environmental Planning (5)
 PLAN 431 Environmental Impact Statements (3)
 SOCI 442 Environmental Sociology (5)
 SOCI 443 Social Impact Assessment (5)

Suggested Supporting Course: (5 credits)

Completion of a computer programming course is strongly recommended.
 (See your Chemistry/Biochemistry advisor.)

Required program credits	69–71 credits
Required supporting credits	42 credits
Elective credits	9 credits
Minimum total credits for above major	120 credits
Suggested supporting credits	5 credits

¹As their senior capstone course, students are **required** to take **either** the Environmental Science course (ENVS 490) or the departmental capstone, Senior Thesis (CHEM 491) with a concentration in the environmental chemistry focus area. Other capstones with environmental themes could be substituted but require **prior** written permission of the Environmental Chemistry advisor. Students are **NOT** required to take two capstones.

Chemistry/Biochemistry Major with Forensic Science Option (151 credits)

The forensic science option prepares students for entry-level positions in state and federal forensic science labs as well as for graduate and professional schools. Competitive internships at regional forensic labs are integrated into the curriculum along with research and independent study. Students must complete 46 hours of specified core courses with a combined average GPA in these classes of 3.0 or better before they are eligible to declare the major. For all internships with law enforcement agencies, students will be required to pass a thorough background check. It is assumed that the student will enter the program ready to take MATH 161. To finish in 4 years, students must take an average load of more than 15 credits per quarter.

Required Chemistry Core Courses

CHEM 140 Criminalistics and Forensic Chemistry (5)¹
 CHEM 151 General Chemistry (5)¹
 CHEM 152 General Chemistry (5)¹
 CHEM 153 General Chemistry (5)¹
 CHEM 304 Quantitative Analysis (6)¹
 CHEM 319 Modern Inorganic Chemistry (5)
 CHEM 351 Organic Chemistry (4)
 CHEM 352 Organic Chemistry (4)
 CHEM 353 Organic Chemistry (3)
 CHEM 372 Organic Chemistry Lab I (3)
 CHEM 373 Organic Chemistry Lab II (3)
 CHEM 420 Instrumental Analysis (5)
 CHEM 421 Physical Chemistry (4)
 CHEM 422 Physical Chemistry (3)
 CHEM 431 Physical Chemistry Laboratory (1)
 CHEM 445 Topics in Forensic Science (5)
 CHEM 450 Advanced Forensic Chemistry (5)
 CHEM 480 Biochemistry (5)
 CHEM 399/495/499 Internship/Research (5)
 CHEM 491 Senior Thesis (5)²

Required Supporting Courses

BIOL 171 Biology I (4)¹
 BIOL 172 Biology II (4)¹
 BIOL 173 Biology III (4)
 BIOL 270 Biological Investigation (3)¹

BIOL 301 Microbiology (5)
 BIOL 310 Fundamentals of Genetics (5)
 BIOL 438 Molecular Biology (5)
 CRIM 300 Introduction to Criminal Justice (5)
 MATH 161 Calculus I (5)¹
 MATH 162 Calculus II (5)
 MATH 380 Elementary Probability and Statistics (5)

Physics courses (select one complete series): (15 credits)

PHYS 131 Introductory Physics I (4)¹
 PHYS 132 Introductory Physics II (4)
 PHYS 133 Introductory Physics III (4)

or

PHYS 151 General Physics I (4)¹
 PHYS 152 General Physics II (4)
 PHYS 153 General Physics III (4)
 PHYS 161 Mechanics Laboratory (1)
 PHYS 162 Heat and Optics Laboratory (1)
 PHYS 163 Instrumentation Laboratory (1)

Suggested Supporting Courses: (5 credits)

CMST 201 Public Speaking (5)
 CRIM 304 Forensic Inquiry (5)
 ENGL 205 Introduction to Technical Communication (5)
 GOVT 306 Basic Concepts of Criminal Law (5)

Required program credits	86 credits
Required supporting credits	65 credits
Total credits for above major	151 credits
Suggested supporting credits	5 credits

¹Must be completed before the student can apply for an internship; combined average GPA of 3.0 or better in these classes is required.

²Students are required to do research on a forensic project and to take it for 5 credits (catalog description states 4–6 credits). Projects must be approved by the forensic science program advisor.

Note: The above option will require more than 12 terms (or 4 years) to complete at an average of 15 credits per term.

Chemistry/Biochemistry Major with Pre-med/Pre-dent/Pre-vet Option (133 credits)

This course of study is recommended for students planning a career in medicine, dentistry or veterinary medicine. The option also satisfies requirements for graduate study in related fields of chemical and biological integration, e.g., medicinal chemistry, pharmacology, etc. With respect to medical/dental/veterinary school, course work outlined for the initial three years is specifically designed to meet basic entrance requirements as well as provide optimum preparation for pre-entrance aptitude examinations (MCAT or DAT or GRE). Additional information can be found under "Pre-professional Programs" in the Fields of Study section of this catalog.

Required Courses

CHEM 151 General Chemistry (5)
 CHEM 152 General Chemistry (5)
 CHEM 153 General Chemistry (5)
 CHEM 304 Quantitative Analysis (6)
 CHEM 351 Organic Chemistry (4)
 CHEM 352 Organic Chemistry (4)
 CHEM 353 Organic Chemistry (3)
 CHEM 357 Neuropharmacology (2)
 CHEM 372 Organic Chemistry Lab I (3)
 CHEM 373 Organic Chemistry Lab II (3)
 CHEM 395 Internships (1)
 CHEM 421 Physical Chemistry (4)
 CHEM 422 Physical Chemistry (3)
 CHEM 431 Physical Chemistry Lab (1)
 CHEM 432 Physical Chemistry Lab (2)
 CHEM 480 Biochemistry (5)
 CHEM 481 Intermediary Metabolism (5)
 CHEM 482 Integrated Topics in Biochemistry and Biophysics (3)
 CHEM 483 Biochemistry Lab (2)
 CHEM 498 Seminar (1)
 BIOL 498 Seminar (1)

Required Supporting Courses

BIOL 171 Biology I (4)
 BIOL 172 Biology II (4)
 BIOL 173 Biology III (4)
 BIOL 270 Biological Investigation (3)
 BIOL 301 Microbiology (5)
 BIOL 302 Botany (5)
 BIOL 304 Vertebrate Zoology (5)
 or BIOL 303 Invertebrate Zoology (5)

BIOL 310 Fundamentals of Genetics (5)
 BIOL 490 Dept. Senior Capstone: Integrated Studies in
 Physiology-Animal (5)
 MATH 161 Calculus I (5)
 MATH 162 Calculus II (5)
 PHYS 131 Introductory Physics I (4)
 PHYS 132 Introductory Physics II (4)
 PHYS 133 Introductory Physics III (4)
 or
 PHYS 151 General Physics I (4)
 PHYS 152 General Physics II (4)
 PHYS 153 General Physics III (4)
 PHYS 161 Mechanics Lab (1)
 PHYS 162 Hear and Optics Lab (1)
 PHYS 163 Instrumentation Lab I (1)

Suggested Supporting Courses

CHEM 454 Clinical Chemistry (4)
 CHEM 499 Directed Study (Var)
 ENGL 205 Introduction to Technical Communication (5)

One of the following courses

Completion of a computer programming course is strongly recommended.
 (See your chemistry/biochemistry advisor.)

Required program credits	68 credits
Required supporting courses	65 credits
Total credits for above major	133 credits
Minimum suggested supporting credits	variable credits

Note: The following must be completed prior to or concurrent with taking the MCAT Exam: CHEM 151, 152, 153; 351, 352, 353, 372, 373, 304, 480, 481; BIOL 171, 172, 173, 270, 301, 302, 304, 310, 490; MATH 161, 162 and PHYS (131, 132, 133 or 151, 152, 153) and 161, 162, 163.

Note: Chemistry majors completing BIOL 490 do not need to take CHEM 491 for graduation.

Note: The above option will require more than 12 terms (or 4 years) to complete at an average of 15 credits per term.

Chemistry/Biochemistry Major with Professional Option (110–112 credits)

This program is approved by the American Chemical Society and it is recommended for those students who plan to become professional chemists. It provides a broad and strong background in the fundamentals of chemistry and an excellent foundation for graduate school or a career in industry.

Required Courses

CHEM 151 General Chemistry (5)
 CHEM 152 General Chemistry (5)
 CHEM 153 General Chemistry (5)
 CHEM 304 Quantitative Analysis (6)
 CHEM 319 Modern Inorganic Chemistry (5)
 CHEM 351 Organic Chemistry (4)
 CHEM 352 Organic Chemistry (4)
 CHEM 353 Organic Chemistry (3)
 CHEM 372 Organic Chemistry Lab I (3)
 CHEM 373 Organic Chemistry Lab II (3)
 CHEM 419 Advanced Inorganic Chemistry (5)
 CHEM 420 Instrumental Analysis (5)
 CHEM 421 Physical Chemistry (4)
 CHEM 422 Physical Chemistry (3)
 CHEM 423 Physical Chemistry (3)
 CHEM 431 Physical Chemistry Lab (1)
 CHEM 432 Physical Chemistry Lab (2)
 CHEM 433 Physical Chemistry Lab (2)
 CHEM 480 Biochemistry (5)
 CHEM 491 Senior Thesis (4–6)

Select from the following courses: (3 credits)

CHEM 498 Seminar (1)
 CHEM 499 Directed Studies (1–3)

Required Supporting Courses

MATH 161 Calculus I (5)
 MATH 162 Calculus II (5)
 MATH 163 Calculus III (5)
 PHYS 151 General Physics I (4)
 PHYS 152 General Physics II (4)
 PHYS 153 General Physics III (4)
 PHYS 161 Mechanics Lab (1)
 PHYS 162 Heat and Optics Lab (1)
 PHYS 163 Instrumentation Lab I (1)

Suggested Supporting Course: (5 credits)

Completion of a computer programming course is strongly recommended.
 (See your chemistry/biochemistry advisor.)

Required program credits	80–82 credits
Required supporting credits	30 credits
Minimum total credits for above major	110 credits
Total suggested supporting credits	5 credits

Chemistry/Biochemistry Major with Standard Option (95–97 credits)

This major program provides the normal preparation in chemistry for students planning employment as chemists and considerable chemical background in preparation for careers outside chemistry. It is appropriate for some students who plan to enter professional schools such as dentistry, or public and environmental health.

Required Courses

CHEM 151 General Chemistry (5)
 CHEM 152 General Chemistry (5)
 CHEM 153 General Chemistry (5)
 CHEM 304 Quantitative Analysis (6)
 CHEM 351 Organic Chemistry (4)
 CHEM 352 Organic Chemistry (4)
 CHEM 353 Organic Chemistry (3)
 CHEM 372 Organic Chemistry Lab I (3)
 CHEM 421 Physical Chemistry (4)
 CHEM 422 Physical Chemistry (3)
 CHEM 423 Physical Chemistry (3)
 CHEM 431 Physical Chemistry Lab (1)
 CHEM 432 Physical Chemistry Lab (2)
 CHEM 433 Physical Chemistry Lab (2)
 CHEM 491 Senior Thesis (4–6)

Select one of the following courses: 5 credits

CHEM 418 Modern Analytical Chemistry (5)
 CHEM 419 Advanced Inorganic Chemistry (5)
 CHEM 420 Instrumental Analysis (5)

Required Supporting Courses

MATH 161 Calculus I (5)
 MATH 162 Calculus II (5)
 MATH 163 Calculus III (5)
 PHYS 151 General Physics I (4)
 PHYS 152 General Physics II (4)
 PHYS 153 General Physics III (4)
 PHYS 161 Mechanics Lab (1)
 PHYS 162 Hear and Optics Lab (1)
 PHYS 163 Instrumentation Lab I (1)

Electives

Select 6 credits from the 300-level or above Chemistry and Biochemistry courses (exclusive of CHEM 390)

Suggested Supporting Course

Completion of a computer programming course is strongly recommended.
 (See your chemistry/biochemistry advisor.)

Required program credits	59–61 credits
Required supporting credits	30 credits
Elective credits	6 credits
Minimum total credits for above major	95 credits
Total suggested supporting credits	5 credits

Minors**Chemistry/Biochemistry Minor (30 credits)****Required Courses**

CHEM 151 General Chemistry (5)
 CHEM 152 General Chemistry (5)
 CHEM 153 General Chemistry (5)

Electives

Select 15 credits of upper-division Chemistry and Biochemistry courses (exclusive of CHEM 390)

Required program credits	15 credits
Elective credits	15 credits
Total credits for above minor	30 credits

Note: With regard to electives, CHEM 397, 497 and 597, as well as other special courses must be approved by the department chair.

Chemistry/Biochemistry Secondary Minor (26 minimum credits)*This minor satisfies the endorsement for grades 5-12.***Required Courses**

CHEM 151 General Chemistry (5)
 CHEM 152 General Chemistry (5)
 CHEM 153 General Chemistry (5)
 CHEM 390 Chemistry Methods for the Secondary School (1)
 SCED 390 Secondary Science Teaching Methods (1)

Select from the following courses: 9 minimum credits

CHEM 304 Quantitative Analysis (6)
 CHEM 316 Environmental Chemistry (5)
 CHEM 319 Modern Inorganic Chemistry (5)
 CHEM 351 Organic Chemistry (4)
 CHEM 352 Organic Chemistry (4)
 CHEM 372 Organic Chemistry Lab I (3)
 CHEM 421 Physical Chemistry (4)
 CHEM 480 Biochemistry (5)

Total credits for above minor**26 credits***Note: Some graduate courses may be substituted for electives, in consultation with advisor.***Environmental Chemistry Minor (32 credits)****Required Courses**

CHEM 151 General Chemistry (5)
 CHEM 152 General Chemistry (5)
 CHEM 153 General Chemistry (5)
 CHEM 316 Environmental Chemistry (5)
 CHEM 416 Advanced Environmental Chemistry (3)

Electives*(Note: Only one of these courses can be a CHEM course regardless of credit hours.)***Select 9 credits from the following courses:**

BIOL 301 Microbiology (5)
 BIOL/GEOG 312 Fundamentals of Soil Science (4)
 BIOL 406 Water Pollution Biology (3)
 BIOL 440 Ecology (4)
 BIOL 441 Ecology Lab (2)
 BIOL 442 Conservation Biology (4)
 CHEM 304 Quantitative Analysis (6)
 CHEM 319 Modern Inorganic Chemistry (5)
 CHEM 351 Organic Chemistry (4)
 CHEM 352 Organic Chemistry (4)
 CHEM 372 Organic Chemistry Lab I (3)
 CHEM 373 Organic Chemistry Lab II (3)
 CHEM 418 Modern Analytical Chemistry (5)
 CHEM 419 Advanced Inorganic Chemistry (5)
 CHEM 420 Instrumental Analysis (5)
 CHEM 421 Physical Chemistry (4)
 CHEM 422 Physical Chemistry (3)
 CHEM 423 Physical Chemistry (3)
 CHEM 431 Physical Chemistry Lab (1)
 CHEM 432 Physical Chemistry Lab (2)
 CHEM 433 Physical Chemistry Lab (2)
 CHEM 440 Advanced Physical Chemistry (4)
 CHEM 465 Advanced Organic Chemistry (2)
 CHEM 480 Biochemistry (5)
 ECON 457 Natural Resource Economics (5)
 GEOG 314 Weather and Climate (5)
 GEOG 315 Surface Hydrology (4)
 GEOG 317 Resources and Conservation (3)
 GEOG 325 Wetlands Science I (4)
 GEOG 328 Geographic Information Systems I (5)
 GEOG 329 Air Photo Interpretation (5)
 GEOL 220 Environmental Geology (4)
 GEOL 463 Environmental Geochemistry (5)
 GEOL 465 Analysis of Metals in Environmental Samples (5)
 MATH 380 Elementary Probability and Statistics (5)
 PLAN 406 Planning Law and Legislation (4)
 PLAN 430 Environmental Planning (5)
 PLAN 431 Environmental Impact Statements (3)
 SOCI 442 Environmental Sociology (5)
 SOCI 443 Social Impact Assessment (5)

Required program credits**23 credits****Elective credits****9 credits****Total credits for above minor****32 credits****Health Science Minor (30 credits)****Required Courses**

BIOL 232 Human Anatomy and Physiology for Non-Biology Majors (5)
 BIOL 233 Human Anatomy and Physiology for Non-Biology Majors (5)
 BIOL 234 Human Anatomy and Physiology for Non-Biology Majors (5)
 CHEM 161 General Chemistry for the Health Sciences (5)
 CHEM 162 Organic Chemistry for the Health Sciences (5)
 CHEM 163 Biochemistry Chemistry for the Health Sciences (5)

Total credits for above minor**30 credits****Course Requirements for Teacher Certification/Add-on Endorsements***(For students who currently possess a Washington State Teaching Certificate)***General Science/Add-on Endorsement (65 credits)***To improve the marketability of the science teacher, students may wish to complete this option in addition to their BAE in Biology, Chemistry, Earth Science or Physics. This add-on satisfies the endorsement and allows teachers to teach any science for grades 5-12.***Required Courses**

BIOL 171 Biology I (4)
 BIOL 172 Biology II (4)
 BIOL 173 Biology III (4)
 BIOL 270 Biological Investigation (3)
 CHEM 151 General Chemistry (5)
 CHEM 152 General Chemistry (5)
 CHEM 153 General Chemistry (5)
 GEOG 314 Weather and Climate (5)
 GEOL 120 Physical Geology - The Solid Earth (5)
 GEOL 121 Physical Geology - Surficial Processes (5)
 PHYS 121 Descriptive Astronomy (5)
 PHYS 131 Introductory Physics I (4)
 PHYS 132 Introductory Physics II (4)
 PHYS 161 Mechanics Lab (1)
 PHYS 162 Heat and Optics Lab (1)
 BIOL 390 Biology Teaching Methods (1)
 CHEM 390 Chemistry Methods for the Secondary Schools (1)
 GEOG/GEO 390 Earth Science Teaching Methods (1)
 PHYS 390 Physics Teaching Methods (1)
 SCED 390 Secondary Science Teaching Methods (1)

Total credits for above add-on endorsement**65 credits**

Chemistry Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

CHEM 100**Introduction to Chemistry (5)**

FALL/WINTER/SPRING

This course prepares those who have not had a satisfactory background in high school chemistry to take CHEM 151 or 161. Topics include the scientific method, SI and metric systems, unit conversions, atomic structure, periodic table, bonding and stoichiometry. Laboratory work is included.

CHEM 121**Chemistry and its Role in Society (5)**

FALL/WINTER/SPRING

[satisfies the GEGR for natural sciences, chemistry.] Basic chemical principles are used to examine some of the chemistry that most directly impacts individuals and society on a day-to-day basis. The course is designed to develop in students an appreciation for the chemical basis of their bodies and their environment. Emphasis is placed on the dynamic nature of the field of chemistry, and efforts are made to dispel many of the common misconceptions that nonscientists often have about chemistry and other natural sciences. Laboratory work is included.

CHEM 140**Criminalistics and Forensic Chemistry (5)**

SPRING

Prerequisite: Two semesters of high school science or the equivalent are strongly recommended. This course provides an overview of forensic science and criminalistics including history and the modern role of forensic science in the judicial system. Topics covered include DNA typing, trace evidence analysis, firearms and tool marks and impression evidence. Laboratory work is included. Labs will focus on current forensic techniques.

CHEM 151, 152, 153**General Chemistry (5 each)**

FALL/WINTER/SPRING

[The completion of CHEM 151 satisfies the GEGR for natural sciences, chemistry; counts as one course. The completion of CHEM 151 and 152 satisfies the GEGR for natural sciences, chemistry; counts as two courses.]

Prerequisites: Completion of MATH 104 or MATH 105 or MATH 115 or equivalent for CHEM 151, CHEM 151 for CHEM 152, CHEM 152 for CHEM 153. For CHEM 151, CHEM 100 or a high school chemistry course is strongly recommended.

Topics will include stoichiometry, periodic table and chemical bonding, structure of matter, solutions, equilibrium, thermodynamics, oxidation and reduction, transition metal complexes, nuclear chemistry, kinetics and quantitative laboratory techniques. Laboratory work is included. A placement exam will be given during the first week of CHEM 151.

CHEM 161**General Chemistry for the Health Sciences (5)**

FALL/WINTER/SPRING

[satisfies the GEGR for natural sciences, chemistry; counts as one course.]

Prerequisite: Concurrent enrollment in or completion of MATH 104 or MATH 105 or MATH 115 or equivalent. A high school chemistry course or CHEM 100 is highly recommended.

Course includes a survey of inorganic chemistry for pre-nursing, pre-dental hygiene and allied health science students. Topics include atomic structure, the periodic table, stoichiometry, solutions, equilibrium, acids and bases. Laboratory work is included. A placement exam will be given during the first week of classes.

CHEM 162**Organic Chemistry for the Health Sciences (5)**

FALL/WINTER/SPRING

[the completion of CHEM 161 and 162 satisfies the GEGR for natural sciences, chemistry; counts as two courses.]

Prerequisite: CHEM 161.

The course is a survey of organic chemistry for pre-nursing, pre-dental hygiene and allied health science students. Topics include naming, properties, and reactions of hydrocarbons, alcohols, ethers, amines and carbonyl compounds. Laboratory work is included.

CHEM 163**Biochemistry for the Health Sciences (5)**

FALL/WINTER/SPRING

Prerequisite: CHEM 162.

This course is a survey of biochemistry for pre-nursing, pre-dental hygiene and allied health science students. Topics include amino acids, proteins, enzymes, lipids, carbohydrates, nucleic acids, biotechnology and metabolic pathways. Laboratory work is included.

CHEM 297**Workshops, Short Courses (1-10)****CHEM 304****Quantitative Analysis (6)**

FALL/WINTER

Prerequisite: CHEM 153.

Theory and practice of gravimetric and volumetric analysis with an introduction to some elements of instrumental analysis.

CHEM 316**Environmental Chemistry (5)**

FALL

Prerequisites: CHEM 151-153 or 161-163.

The course is an introduction to environmental chemistry covering both fundamental chemical principles and societal implications. Emphasis will be placed on local issues such as Hanford Nuclear Reservation and the environmental impact of mining. Laboratory work is included.

CHEM 319**Modern Inorganic Chemistry (5)**

WINTER

Prerequisite: CHEM 153.

Representative and nonmetallic elements; metallic structures and alloys; transition elements and coordination compounds; reaction mechanisms; hard and soft, acids and bases.

CHEM 338**Discovering Women in Science (1)**

The course uses several scientific themes to rediscover from the past, and find in contemporary research, the women who have made significant contributions to science. (Cross-listed BIOL 338, GEOL 338, HIST 338, PHYS 338, PSYC 338, WMST 338)

CHEM 350**Principles of Pharmacology (2)**

SPRING

Prerequisites: CHEM 163, BIOL 233 or equivalent.

The course is primarily intended for the athletic training or other allied health science students. The course presents a review of the actions of over-the-counter drugs and an introduction to the principles of pharmacological action from the integrated foundations of physiology, organic chemistry and biochemistry.

CHEM 351, 352**Organic Chemistry (4 each)**

FALL(351)/WINTER(351, 352)/SPRING(352)

Prerequisite: CHEM 153 for 351; CHEM 351 for CHEM 352.

An integrated study of fundamental organic chemistry for chemistry majors and students planning on careers in medicine, dentistry, pharmacology, engineering, or related fields. Emphasizes nomenclature, bonding, reactivity, stereochemistry, synthetic methods, reaction mechanisms, physical properties and spectrometric identification of the principal classes of organic compounds, including biochemical examples.

CHEM 353**Organic Chemistry (3)**

FALL/SPRING

Prerequisite: CHEM 352.

A comprehensive study of the chemistry of polyfunctional carbon compounds.

CHEM 357**Neuropharmacology (2)**

SPRING

Prerequisites: CHEM 163 and BIOL 233 or equivalent, or permission of the instructor.

The course is primarily intended for pre-medical, pre-dental, pre-pharmacy or other science students. Topics covered include CNS neurotransmitters and their pharmacology, various biochemical hypotheses for neurological disorders and the pharmacology of a variety of psychoactive drug classes of use or abuse.

CHEM 372**Organic Chemistry Laboratory I (3)**

WINTER/SPRING

Prerequisite: CHEM 351.

This course is an introduction to the elementary techniques of the organic laboratory; including synthesis, application of chromatography and spectrometry. This is a laboratory course.

CHEM 373**Organic Chemistry Laboratory II (3)**

FALL/SPRING

Prerequisites: CHEM 352 and 372.

This course emphasizes spectrometry, synthesis, structure determination and advanced techniques in isolation, purification and analysis. This is a laboratory course.

CHEM 390**Chemistry Methods for the Secondary School (1)**

FALL

Prerequisite: CHEM 153 and concurrent enrollment in SCED 390, or permission of the instructor.

This course is for chemistry majors planning to teach in the secondary schools. It includes organization of lesson materials and techniques, and evaluation methods. Laboratory work is included.

CHEM 395**Internships (1-10)**

FALL/WINTER/SPRING

Prerequisite: Permission of the instructor.

CHEM 397**Workshops, Short Courses, Conferences (1-10)**

FALL/WINTER/SPRING

CHEM 399**Directed Study (1-10)**

FALL/WINTER/SPRING

Prerequisite: Permission of the instructor.

Library or laboratory study of a chemical problem.

CHEM 416**Advanced Environmental Chemistry (3)**

Prerequisites: CHEM 304, 316, and 352 (or concurrent), or permission of the instructor.

This course includes a detailed study of atmospheric, soil, water and waste water chemistry. Aspects of environmental/analytical chemistry will be introduced. Laboratory work will cover aspects of sampling, instrumental and automated analysis and regulatory requirements. Students will concentrate in the area of their particular interest, leading to a comprehensive written research report and presentation. Laboratory work is included.

CHEM 418**Modern Analytical Chemistry (5)**

FALL

Prerequisite: CHEM 304.

Principles of recently developed methods of analytical chemistry.

CHEM 419**Advanced Inorganic Chemistry (5)**

SPRING

Prerequisite: CHEM 319 and CHEM 422, or permission of the instructor.

This course covers ionic, covalent and metallic bonding, complexes, acids and bases, molecular structure, symmetry and thermodynamics of inorganic reactions. It also introduces mechanisms of inorganic reactions and organometallic chemistry of selected groups of elements. Laboratory work is included.

CHEM 420**Instrumental Analysis (5)**

SPRING

Prerequisite: CHEM 422 or permission of the instructor.

This course introduces instrumental methods of analysis. This is a laboratory course.

CHEM 421, 422, 423**Physical Chemistry (4, 3, 3)**

FALL(421)/WINTER(422)/SPRING(423)

Prerequisites: CHEM 304, PHYS 133 or 153, MATH 162 for CHEM 421; CHEM 421 for CHEM 422; CHEM 422 for CHEM 423.

Classical and statistical thermodynamics, electrochemistry, quantum theory, kinetics, symmetry, spectroscopic and diffraction methods of structure determination.

CHEM 431, 432, 433**Physical Chemistry Laboratory (1, 2, 2)**

FALL(431)/WINTER(432)/SPRING(433)

Prerequisites: Concurrent enrollment in CHEM 421, 422 and 423. For CHEM 421, completion of a computer programming course is strongly recommended. (See your Chemistry/Biochemistry advisor.)

These courses cover data treatment, current physicochemical techniques, computer applications to chemical systems. These are laboratory courses.

CHEM 440**Advanced Physical Chemistry (4)**

SPRING

Prerequisite: Concurrent enrollment or completion of CHEM 423.

Further development of principles underlying molecular symmetry, group theory and quantum chemistry, with applications to molecular orbitals and molecular spectroscopy. Introduction to semi-empirical calculations of electronic properties of molecules and analysis of spectroscopic data.

CHEM 445**Topics in Forensic Chemistry (5)**

SPRING

Prerequisite: Acceptance into BS forensic option.

This course includes a detailed investigation of current topics in forensic chemistry and forensic science. Topics will include courtroom testimony, laboratory accreditation and analyst certification. Laboratory work is included.

CHEM 450**Advanced Forensic Chemistry (5)**

FALL

Prerequisites: Acceptance into BS forensic option.

This course includes a detailed examination of the techniques of forensic chemistry including organic, inorganic and instrumental analysis. Topics include gunshot residue, drugs and toxicology, paint, arson and explosives, and biochemical methods such as electrophoresis. Advanced topics in crime scene procedures, chain-of-custody and quality assurance, will be discussed. Laboratory work is included.

CHEM 454**Clinical Chemistry (4)**

FALL

Prerequisites: CHEM 304 and 352.

This course is an introduction to both the methodologies involved in the analyses of diagnostically important compounds in clinical chemistry, (i.e., spectroscopy, ion-selective electrodes, enzymology, immunoassays and liquid chromatography), and the biochemical and physiological correlations of normal and disease states. This is intended for medical technology and chemistry majors and students with interests in medical sciences.

CHEM 465**Advanced Organic Chemistry (2)**

SPRING

Prerequisites: CHEM 353 and 421 or permission of the instructor.

This course is an in-depth study of the mechanisms of organic reactions in vitro and in vivo, coupled to a detailed investigation of current techniques in structural analysis of organic compounds.

CHEM 466**Structural Analytical Techniques in Organic Chemistry (2)**

SPRING

Prerequisites: CHEM 353 and 421, or permission of the instructor.

This course is an in-depth study of modern analytical techniques used in the structural analysis of organic compounds. This course will comprise both theory and practical experience with the instruments. Topics covered include UV, IR, NMR, mass spectrometry and chromatography. This is a laboratory course with lecture included.

CHEM 480**Biochemistry (5)**

FALL/SPRING

Prerequisite: CHEM 352.

Elements of biochemistry are covered, including the structure and function of the major classes of proteins, nucleic acids, carbohydrates and lipids.

CHEM 481**Intermediary Metabolism (5)**

WINTER

Prerequisite: CHEM 480.

Biosynthesis and metabolism of nucleotides, carbohydrates, lipids, amino acids and steroids; regulation and integration of biochemical pathways.

CHEM 482**Integrated Topics in Biochemistry and Biophysics (3)**

SPRING

Prerequisite: CHEM 480.

Explores energy pathways, signal transduction pathways and genetic information pathways in living organisms. Provides a chemical perspective of the key principles of bioenergetics and membrane transport. Specific topics, discussed at a molecular level, are selected from, but not limited to the following: electron transport, proton pumping and ATP production in mitochondria and chloroplasts; hormone induced signal transduction; RNA synthesis and processing, and protein synthesis and processing.

CHEM 483, 484**Biochemistry Laboratory (2 each)**

SPRING(483)

Prerequisite: CHEM 480.

Experiments include basic analytical and separatory techniques applied to problems in nucleotide identification, lipid turnover, photosynthesis, enzyme kinetics and cell fractionation.

CHEM 491**Senior Thesis (4-6)**

FALL/WINTER/SPRING

[satisfies senior capstone university graduation requirement.]

Prerequisite: Senior standing.

Directed research in your area of chemistry leading to an oral presentation and written report. See your advisor for further information.

CHEM 495**Chemistry Internship (1-10)**

FALL/WINTER/SPRING/SUMMER

Supervised chemistry-related experiences with a professional or business organization.

CHEM 497**Workshops, Short Courses, Conferences (1-10)****CHEM 498****Seminar (1-2)**

Prerequisite: Permission of the instructor.

Oral presentation of a chemical topic.

CHEM 499**Directed Study (1-10)**

Prerequisite: permission of the instructor

FALL/WINTER/SPRING

Prerequisite: Permission of the instructor.

Research on a chemical problem.

CHICANO EDUCATION

School of Social Work

Carlos Maldonado, Program Director

203 Monroe

(509) 359-2404

Minor

Faculty: G. Garcia, C. Maldonado, E. Radovanec

UNDERGRADUATE PROGRAM

The Chicano Education Program has a dual mission at Eastern Washington University. The program's first mission is to actively contribute towards enhancing the opportunity and participation of Chicanos/Latinos in higher education. This mission is achieved by actively recruiting Chicano/Latino students and providing support to help them have a positive and successful academic career at Eastern Washington University.

A parallel CEP mission is to contribute to EWU's goal towards addressing diversity by providing all students regardless of ethnicity with a Chicano Studies curriculum leading to a comprehensive understanding and appreciation of the Chicano/Latino community and relevant issues.

CEP is committed to staging initiatives that meet its dual mission. The Chicano Education Program is divided structurally into three distinct program components. These include the following:

Recruitment: The Chicano Education Program's student recruitment efforts focus on various activities aimed at encouraging Chicano/Latino students to pursue educational opportunities at EWU. Specific recruitment activities include visiting high schools and community colleges; staging university based student visitations; participating in educational and community career fairs; using the Spanish media (radio, television and newspapers) to disseminate information about educational opportunities at EWU, networking with Chicano/Latino community organizations and other recruitment-focused initiatives. In addition, CEP assists students transition into the University by contacting university offices and departments (i.e., Admissions Office, Financial Aid, Housing and Residential Life) on the student's behalf.

Support Services: The Chicano Education Program also provides a variety of academic and non-academic support services benefiting students. These include academic advising, scholarships and scholarship information, mentorship opportunities, cultural based initiatives, linkages for tutoring needs, a college orientation class and other student support services. CEP also assists students in becoming familiar with university regulations and practices. CEP advocates on the students' behalf with other university departments and offices.

The Chicano Education Program houses the CAMP program (College Assistance Migrant Program), which is designed to recruit and retain migrant

students during their first year of college at EWU. The CAMP program provides an array of academic support services and financial assistance to CAMP participants.

Chicano Studies: CEP offers a Chicano Studies academic minor designed to provide all students regardless of ethnicity, a comprehensive understanding and appreciation of the Chicano/Latino community and relevant issues.

CEP's Chicano Studies offerings include lower and upper division course work. The Chicano Studies minor will enhance the academic preparation of students planning to teach at the secondary or elementary level or those who are interested in careers as counselors or social service agents.

Please refer to the required courses and course descriptions segment for additional information about CEP's Chicano Studies curriculum offering.

Other CEP Activities: CEP maintains contact with both the Chicano and non-Chicano communities throughout the state of Washington. The program's outreach efforts include seminars, lectures, and cultural and art exhibitions.

The program also publishes an electronic quarterly newsletter, *Q-VO*, which informs students and the community about CEP activities. On a national level, CEP actively participates with the National Association for Chicana and Chicano Studies, a professional association which promotes research relevant to the Chicano community.

Required courses in the following program of study may have prerequisites. Reference the course description section for clarification.

Chicano-Latino Studies Minor (25 credits)

The minor in Chicano-Latino Studies will provide all students regardless of ethnicity with a comprehensive understanding of the Chicano-Latino community through its Chicano Studies course offerings. Lower division courses such as Introduction to Chicano Culture, Latinos in Contemporary American Society and Chicano History encourage students to develop valid concepts and generalizations regarding Chicano/Latino issues. Upper division courses expand on aspects of the Chicano/Latino experience. These include Chicano-Latino Politics in America, Survey of Chicano Literature and Latina/o Communities in the United States: Field Research in Chicana/o-Latina/o Studies. The minor will enhance the academic preparation of students planning to teach at the secondary or elementary level or those who desire occupations as counselors or social service agents. This minor does not meet a state of Washington endorsement.

Required Courses

- CHST 101 Introduction to Chicano Culture (5)
- or CHST 201 Latinos in Contemporary American Society (5)
- CHST 218 Chicano History (5)
- CHST 300 Survey of Chicano Literature (5)
- CHST 320 Chicano-Latino Politics in America (5)
- CHST 340 Latina/o Communities in the United States: Field Research in Chicana/o-Latina/o Studies (5)
- or CHST 499 Directed Studies: Field Research in Chicano Studies (5)

Total credits for above minor

25 credits

Chicano Studies Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

CHST 101

Introduction to Chicano Culture (5)

FALL/WINTER/SPRING

[satisfies cultural and gender diversity university graduation requirement.]

A study of Chicano culture providing an initial overview of its roots and conflicts. Specific components discussed are cultural identity, customs, language, psychology and the arts. (Cross-listed ANTH 161)

CHST 201

Latinas/os in Contemporary American Society (5)

[satisfies cultural and gender diversity university graduation requirement.]

The following course examines the experience of the other Latinos (Hispanics) in the United States: Puerto Rican, Cuban American and Central Americans. The course presents a brief historical overview of their entrance in American Society and a demographic comparison of significant socio-economic variables of the groups. The primary focus of the course is to examine the social and cultural profile of the Puerto Rican, Cuban and Central American groups in the US. The course covers historical, social and cultural themes, which include the impact of American institutions on identity, culture, language, the family and the future implications of immigration from Latin America. (Cross-listed ANTH 201)

CHST 218

Chicano History (5)

FALL/WINTER/SPRING

[satisfies cultural and gender diversity university graduation requirement.]

This course offers a study of Chicano history from the time of the Treaty of Guadalupe Hidalgo in 1848, to the present. Specific themes discussed include the Mexican American War, the Treaty of Guadalupe Hidalgo of 1848, the economic, political and social conditions after the Anglo-American conquest of the southwest, Mexican immigration to the US, Chicano labor history, the Chicano movement and other Chicano themes. (Cross-listed HIST 218)

CHST 300**Survey of Chicano Literature (5)**

ODD YEARS

Recommended: CHST 101 or 218.

This course offers students an overview of the historical development and current trends in Chicano Literature. The course focuses on the literary forms of poetry, novel and the short story. The class gives students an understanding of various theoretical approaches utilized in critically analyzing literary works. Students will be expected to read, discuss and apply theoretical techniques on specific Chicano literary works. (May be cross-listed ENGL 498)

CHST 320**Chicano-Latino Politics in America (5)**

ODD YEARS

Recommended: CHST 101 or 218.

The purpose of this course is to study the political reality of Latinos in the United States: a heterogeneous group made up largely of Mexican, Puerto Rican, Cuban American origin and others (Central and South Americans). The focus taken in this class is to look at the Latino population in terms of its orientation to the political system, its institutions and actors and their participation in the electoral process. The course will examine the political orientation of the Latino community towards power, authority, role of government, and actions taken by governmental bodies and linkages to political participation. Overall, the goal of the course is for students to have a better understanding of the political experience of the second largest racial/ethnic group in the United States. (May be cross-listed GOVT 350)

CHST 340**Latina/o Communities in the US: Field Research in Chicano/o Latina/o Studies (5)**

The course is designed to accomplish three objectives. First it presents a typology of the diverse experience of Latina/o communities in the US. Second, it provides a critical review of theories and methods utilized in the study of the Chicano-Latino experience in the US. Third, it incorporates a field research component whereby students apply the theories and methods examined in the course.

CHST 396**Experimental Courses (1-5)****CHST 495****Internship/Practicum (1-5)****CHST 498****Chicano Experience (1-5)**

FALL/WINTER/SPRING

Chicano topics discussed from various disciplines including the humanities and social sciences.

CHST 499**Directed Study (1-5)**

FALL/WINTER/SPRING

An in-depth, independent research project.

CHILDREN'S STUDIES

A collaboration of the Colleges of Social and Behavioral Sciences and Education and Human Development

Fran Sherwood

313B Williamson Hall

(509) 359-6458

Childrens.Studies@mail.ewu.edu

BA, BAE**UNDERGRADUATE PROGRAMS**

The interdisciplinary Children's Studies majors provide students a strong holistic background in the study of the development and learning of children (birth to pre-adolescence) in a variety of social contexts. Theory and practice from the disciplines of Sociology, Psychology and Education form the basis for this integrated curriculum. The BA Options A, B and C, and the BAE provide an opportunity for all students to develop a foundational and global perspective of children and childhood. Included in the program requirements is the course SOCI 101, which must be taken as a prerequisite to the Sociology courses found within the Children's Studies Majors. This course may be used to fulfill the requirements for one General Education Course Requirement (GECR) but may not be counted twice towards the 180 credits required to graduate.

Required courses in the following program of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)**Children's Studies Major (44-47 credits)**

Note: CEDP 315 may be a prerequisite for CEDP 320 and CEDP 324.

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Major - Core Courses Required

EDUC 306 Introduction to Children's Studies (1)

EDUC 458 The Learning Paradigm in Children's Studies (5)

CEDP 313 Child and Adolescent Development (4)

SOC 483 Sociology of Children (5)

Choose one of the three following Practicum/Internship/Seminar courses (Cross-listed): 4 credits

EDUC 487 Seminar in Issues in Early Childhood Education (4)

CEDP 495 Experiential Learning (4)

SOC 495 Internship (4)

Capstone:

ITGS 400 Interdisciplinary Senior Capstone (4)

or an approved Department Senior Capstone course

Total required core credits**23 credits****Degree Options - Choose one of the three options for the BA:****A, B or C (21-24 credits)**

Note: Both the BA degree (Options A, B and C) and the BAE degree (Option D) require the completion of a minor to fulfill the University graduation requirements. At least 15 of the credits used for the minor must be distinct from the credits used in the major.

Option A RESEARCH

The Research option is designed for those undergraduate students who plan to do graduate work or who wish to work in agencies or organizations that need data collection and assessment.

Required Courses

CEDP 320 Developmental Theories and Applications (4)

Choose one Research Method

CEDP 321 Introduction to Development Methods (4) and CEDP 322 Lab in Developmental Methods (1)

PSYC 313 Research Methods in Psychology (5)

SOC 357 A Methodology for Social Research (5)

Statistics: 4 credits

CEDP 319 Psychological and Behavioral Assessment (4)

Analysis of Data: 5 credits

SOC 490 Senior Capstone: Advanced Research Applications (5)

or CEDP 492 Field Study in Child Issues and Problems (4)

Electives

EDUC 455 Perspectives of Early Childhood Education (3)

CEDP 324 Human Learning (4)

COMD 331 Language Development (4)

SOC 370 Sociology of the Family (5)

Required core credits**23 credits****Required program credits****18 credits****Elective credits****3-5 credits****Minimum total credits for above major****44 credits***Note: The above option requires the completion of a minor.***Option B PROGRAM DEVELOPMENT***The Program Development option allows students to develop an enhanced and broadened perspective about children so they can have the flexibility to work with children in social service agencies and other child focused programs.***Required Courses**

CEDP 324 Human Learning (4)

CEDP 402 Behavior Modification (4)

SOC 370 Sociology of the Family (5)

Electives

EDUC 480 Educating Young Children with Diverse Backgrounds (3)

MGMT 326 Organization Theory and Behavior (4)

or SOCI 463 Complex Organizations (5)

RCLS 260 Arts in Recreation (3)

or RCLS 385 Programming in Recreation and Leisure Services (3)

Required core credits**23 credits****Required program credits****13 credits****Elective credits****8-10 credits****Minimum total credits for above major****44 credits***Note: The above option requires the completion of a minor.***Option C Early Childhood Learning Environments***The Early Childhood Learning Environments option allows students to earn a Bachelor's of Arts degree in Children's Studies with a focus on the development, learning and environments of young children. This option allows students to return at a later time to add on a teaching certification program if so desired as Early Childhood is an endorsable teaching area.***Required Courses**

EDUC 455 Perspectives of Early Childhood Education (3)

EDUC 456 Integrated Early Childhood Practices (5)

EDUC 479 Early Literacy (3)

EDUC 480 Educating Young Children with Diverse Backgrounds (3)

Electives

AAST 320 African American Family (5)

CEDP 412 Introduction to Early Childhood Special Education (4)

CEDP 476 Child and Family Guidance (4)

SOC 370 Sociology of the Family (5)

Required core credits**23 credits****Required program credits****14 credits****Elective credits****8-10 credits****Minimum total credits for above major****45 credits***Note: The above option requires the completion of a minor.***Bachelor of Arts in Education (BAE)****Children's Studies Major with Early Childhood Education Option (44-45 credits)***The BAE in Children's Studies (ECE option) plus the Elementary Teacher Education Program prepares students for a Washington State K-8 teaching certificate. Completion of the Major—Core Courses Required: and the following BAE Option courses (44-45 credits) will satisfy the requirements for a teaching endorsement Birth-3rd grade in Early Childhood Education.**Note: Students choosing the BAE have no foreign language requirement.***Major - Core Courses Required**

EDUC 306 Introduction to Children's Studies (1)

EDUC 458 The Learning Paradigm in Children's Studies (5)

CEDP 313 Child and Adolescent Development (4)

SOC 483 Sociology of Children (5)

Choose one of the three following Practicum/Internship/Seminar courses (Cross-listed): 4 credits

EDUC 487 Seminar in Issues in Early Childhood Education (4)

CEDP 495 Experiential Learning (4)

SOC 495 Internship (4)

Capstone:

ITGS 400 Interdisciplinary Senior Capstone (4)

or an approved Department Senior Capstone course

Required Courses

EDUC 455 Perspectives of Early Childhood Education (3)

EDUC 456 Integrated Early Childhood Practices (5)

EDUC 457 Collaborative Reflective Teaching in ECE (3)

EDUC 479 Early Literacy (3)

EDUC 480 Educating Young Children with Diverse Backgrounds (3)

Electives

CEDP 476 Child and Family Guidance (4)

SOC 370 Sociology of the Family (5)

Other courses approved by the Program Director of Children's Studies

Required core credits**23 credits****Required program credits****17 credits****Elective credits****4-5 credits****Minimum total credits for above major****44 credits****Professional Education Requirements/
Elementary Education: 102-103 credits***See the Department of Education section of this catalog. Prerequisites may also apply.***Minimum total credits for above major and
professional education****146 credits***Note: The above option requires the completion of a minor.**Note: The above major takes more than 12 quarters at 15-16 credits a quarter.*

CHINESE

See MODERN LANGUAGES AND LITERATURES AND PHILOSOPHY.

COLLEGE INSTRUCTION

College Education and Human Development
314 Williamson Hall
(509) 359-6492

MA, MS

GRADUATE PROGRAMS

The College Instruction program provides studies and experience in post-secondary teaching. In conjunction with academic departments, the program offers a master's degree which can be tailored to the needs of the candidate.

A master's degree has become a requirement for employment in most programs at post-secondary teaching institutions in Washington state. In addition, educators and consultants in the private sector are finding the course work and practical experience in this program valuable.

Each program includes graduate course work in one or more academic disciplines, a research project or thesis, courses in college instruction and a teaching internship.

Degree Requirements

Course work in College Instruction:

- COIN 581 Workshop in College Teaching (Fall Quarter) (3)
- COIN 571 Survey of Post-Secondary Education (Winter Quarter) (4)
- COIN 572 Strategies for Teaching Adults (Spring Quarter) (4)
- COIN 696 College Teaching Internship (15)
- Course work in academic disciplines and supportive courses (40)

Total required course work credits 26 credits

Total required academic disciplines and supportive credits 40 credits

Minimum total credits for master's degree 66 credits

The total number of credits may vary with the candidate's background and experience.

Most university departments participate with this program. Each program is planned in consultation with the College Instruction program advisor and with graduate studies advisors in the appropriate academic disciplines.

Preparation for college or university teaching can also be obtained through the College Instruction program as a supplement to a departmental MA or MS degree, by completing the above listed courses in college instruction. Successful candidates receive a certificate of completion of the College Instruction program requirements.

Final Comprehensive Examination

The final comprehensive examination will be an oral examination and will normally focus on (a) a thesis or research paper or practicum report submitted by the candidate as part of the approved program, (b) the candidate's teaching internship, (c) course work and other experiences taken in completion of program requirements. The examination is conducted and appraised by the candidate's committee, consisting of the director of the college instruction program or designee (co-chair), a faculty member from the candidate's academic specialization area (co-chair), plus a third member selected by the graduate office.

College Instruction/English

This is an internship program offered in conjunction with the Department of Education. Interested students should also refer to the section of the catalog titled "English." Students in this program must work within one of the department's four graduate professional emphases. Students must develop an academic program of at least 40 credits with the approval of the program coordinator in their professional emphasis.

Students must comply with the language requirement (if any), write a professional essay (ENGL 601), and pass the final examination and/or portfolio assessment in their professional emphasis.

College Instruction/Mathematics

Program Advisors:

Yves Nievergelt
127 Kingston Hall
(509) 359-4259

Education Department
314D Williamson Hall
(509) 359-6492

Required Mathematics

- MATH 531 Algebra I (4)
- MATH 551 General Topology I (4)
- MATH 561 Real Analysis I (4)
- MATH 581 Complex Analysis I (4)
- Additional courses from the Mathematics graduate core (8)
- Additional mathematics electives (10)

College Instruction Core

- COIN 571 Survey of Post-Secondary Education (4)
- COIN 572 Strategies for Teaching Adults (4)
- COIN 581 Workshop in College Teaching (3)
- COIN 696 College Teaching Internship (15)

Research Project

This project typically involves research on pedagogy of college-level mathematics. It is performed under the close guidance of a faculty member of the Mathematics or Education Department.

Final Comprehensive Examination

A two-hour final examination conducted by the chair of the candidate's graduate committee is required. The candidate will answer questions on course work including mathematics content and mathematics education. Appropriate time will be made for discussion of a candidate's special project or research performed as part of his or her program.

Required mathematic credits	16 credits
Required mathematic graduate core credits	8 credits
Mathematic elective credits	10 credits
Required college instruction core credits	26 credits
Required research project credits	6-9 credits
Minimum total credits for above master's degree	66 credits

College Instruction/Physical Education, Health and Recreation

This is a program involving an internship and is offered in conjunction with the Department of Education. Interested students should also refer to the section of this catalog titled "Physical Education, Health and Recreation." The departmental requirements and the College Instruction program requirements and credit hours are listed below.

- Course work in College Instruction
- COIN 571 Survey of Post-Secondary Education (4)
- COIN 572 Strategies in Teaching Adults (4)
- COIN 581 Workshop in College Teaching (3)
- COIN 696 College Teaching Internship (15)
- Course work in Physical Education
- PHED 505 Current Issues Seminar (3)
- PHED 507 Administration and Management in Health and Physical Education (3)
- PHED 510 Advanced Motor Control and Learning (3)
- PHED 519 Statistics in Physical Education (3)
- PHED 520 Research Methods in Physical Education (3)

PHED 550 Advanced Biomechanics (3)
 PHED 555 Advanced Physiology of Exercise (3)
 PHED 600 Thesis (9)
 or PHED 601 Research Report (6)
 Course work in supportive courses

All general requirements for the MS in Physical Education apply. See the information in the catalog under Physical Education, Health and Recreation.

Required college instruction credits 26 credits
Physical education credits 27-30 credits
Required supportive credits 13-16 credits
Minimum total credits for master's degree 66 credits

College Instruction Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

COIN 571
Survey of Post-Secondary Education (4)

WINTER
 Focuses on the role and purpose of adult and higher education through a study of educational issues. Students will develop a personal philosophy of adult and higher education. Special attention is given to the role of the two-year community college.

COIN 572
Strategies for Teaching Adults (4)

WINTER
 A study of teaching-learning processes suitable for adult education, and analysis of the educational theories from which they derive.

COIN 581
Workshop in College Teaching (3)

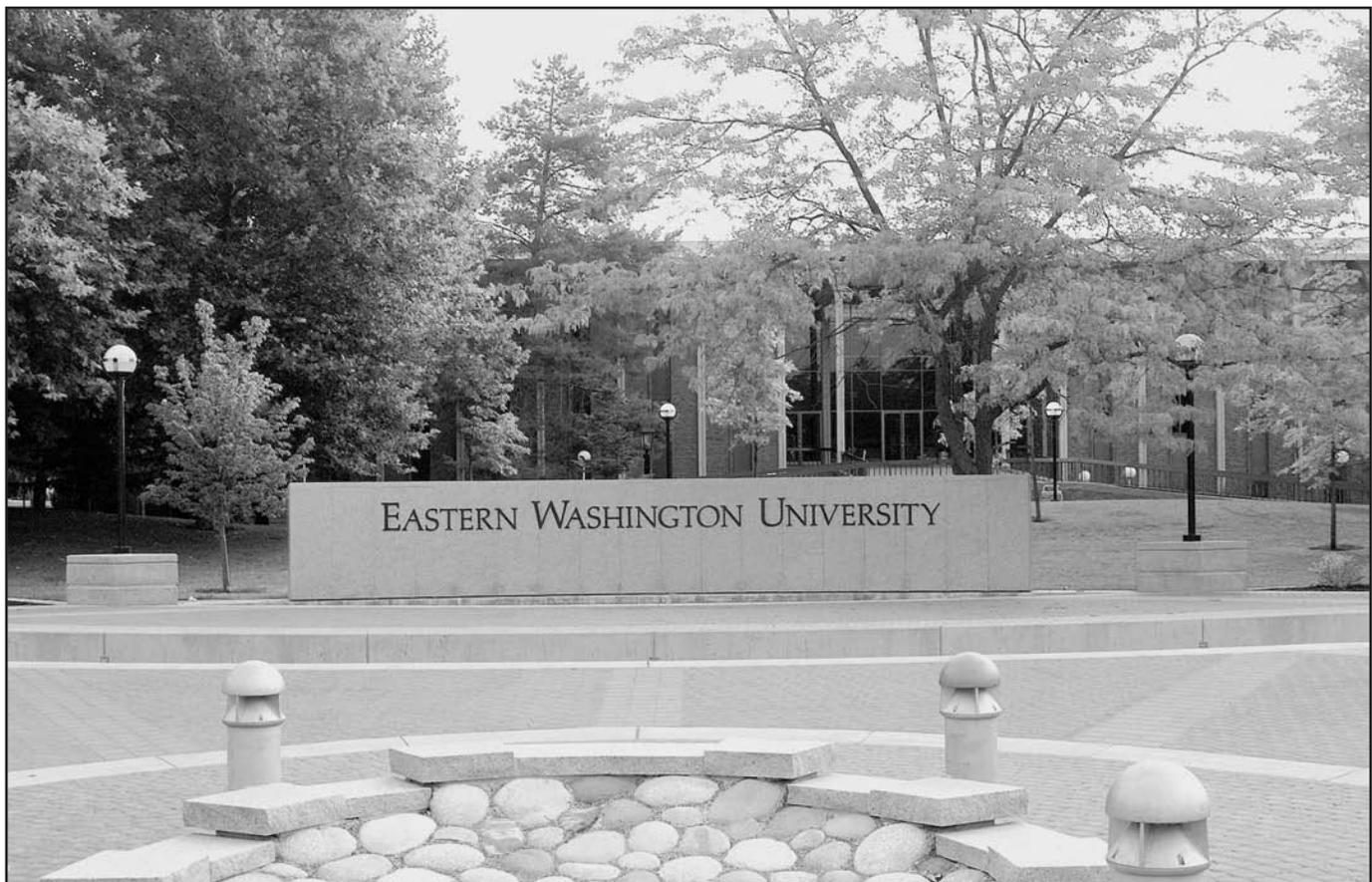
FALL
 Supervised training in various teaching strategies for large group, small group and individualized instruction.

COIN 599
Independent Study (1-15)
 Individually negotiated studies in an area of post-secondary education, supervised by a member of the college instruction faculty.

COIN 600
Thesis (1-15)
 Graded Pass/No Credit.
 A research study in a negotiated area of post-secondary education, under the guidance and supervision of a graduate advisory committee.

COIN 601
Research Report (1-15)
 Graded Pass/No Credit.
 Independent research in a negotiated area of post-secondary education, supervised by a member of the college instruction faculty.

COIN 696
College Teaching Internship (1-15)
 Graded Pass/No Credit.
 Prerequisites: COIN 572 or 581. Enrollment with permission of the College Instruction program advisor.
 Teaching under supervision at a two-year or four-year college, or other appropriate institution. Includes regular instructional responsibilities and additional planned experience.



COMMUNICATION DISORDERS

College of Science, Health and Engineering
 Donald Fuller, Chair
 120 Health Science Building at Riverpoint
 (509) 368-6790
www.ewu.edu/commdisorders

BA

Minor

MS

Faculty: D. Fuller, R. Jackson, C. Leitner, D. Nicholas, B. Perego, J. Pimentel

WSU/Adjunct Faculty: S. Bassett, C. Madison, G. Chermak, L. Power, J. Hasbrouck, E. Inglebret, J. Johnson, N. Potter

UNDERGRADUATE PROGRAMS

Professionals practicing in Communication Disorders are concerned with impairments and disabilities of speech, language, cognition-communication, voice and swallowing as well as hearing processes and disorders. A certified speech-language pathologist is qualified to assess as well as plan and implement intervention programs for these disorders. A certified audiologist is qualified to provide diagnostic hearing assessment and rehabilitative services for individuals with deafness and other less severe hearing losses. Audiologists also work with a number of other auditory processing problems and dysfunctions related to hearing and balance.

The department has a strong clinical orientation that addresses the medical, developmental and educational issues that impact being a competent speech-language pathologist. The general goal (through the Master's degree) is to provide a sound academic background and to complement that instruction with clinical knowledge and experience sufficient to equip the student to provide professional services to individuals across a spectrum of communication disorders in a variety of employment settings.

The program is designed to begin in the junior year, typically following completion of general education requirements. Supervised clinical practicum is generally reserved for the graduate level. The baccalaureate degree is considered pre-professional; the master's degree is required for certification at state and national levels. Upon graduation, employment opportunities include clinics, hospitals, private practice and community agencies. The majority of the positions, however, are in the public schools. The employment outlook for graduates remains good.

Individuals who already have obtained a Bachelors degree in another field can prepare for graduate training in speech-language pathology by completing a post-baccalaureate year of selected junior and senior level courses in Communication Disorders (see the section in this catalog entitled "Pre-Professional Programs").

The Department of Communication Disorders is located at the Health Sciences Building on the Riverpoint campus in Spokane. Clinical practica are conducted at the University Programs in Communication Disorders (UPCD) Hearing and Speech Clinic in Spokane and in numerous off-campus sites in the area. The graduate program is accredited by the Council on Academic Accreditation (CAA) of the American Speech-Language-Hearing Association (ASHA).

Admission Information for High School Students: No specific courses are required. High school students may find it useful to take typing or computer course work, four years of English, and any available speech, behavioral science and natural science courses.

General Admissions Requirements for All Students: A minimum GPA of 2.75 is required for admission to and retention in the program. Students wishing to major in communication disorders must complete a department application form and pay an application fee.

Admissions Information for Pre-Major Students: Freshman and Sophomore students are encouraged to complete their GEGRs and to begin with those courses offered by other departments in support of the major prior to enrollment in the required Communication Disorders courses within the major. If at all possible, students should complete as many of the non-major courses as possible prior to applying to the major. In general preparation for the major, students should emphasize course work in the biological or physical sciences and mathematics and course work in the behavioral or social sciences. Courses in education, human development, linguistics, English, reading and early childhood education are also very applicable to a major in Communication Disorders.

Admissions Information for Transfer Students: Transfer students should satisfy the GEGRs and consult with Communication Disorders faculty to plan their program. EWU participates in transfer agreements with community colleges in Washington State and select Idaho and Montana community colleges. Graduates of these colleges who complete a direct-transfer associate degree are admitted to Eastern with junior standing and will have satisfied Eastern's lower division general education requirements.

Foreign Language Requirement for Communication Disorders: A foreign language is required by Eastern Washington University for a Bachelor of Arts (BA) degree. To fulfill this requirement, two years of a single foreign language in high school or one year of a single foreign language at the college level is required. American Sign Language (ASL 376, 377 and 378) is an excellent option for an individual majoring in Communication Disorders.

Certification Information for Communication Disorders: Completion of the undergraduate curriculum and the Master of Science degree will allow the student to satisfy most of the requirements for the Certificate of Clinical Competence in Speech-Language Pathology (CCC-SLP) issued by ASHA. The student must also pass a national examination and successfully complete a Speech-Language Pathology Clinical Fellowship (SLPCF) as prerequisites for earning the CCC-SLP.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)

Communication Disorders Major (82-91 credits)

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses

COMD 301 Introduction to Communication Disorders (4)
 COMD 304 Phonetics (4)
 COMD 320 Speech and Hearing Science (4)
 COMD 321 Anatomy and Physiology of Speech (5)
 COMD 322 Communication Neuroscience (5)
 COMD 331 Language Development (4)
 COMD 371 Aural Anatomy and Pathology (4)
 COMD 372 Audiometry (4)
 COMD 441 Assessment Principles and Techniques (4)
 COMD 442 Intervention in Communication Disorders (4)
 COMD 451 Neurogenic Communication Disorders (4)
 COMD 455 Voice and Resonance Disorders (4)
 COMD 457 Developmental Language Disorders (4)
 COMD 458 Articulation and Phonological Disorders (4)
 COMD 473 Rehabilitative Audiology (4)
 COMD 490 Senior Capstone: Professional Issues in Communication Disorders (4)

Required Supporting Courses

Students majoring in Communication Disorders must take a Public Speaking course (4-5 credits) and a Research Methods or Statistics course (3-5 credits). Three additional courses with content in child/adolescent or adult development; the brain, memory and learning; linguistics; counseling; education; reading; early childhood or special education (between 9 and 15 credits) are also required supporting courses. These courses are planned with the student's advisor in the major.

Required program credits

Required supporting credits

Minimum total credits for above major

66 credits

16-25 credits

82 credits

Minor**Communication Disorders Minor (22–25 credits)****Required Courses**

- COMD 301 Introduction to Communication Disorders (4)
 COMD 304 Phonetics (4)
 COMD 331 Language Development (4)
 COMD 473 Rehabilitative Audiology (4)

Elective Courses

Select two additional courses* in Communication Disorders

Required program credits	16 credits
Elective credits	6–9 credits
Minimum total credits for above minor	22 credits

*Note: Students should be aware of and adhere to course sequences and prerequisites as they plan for a Communication Disorders Minor.

Speech-Language Pathologist Certification**Required Courses (typically taken at the graduate level)**

- COMD 405 Communication Disorders Services in the Schools (3)
 COMD 461 Clinical Practicum in Communication Disorders (1–4) (repeat for a total of 5 credits)
 COMD 697 Clinical Field Experience (12)

Total credits for above certification	20 credits
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After your required and minor courses are completed, you may need additional hours to meet the University requirement of 180 hours. You should choose these courses with your needs in mind from either the communication studies offerings or other university offerings. Generally these courses should be 300 and 400 level courses.

GRADUATE PROGRAM**Master of Science**

Roberta Jackson, Graduate Program Advisor

125J Health Science Building, Riverpoint campus in Spokane
 (509) 358-7584

www.ewu.edu/commdisorders

The master of science degree is designed to equip the student with the academic and clinical skills required to function as a competent professional in the field of communication disorders. The master's graduate is qualified to provide clinical services to a wide range of communication disordered children and adults in a variety of professional settings. Upon completion of the graduate program, the student will have met all requirements for the Certificate of Clinical Competence in Speech-Language Pathology (CCC-SLP) with the exception of the Speech-Language Pathology Clinical Fellowship (SLPCF). The student must also pass a national examination in speech-language pathology; most students take and pass the exam prior to earning the master's degree.

The graduate curriculum includes exposure to science and research areas as well as to clinical disorders and related practice. The graduate curriculum is part of a cooperative program between Eastern Washington University and Washington State University —Spokane, and is known as the University Programs in Communication Disorders (UPCD). The UPCD is housed in the Health Sciences Building on the Riverpoint campus in Spokane.

Admission Requirements/Preparation

Admission to the master's degree program includes the requirements of the graduate school as well as the GRE general and writing tests, letters of recommendation, a statement from the applicant outlining professional interests and intent and an application fee. All application materials must be received by February 1, prior to the fall academic term of enrollment. Students entering the program must have completed an undergraduate major in communication disorders. Students with an undergraduate major in any other field must complete a post-baccalaureate year of required communication disorders courses prior to applying to the program. (See the section of this catalog entitled "Pre-Professional Programs").

Course selections made by the student and a departmental faculty advisor can be individually tailored to the student's professional goals. Course selection is guided by the knowledge and skills outcomes in the certification standards for the CCC-SLP as set forth by ASHA.

www.ewu.edu

According to the new ASHA certification standards, it is expected that candidates for the master's degree will have accumulated 400 clock hours of clinical practicum with 25 hours spent in observation and 375 hours spent in direct client/patient contact. At least 325 hours of these hours must be completed at the graduate level. This is accomplished by completing clinical practicum experiences and taking one required quarter of COMD 697, *Clinical Field Experience*. Completion of a the master's degree and clinical experience qualifies the student for Washington state licensure in Speech-Language Pathology and makes that individual eligible for the CCC-SLP, upon completion of the SLPCF and upon passing the national PRAXIS examination.

Students who intend to be employed in the public schools of this state must meet Washington state educational certification requirements, which include four credits of course work and a Clinical Field Experience in the schools.

Course Requirements and Credit Hours/Non-Thesis Option**Required Core**

- COMD 520 Research Methods I: Literature (2)
 COMD 521 Research Methods II: Design (3)
 COMD 560 Speech-Language Pathology in the School Setting (4)
 COMD 568 Advanced Assessment: Principles and Procedures (1)
 COMD 582 Clinical Perspectives (4)
 COMD 601 Research Project minimum (4)

Electives

To be determined in consultation with the graduate advisor. All 500-level courses may serve as electives. A minimum of 36 credits must be from courses within the department.

Practicum:

- A. COMD 561 Clinical Practicum
 minimum 3 credits
 maximum 12 credits
 B. COMD 562 Advanced Clinical Practicum
 minimum 6 credits
 maximum 24 credits

Typically students will be expected to enroll for at least three credits of practicum per quarter.

- C. COMD 697 Clinical Field Experience
 minimum 12 credits
 maximum 24 credits

Students are required to complete one internship; those wishing to take additional internships may exercise the variable credit option.

Non-Thesis Option

Required core credits	18 credits
Elective credits	40 credits
Practicum credits	21 credits
Total credits for above non-thesis option	79 credits

Course Requirements and Credit Hours/Thesis Option**Required Core**

- COMD 520 Research Methods I: Literature (2)
 COMD 521 Research Methods II: Design (3)
 COMD 560 Speech-Language Pathology in the School Setting (4)
 COMD 568 Advanced Assessment: Principles and Procedures (1)
 COMD 600 Thesis minimum (8)

Electives

To be determined in consultation with the graduate advisor. All 500-level courses may serve as electives. A minimum of 36 credits must be from courses within the department. Four credits of electives may be devoted to thesis.

Practicum:

- A. COMD 561 Clinical Practicum
 minimum 3 credits
 maximum 12 credits
 B. COMD 562 Advanced Clinical Practicum
 minimum 6 credits
 maximum 24 credits

Typically students will be expected to enroll for at least three credits of practicum per quarter.

- C. COMD 697 Clinical Field Experience
 minimum 12 credits
 maximum 24 credits

Students are required to complete one internship; those who wish to take additional internships may exercise the variable credit option.

Thesis Option

Required core credits	18 credits
Elective credits	40 credits
Practicum credits	21 credits
Total credits for above thesis option	79 credits

Oral Project Defense of the Research Project or Thesis

The student must complete a research project or thesis involving data collection and analysis. Within the first year of the two-year graduate program the student selects a topic and requests two faculty members from the combined UPCD faculty to be the project committee, with one of those members designated as the project chair (this may be either a WSU or an EWU faculty member who holds graduate faculty status). The student must then write a project proposal, submit the required EWU institutional review board form and conduct a project proposal meeting. At the end of the student's program, he/she orally defends the project in the company of the two committee members and the graduate council representative who is assigned by the Graduate Studies Office for the oral examination. Defense of the project is typically scheduled for one hour.

In composing of the project committee, the student must select at least one member from the EWU faculty. If the project chair is an EWU faculty member,

this person typically becomes chair for the comprehensive oral examination. If the project chair is a WSU faculty member, the student requests the EWU committee member to chair the comprehensive oral examination.

After completion of the project defense, a committee decision is made as to whether or not the project is complete. If the project is judged as not completed, the committee indicates what additional work must be submitted and whether another defense will be necessary. If the project is judged to be complete and satisfactorily defended, a grade is assigned to the project. Decisions regarding the project are independent from decisions concerning the passing of the comprehensive oral examination.

Comprehensive Oral Examination

In addition to the project defense, one hour is assigned for the purpose of questioning the student concerning any and all aspects of his/her academic and clinical experience. It is expected that questioning will require thinking at the analysis, synthesis and evaluation levels. The format of the questioning is determined by the examination committee chair. After one hour, the committee decides whether or not the student has demonstrated the ability to converse in his/her discipline to the satisfaction of the committee. If the student fails, a re-examination is required and is scheduled for a later date at the discretion of the committee and the student, in compliance with Graduate Affairs Council policy. Redefense of the research project is not a part of the re-examination.

American Sign Language Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

ASL 376

Sign Language I (3)

FALL/SPRING/SUMMER

This introduction to American Sign Language (ASL) includes a brief history of its development, grammatical principles and vocabulary rules. Vocabulary, fingerspelling and sentence structure are developed.

ASL 377

Sign Language II (3)

FALL/WINTER

Prerequisite: Sign Language I or permission of the instructor.

Further instruction in the development of expressive and receptive skills in American Sign Language, development of more advanced vocabulary and the use of space and expression as a part of the linguistic form of this visual language. Includes exploration into the structure of the deaf culture.

ASL 378

Sign Language III (3)

WINTER/SPRING

Prerequisites: ASL 376, 377 or permission of the instructor. Further instruction in the development of expressive and receptive skills in American Sign Language, development of more advanced vocabulary and the use of space and expression as a part of the linguistic form of this visual language. Includes exploration into the structure of the deaf culture.

Communication Disorders Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

COMD 201

Disability and Communication Diversity: A Communication Disorders Perspective (4)

SPRING/SUMMER

[satisfies cultural and gender diversity university graduation requirement.]

Orientation for students to disability and to culturally different communication. Historical perspectives, disability culture, legislation and advocacy are issues covered. Cultural examples include deaf culture and English as a Second Language learners (ESL) in the United States.

COMD 301

Introduction to Communication Disorders (4)

FALL

This course is an overview of speech, hearing and language development, disorders and remediation.

COMD 304

Phonetics (4)

FALL

Course examines the motor and acoustic aspects of speech production, description, and classification of English phonemes, and broad transcription using the International Phonetic Alphabet.

COMD 311

Observation in Communication Disorders (2)

WINTER/SPRING

This course offers students the opportunity to observe communication disorder assessment and intervention. The student will be introduced to the basic essential ingredients of good therapy. The skills will be introduced and discussed in a classroom setting and reinforced through guided observation of speech-language and audiological assessment and intervention services within a clinical setting.

COMD 320

Speech and Hearing Science (4)

SPRING

Prerequisite: Completion of Natural Science GEGRs or permission of the instructor.

Study of acoustics and psychoacoustics of speech and hearing.

COMD 321

Anatomy and Physiology of Speech (5)

WINTER

Prerequisite: COMD 301 or concurrent enrollment; completion of Natural Science GEGRs or permission of the instructor.

A study of anatomy, physiology and physics as related to speech and voice production.

COMD 322

Communication Neuroscience (5)

SPRING

Prerequisite: COMD 321.

Study of the normal anatomy and physiology of the nervous system and its role in communication processes.

COMD 331

Language Development (4)

WINTER

Basic principles and sequences of language development; methods of observing, measuring and describing children's acquisition of language.

COMD 371

Aural Anatomy and Pathology (4)

WINTER

Prerequisite: COMD 301 or concurrent enrollment. Aural anatomy, physiology and pathology; etiology and treatment of hearing impairment.

COMD 372

Audiometry (4)

SPRING

Prerequisites: COMD 301, 371.

Acoustics and psychoacoustics; principles of auditory testing and interpretation of hearing tests.

COMD 405**Communication Disorders Services in the Schools (4)**

Prerequisites: Permission of the instructor and fulfillment of additional state requirements.

Designed to precede student teaching experience; provides further information about the special issues and problems encountered in the public school situation.

COMD 407**Survey of Psycholinguistics (3)**

Prerequisite: ENGL 360.

A survey of psycholinguistic processes: language comprehension, production and acquisition. (Cross-listed ENGL 461)

COMD 441**Assessment Principles and Techniques (4)**

WINTER

Prerequisites: Completion of all 300-level courses in the major.

Principles and techniques for assessing communication disorders, including formal and informal assessment methods, practical experience in test administration, theoretical and ethical issues, report writing and the relationship of assessment to treatment.

COMD 442**Intervention in Communication Disorders (4)**

SPRING

Prerequisite: COMD 441.

Development of the intervention plan including intervention strategies and rationale, construction of daily therapy plans, methods for data collection, and interpretation and evaluation of therapy outcomes.

COMD 451**Neurogenic Communication Disorders (4)**

FALL

Prerequisites: COMD 331, 322 or permission of the instructor.

Introduction to the etiology, assessment and intervention of communication disorders associated with neurological disorders.

COMD 455**Voice and Resonance Disorders (4)**

WINTER

Prerequisites: COMD 301, 304, 320, 322 or permission of the instructor.

Anatomy and physiology of the vocal mechanism with emphasis on functional, congenital and acquired voice disorders.

COMD 456**Fluency Disorders (4)**

SPRING

Prerequisite: COMD 301 or permission of the instructor.

Definitions and descriptions of fluency disorders and their effects on the speaker and listener. Examination of various theories of the etiology of stuttering and its assessment and treatment in children and adults.

COMD 457**Developmental Language Disorders (4)**

FALL

Prerequisites: COMD 301, 331 or permission of the instructor.

Measurement and analysis of developing language; etiology, assessment and intervention for developmental language disorders.

COMD 458**Articulation and Phonological Disorders (4)**

FALL

Prerequisites: COMD 301, 304, 320, 322 or permission of the instructor.

Normal phonological and articulatory development; etiology, assessment and intervention of articulation and phonological disorders.

COMD 459**Communication Problems in Developmental Disability (4)**

SPRING

Prerequisite: COMD 301 or permission of the instructor. Definitions and descriptions of developmental disabilities with an emphasis on mental retardation including cognitive, behavioral and communicative aspects. Assessment and treatment of communication disorders in these special populations.

COMD 461**Clinical Practicum in Communication Disorders (1-4)**

FALL/WINTER/SPRING/SUMMER

May be repeated for a maximum of 12 credits. Prerequisites: COMD 442 and permission of the instructor.

Supervised assessment and treatment of individuals with communication disorders.

COMD 473**Rehabilitative Audiology (4)**

WINTER

Prerequisite: COMD 371 or permission of the instructor. Objectives, theory and techniques in management of individuals with hearing impairments.

COMD 490**Senior Capstone: Professional Issues in Communication Disorders (4)**

SPRING

[satisfies senior capstone university graduation requirement.]

Prerequisites: Senior standing and concurrent registration of COMD 441, 442; or permission of the instructor.

This course is designed as a Senior capstone course and, as such, will focus on integration and application of the knowledge the student has accumulated in the field of communication disorders to issues affecting both the professional and those individuals served. The course will strive to facilitate student's thinking on these issues by requiring the completion of an assignment in which students must integrate and apply their body of knowledge in the profession to a novel issue or problem.

COMD 497**Workshops, Short Courses, Conferences (3)**

FALL/WINTER/SPRING/SUMMER

COMD 498**Departmental Seminar (1-5)**

FALL/WINTER/SPRING/SUMMER

COMD 499**Directed Study (1-5)**

FALL/WINTER/SPRING/SUMMER

Limited to senior and graduate students.

Prerequisite: Permission of the instructor.

Individual study projects in a selected special field of communication disorders.

COMD 520**Research Methods I: Literature (2)**

Prerequisite: Graduate standing or permission of the instructor.

This course inaugurates the student's research experience in the discipline. It emphasizes the importance of research to a scientific field and acquaints the student with the research literature. By the end of the course, students will have completed the introduction, review of literature and question components of their research proposals.

COMD 521**Research Methods II: Design (3)**

This course continues the student's research experience in the discipline. Emphasis is placed on understanding and applying experimental and descriptive research designs, recognizing threats to internal and external validity and identifying appropriate statistical procedures. By the end of the course, students will have completed the method and proposed data analysis sections of their research proposals.

COMD 523**Advanced Speech and Hearing Science (4)**

Prerequisite: Graduate standing or permission of the instructor.

Advanced study of acoustics, physiology, neurology and other related processes and phenomena as they apply to the science of human communication.

COMD 538**Phonological Acquisition and Behavior (4)**

Prerequisite: Graduate standing or permission of the instructor.

Advanced study in the theoretical background of the acquisition and development of the phonological system. The relationship between the phonological system and disorders and remediation will also be discussed.

COMD 539**Special Topics (1-5)****COMD 540****Pediatric Feeding and Swallowing (2)**

Prerequisite: Graduate study or permission of the instructor. Study of normal and atypical swallowing and feeding in infants and children.

COMD 541**Language and the Hearing Impaired (4)**

Prerequisite: Graduate standing or permission of the instructor.

This course is designed for speech-language pathology or audiology graduate and post-graduate students. It examines the communication problems common to hearing-impaired individuals including: language development, receptive language abilities, expressive language abilities, cognitive language abilities, articulation, social communication interactions and psychological effects. It deals with the problems inherent in both congenital and acquired hearing impairments and discusses the similarities and differences in individuals with mild, moderate, severe or profound hearing loss.

COMD 542**Infant and Toddler Communication and Language (4)**

Prerequisite: Graduate standing or permission of the instructor.

Advanced study in communication and language development and disorders in infants and toddlers, focusing on current theory, assessment and remediation.

COMD 543**School-age and Adolescent Language (4)**

Prerequisite: Graduate standing or permission of the instructor.

Development of language in typically developing and language impaired school aged and adolescent students; disorders; implications for assessment and intervention.

COMD 547**Augmentative Communication (4)**

Prerequisite: Graduate standing or permission of the instructor.

An in-depth study of the use of augmentative and alternative methods of communication for the non-speaking individual.

COMD 552**Neuropathologies of Language (4)**

Prerequisite: Graduate standing or permission of the instructor.

An advanced study of the language disorders that occur as a result of insult to the brain after birth, particularly after language acquisition. Emphasis is on aphasia and related disorders.

COMD 553**Voice and Resonance Disorders (3)**

Prerequisite: Graduate standing or permission of the instructor.

Etiology and characteristics of disorders of the laryngeal and resonance systems. Assessment and treatment of loudness, pitch and vocal and resonance problems.

COMD 554**Motor Speech Disorders (3)**

Prerequisite: Graduate standing or permission of the instructor.

An advanced study of motor speech disorders to prepare the students to work as part of neurological teams as informed contributors to team management of neurologically disordered participants. Particular content includes medical, surgical, educational and communication management.

COMD 556**Problems in Stuttering (3)**

Prerequisite: Graduate standing or permission of the instructor.

Advanced study of current theories, issues, problems and treatment approaches in the area of stuttering.

COMD 557**Cleft Palate and Other Cranio-Facial Anomalies (3)**

Prerequisite: Graduate standing or permission of the instructor.

Etiology and characteristics of cranio-facial anomalies and their effects on communication. Assessment and treatment of the speech problems associated with these disorders.

COMD 559**Dysphagia (4)**

Prerequisite: COMD 552, strongly recommended. Anatomy and physiology of swallowing; evaluation and treatment of swallowing disorders.

COMD 560**Speech-Language Pathology in the School Setting (4)**

Prerequisite: Graduate standing or permission of the instructor.

This course provides information about therapy methods and procedures and special issues in school settings. Also covered are policies and procedures for preparing for certification as a Speech-Language Pathologist in the State of Washington and all the state/federal laws affecting public school and clinical practice.

COMD 561**Clinical Practicum (3)**

May be repeated for credit with permission of instructor up to 12 credits.

Supervised clinical practice with communication disordered children and adults.

COMD 562**Advanced Clinical Practicum (3-6)**

May be repeated for credit with permission of instructor up to 24 credits.

Prerequisite: Permission from off-campus clinical practicum coordinator.

Extension of clinical skills into off-campus practicum sites. Students will apply theoretical concepts to evaluation, treatment planning and therapy services for communicatively handicapped children and adults in community settings.

COMD 563**Special Clinical Practicum (1-2)**

May be repeated with permission of instructor up to 4 credits.

Prerequisite: COMD 697 or permission of the Clinical Director.

This practicum is designed for post-internship students. It typically involves the assignment of a challenging client and carries an expectation of a high degree of independence in case management.

COMD 568**Advanced Assessment: Principles and Procedures (1)**

Graded Pass/No credit. To be taken three quarters.

Prerequisite: Graduate standing.

A learning module designed to facilitate the ability to gather, analyze and synthesize critical case information and make differential diagnoses of communication disorders. Includes independent problem-solving, development of treatment objectives from data and the writing of clinical reports.

COMD 569**Speech-Language Pathology in the Medical Setting (2)**

Prerequisite: By permission of the instructor.

Examination of the roles and responsibilities of the Speech-Language Pathologist in the medical setting; establishing programs and assessing efficacy of treatment; collaborating with the medical team; report writing, charting and third party reimbursement.

COMD 571**Auditory Perception (4)**

Prerequisite: Graduate standing or permission of the instructor.

Psychoacoustic and psychophysiological bases of auditory perceptual relationship between language and auditory processing.

COMD 572**Advanced Audiometric Procedures (4)**

Prerequisite: Graduate standing or permission of the instructor.

Behavioral and physiological principles and procedures in audiology for the differential diagnosis of auditory pathologies; considerations for the geriatric population.

COMD 573**Pediatric Audiology (4)**

Prerequisite: Graduate standing or permission of the instructor.

Auditory behavior and pathologies in children; procedures for assessment and the application to others who are difficult to test.

COMD 582**Clinical Perspectives (4)**

Prerequisite: Graduate standing and permission of the instructor.

A capstone course that is designed to help the student organize information from prior course work and utilize it in solving clinical problems.

COMD 596**Experimental Course (1-5)****COMD 597****Workshops (1-5)**

Note: Workshop credit cannot be used to fulfill graduate degree requirements.

COMD 598**Seminar in Communication Disorders (1-4)**

Prerequisite: Graduate standing or permission of the instructor.

Graduate level instruction in a specific content area in communication disorders utilizing a seminar format.

COMD 599**Independent Study (1-5)**

Prerequisite: Permission of the instructor.

Independent study project in a selected field of communication disorders.

COMD 600**Thesis (1-12)**

Prerequisite: COMD 520.

Under supervision of staff members, the graduate student organizes and formally writes and presents a research project in thesis form.

COMD 601**Research Project (1-12)**

Prerequisites: COMD 520, graduate standing or permission of the instructor.

The completion of a graduate level research project in an interest area within the discipline including oral and written presentations of the finished product.

COMD 696**College Teaching Internship (1-5)**

Prerequisite: Permission of the department chairman.

Teaching a lower division college course under supervision of a regular faculty member. Includes course planning, arranging bibliographical and other instructional aids, conferences with students, experience in classroom instruction and student and course evaluation.

COMD 697**Clinical Field Experience (6-12)**

Graded Pass/No Credit.

Prerequisite: Permission of the graduate advisor.

An internship of one or more quarters of professionally supervised experience in a departmentally approved clinical setting, agency or institution. This course may be taken as part of the MS program and will be required for those individuals seeking the Speech-Language Pathology Clinical Fellowship (SLPCF) through the American Speech-Language-Hearing Association when sponsorship is provided by an Eastern Washington University faculty member.

COMMUNICATION STUDIES

College of Social and Behavioral Sciences

Gary Krug, Chair

229 Communications Building (Cheney)

(509) 359-2870 (Cheney)

215 Spokane Center (Spokane) for master's program only

(509) 623-4395 (Spokane)

BA

Minor

MS

Faculty: J. Baker, P. Chantrill, S. Hering, E. Kissling, I. Klyukanov, G. Krug, J. Ratliff, P. Shiels, V. Shiels, G. Sinekopova, J. Stafford, S. Stearns

UNDERGRADUATE PROGRAMS

Welcome to the Communication Studies department. CMST faculty designed this degree to offer you a wonderful educational experience while simultaneously preparing you for successful employment.

The Bachelor of Arts Communication Studies offers you two options: (1) Communication Studies and (2) Communication Studies in Public Relations. Both options provide you with an introduction to concepts in communication and the social sciences. As you progress in your education, you will choose one course from each of the emphases areas of communication: Rhetorical and Cultural Studies, Organizational and Leadership Studies, and Language and Social Interaction Studies. In addition, if you choose the Communication Studies option (#1 above), you will choose a minimum of 14 electives credits from Communication Studies' courses. If you choose the Communication Studies in Public Relations option (#2 above), you will take JRNM 332, JRNM 451, JRNM 452, and JRNM 453 which is the Public Relations sequence, and either TECH 360, *Publishing for Print and the World Wide Web* or TECH 368, *Introduction to Web Page Design*. The BA degree in Communication Studies, both options, culminates in a senior capstone course which allows you to synthesize the knowledge and skills you have obtained while working on your degree.

All students are welcome to be majors in Communication Studies. Additional requirements for graduation from Communication Studies are:

1. You will need to participate in an engagement activity (e.g., community service, service learning, debate, internship, etc.) during your college years.
2. University requirements for Bachelor of Arts degrees require all students to have successfully completed two years of one foreign language at the high school level or one year of one foreign language at the college level. American Sign Language is accepted for this requirement.
3. You must have a minimum cumulative GPA of 2.0 by graduation.

For transfer students, the Communication Studies department accepts up to 25 transfer credits, from comparable courses, toward our BA.

The new program as proposed, has two degree option in the BA: Communication Studies and Communication Studies in Public Relations.

Bachelor of Arts (BA)

Communication Studies (59 credits)

Foundation

- CMST 209 Communication, Community and Citizenship (5)
- CSBS 310 Foundations of Social and Behavioral Science Theory (5)
- CSBS 330 Integrated Social Science Methods (5)
- CSBS/CMST Additional Methods Course(s) (for a total of 5 credits)
- CMST 470 Applied Quantitative Research Methods (5)
- CMST 471 Applied Qualitative Research Methods (5)
- CSBS 320 Introductory Statistics for the Social Sciences (5)
- CSBS 331 Documents Based Research Methods (5)
- or Additional 5 credit Methods Course with prior approval of CMST advisor
- CMST 309 Communication and Information (5)
- CMST 490 Senior Capstone Seminar: Communications Studies (5)

Core areas

Students will choose one class from each of the following three areas for a total of 15 credits:

Rhetorical and Cultural Studies

Focus on symbolic actions that exercise influence over human life. Emphases are on interpretive research as well as cultural, narrative and rhetorical analyses of cultural phenomena and artifacts.

- CMST 450 Rhetorical Theory and Criticism (5)
- CMST 451 Argumentation and Persuasion (5)
- CMST 452 Cultural Studies (5)
- CMST 458 Topics in Image, Messages and Meaning (5)

Organizational and Leadership Studies

Focus on structures and practices influencing communication in private and public institutions. Emphasizes humanistic and social science approaches to leadership in all forms of social organizations.

- CMST 430 Communication and Organizations (5)
- CMST 431 Communication Law and Ethics (5)
- CMST 432 Media Systems and Communication Technology (5)
- CMST 438 Topics in Leadership and Strategic Communication (5)

Language and Social Interaction Studies

Focus on sign systems such as language, gesture, film, etc. in human interaction. Emphasizes social scientific research approaches to interaction and language use in face-to-face and small group settings.

- CMST 410 Language and Social Interaction (5)
- CMST 411 Negotiation Skills and Strategies (5)
- CMST 413 Communication and Personal Relationships (5)
- CMST 418 Topics in Semiotics (5)

Electives

14 credits from any classes within the Communication Studies Department or from the Public Relations sequence in Journalism (JRNM 451, 452 and 453)

Engagement Requirements

Students must fulfill an engagement activity prior to graduation, but during their years attending college. This may be fulfilled in a variety of ways: service to the community, service to the University, a service learning project in a college course, participating on the debate team or an internship, etc.

Required foundation credits	30 credits
Required core credits	15 credits
Elective credits	14 credits
Total credits for above major	59 credits

Note: A minor is required for this degree.

Communication in Public Relations Option (66 credits)

Students seeking a degree in Communication in Public Relations Option must complete the Foundation and Core Area requirements for the BA in Communications Studies, plus the Public Relations Core requirements.

Public Relations Core Requirements

- JRNM 332 News Writing (5)
- JRNM 451 Introduction to Public Relations Theory (4)
- JRNM 452 Advanced Public Relations Theory (4)
- JRNM 453 Public Relations Writing (4)
- Choose one of the following (4) credits courses**
- TECH 360 Publishing for Print and the World Wide Web (4)
- or TECH 368 Introduction to Web Page Design (4)

Engagement Requirement

Students must fulfill an engagement activity prior to graduation, but during their years attending college. This may be fulfilled in a variety of ways: service to the community, service to the University, a service learning project in a college course, participating on the debate team or an internship, etc.

Required foundation credits	30 credits
Required core credits	15 credits
Required public relations credits	21 credits
Total credits for above option	66 credits

Minor

Communication Studies Minor (19-20 credits)

Choose courses that total at least 19 credits from Communication Studies course offerings with at least one five credit course from the 400-level offerings, excluding CMST 499.

Minimum total credits for above minor 19 credits
After your required and minor courses are completed, you may need additional hours to meet the University requirement of 180 hours. You should choose these courses with your needs in mind from either the communication studies offerings or other university offerings. Generally these courses should be 300 and 400 level courses.

GRADUATE PROGRAM

Igor Klyukanov, Director
215 Spokane Center
(509) 623-4395

The Department of Communication Studies does not offer a graduate degree program but does cooperate in the Master of Arts in College Instruction, the Master of Science in Communications, and in individualized interdisciplinary programs. Students interested in post-secondary teaching should refer to the College Instruction section in this catalog. The MS in Communications program is also described below. Proposed individualized interdisciplinary programs should be developed in consultation with a Communication Studies graduate advisor (509) 623-4395.

Master of Science in Communications

The Master of Science in Communications Program is an interdisciplinary professional program. It addresses the need for trained communication professionals, including public relations practitioners, advertising writers, educators, graphic designers, consultants, print and electronic journalists – anyone who must know how to create and manage messages in various contexts of today's dynamic world. The MSC program offers students a strong foundation in communication theory and methodology and encourages application in such emphasis areas as organizational, technological, instructional and cultural communication.

The program is designed for career-oriented individuals who want to advance in their chosen fields or to move from their undergraduate programs to the competitive job markets. The program is also useful for students who intend to pursue doctoral studies.

Applicants are admitted to the program throughout the academic year. In addition to the general university requirements for admission to graduate studies, applicants must submit the following directly to the MSC office: a written essay of no more than 1000 words describing their background and goals and how the program will help actualize those goals; résumé; at least two letters of recommendation. The MSC Director's recommendation for admission, based on an interview with the applicant, is required. Applicants must submit a GRE general score; the verbal section score will be given special consideration. If an undergraduate statistics course is not taken before admission to the program, it must be taken prior to taking the research methods sequence. Based on their credentials and entrance requirements, applicants may be asked to take some classes in addition to the courses in the program in order to correct deficiencies. At least one year's successful professional experience will enhance application.

Courses leading to the MSC degree are offered by the following programs:

- Business Administration
- College Instruction
- Communication Studies
- Computer Science
- Counseling, Educational and Developmental Psychology
- Education
- Engineering and Design
- Journalism
- Public Administration
- Rhetoric, Composition and Technical Communication

Core courses**Introductory Course**

CMST 568 Introduction to Graduate Studies (2)

Theory Courses

CMST 501 Advanced Communication Theory (5)
 CMST 502 Contemporary Trends in Communication Studies (5)

Methodology Courses

CMST 520 Communication Inquiry (3)
 CMST 521 Research Design and Analysis I (3)
 CMST 522 Research Design and Analysis II (3)

Writing Courses

ENGL 568 Writing in Organizations (3)

Technology Course

TECH 504 Communication Technologies (4)
 or CPLA 504 Information Systems-Computers (4)
 or CMST 504 Communication Systems (4)

Interdisciplinary Component

Students will choose a minimum of two courses from at least two of the following four emphasis areas – organizational, technological, instructional and cultural communication. One of these two courses must be the required course in the emphasis area. Suggested course offerings for each emphasis area are given below. Deviations from the suggested offerings must be petitioned in writing to, and approved by, the graduate faculty advisor and the MSC Director.

Organizational Communication

Focus: Role of messages, meanings, and information flows in and between organizations (private and public).

Required:

CMST 530 Communication in Organizations (5)

Electives:

CMST 438 Topics in Leadership and Strategic Communication (5)
 CMST 539 Special Topics (1–5)
 CMST 550 Problems in Contemporary Public Communication (5)
 CMST 569 Thesis Preparation (1)
 CMST 578 Seminar in Consulting Processes (4)
 CMST 598 Communication Seminar (1–5)
 BADM 541 Managerial Communications (4)
 CEDP 504 Theories of Human Development (4)
 CEDP 541 Group Processes (4)
 CEDP 544 Counseling Theory and Techniques (4)
 CEDP 545 Advanced Appraisal Techniques (4)
 JRNM 451 Introduction to Public Relations Theory (4)
 JRNM 452 Advanced Public Relations Theory (4)
 JRNM 453 Public Relations Writing (4)
 JRNM 498 Seminar in Journalism Problems (1–5)
 PADM 503 Concepts and Values of Public Service (4)
 PADM 511 Public Sector Organization Theory and Dynamics (4)
 PADM 517 Professional Employment (2)
 PADM 525 Public Sector Grants-Writing and Administration (4)
 PADM 571 The Political Executive (4)

Technological Communication

Focus: Role of existing and emerging forms of mediated communication among people and/or between people and interactive information resources.

Required:

TECH 504 Communication Technologies (4)
 or CMST 504 Communication Systems (4)
 or CPLA 504 Information Systems-Computers (4)

Electives:

CMST 539 Special Topics (1–5)
 CMST 569 Thesis Preparation (1)
 CMST 598 Communication Seminar (1–5)
 CSCD 498 Seminar/CSCD 539 Special Topics in Computer Science (4)
 CSCD 539 Topics in Computer Science: Multimedia Techniques (4)
 ENGL 503 Information Design (5)
 ENGL 504 Software Documentation (5)
 ENGL 556 Computers and Composition (5)
 TECH 463 Visual Communication Design III (4)
 TECH 550 Computer Graphics (4)
 TECH 596 Electronic Publishing (4)
 TECH 599 Ind. Study: Advanced Web Design (4)

Instructional Communication

Focus: Role of communication as developmental phenomenon in any learning environment.

Required:

CEDP 504 Theories of Human Development (4)
 or CMST 578 Seminar in Consulting Processes (4)

Electives:

CMST 539 Special Topics (1-5)
 CMST 550 Problems in Contemporary Public Communication (5)
 CMST 569 Thesis Preparation (1)
 CMST 598 Communication Seminar (1-5)
 CEDP 502 Theories of Learning (4)
 CEDP 503 Applied Learning Theory and Behavior Modification (4)
 CEDP 515 Advanced Educational Psychology (4)
 CEDP 541 Group Processes (4)
 CEDP 544 Counseling Theory and Techniques (4)
 CEDP 545 Advanced Appraisal Techniques (4)
 CEDP 546 Group Counseling (4)
 CEDP 581 Consulting Approaches and Applications (2)
 COIN 571 Survey of Post-Secondary Education (4)
 COIN 572 Strategies for Teaching Adults (4)
 CSED 590 Readings in Technology-Supported Education (1-2)
 EDUC 505 Current Issues in Education (4)
 EDUC 507 Philosophy and Organization of the American School (4)
 EDUC 530 Foundations of Educational Communication and Information Technology (4)
 EDUC 533 Instructional Systems Development (4)

Cultural Communication

Focus: Role of culture in the formation and transformation of meanings and power in human life.

Required:

CMST 570 Communication and Cultural Studies (5)

Electives:

CMST 411 Negotiation Skills and Strategies (5)
 CMST 414 Gender and Communication (5)
 CMST 440 International Communication (5)
 CMST 539 Special Topics (1-5)

CMST 550 Problems in Contemporary Public Communication (5)
 CMST 569 Thesis Preparation (1)
 CMST 598 Communication Seminar (1-5)
 ENGL 555 Contemporary Composition Theory (5)
 ENGL 573 History of Rhetoric (5)
 ENGL 575 Contemporary Rhetorical Theories (5)
 SOWK 555 Conflict Management (3)
 WMST 410 Feminist Theory (4)

Final Comprehensive Examination

Each student shall complete, before the awarding of the master's degree, a research report, thesis or other project which demonstrates the competence of the student in graduate level work in the program.

Each student shall complete an oral examination which will focus primarily on the master's project, but which may also include questions to demonstrate competence in all areas included in the program of that student. The student will provide copies of his/her master's project to the oral examination committee at least two weeks in advance of the scheduled oral examination. The oral examination committee will consist of two faculty members representing the interdisciplinary content of the student's program, and a third member designated by the Graduate Office. The final oral examination will be open to all interested faculty and students and may be open to questions by outside members at the discretion of the committee. Final oral examinations will not be held over vacation periods or during summer quarter except by advance approval of the committee chair, second member and graduate office representative. The final oral examination will not be longer than two hours.

Required core credits	28 credits
Interdisciplinary component credits	30 credits
Research component	2-6 credits
Minimum total credits for above master's degree	60 credits

Communication Studies Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

CMST 120**Speech Communication Competency (1)**

FALL/WINTER/SPRING

Note: Examination course only—this is not an instructional course. Graded Pass/No Credit.

A 10-hour examination of speech communication proficiencies in articulation, oral reading, listening comprehension, group discussion and presentational speaking.

CMST 200**Introduction to Speech Communication (4)**

FALL/WINTER/SPRING/SUMMER

Analyzes verbal interaction, barriers to communication, effective listening and the application of fundamental principles to one-to-one, small group and one-to-many experiences.

CMST 201**Public Speaking (5)**

FALL/WINTER/SPRING/SUMMER

This course is the study of the basic principles of public communication. This is a course in design, delivery, organization and presentation of speeches for public groups with an emphasis on informative and persuasive speeches, message delivery and presentation of visual aids.

CMST 209**Communication, Community, and Citizenship (5)**

FALL/WINTER/SPRING/SUMMER

[satisfies the GEQR for humanities and fine arts, list 3, philosophy and reasoning.]

This course is designed to develop critical thinking skills as exhibited in reasoning and argumentation, with a further goal of examining how the power of an individual's voice can affect society. The course begins with a study of the rhetorical tradition of reasoning and argumentation, including elements of ethics. As the course progresses students will analyze, from historical to modern times, examples of individuals using their voice and the resulting impact upon society. The course will culminate with students creating a reasoned, ethical argument as a final project.

CMST 210**Interpersonal Communication (5)**

WINTER/SPRING

This course is an exploration of the human communication process. It includes the perceptual and attribution processes surrounding messages, the construction of verbal and nonverbal messages, the functions of messages in interaction and the role of interpersonal communication processes on a variety of interpersonal relationship types.

CMST 250**Small Group Communication (5)**

FALL/WINTER

This course focuses upon theories, concepts and skills to improve small group communication with application to various task-oriented groups. This course emphasizes problem-solving communication and participant-leadership skills.

CMST 301**Political Communication (5)**

How Americans use oral and televised communication to confront and change their environment. Emphasis on American speakers in American political contexts. Topics vary.

CMST 305**Message Delivery (4)**

Prerequisite: Junior standing.

Analysis and application of message delivery techniques, focusing on voice and articulation, modes of delivery and style, communication apprehension, situational factors and visual support.

CMST 306**Presentation Graphics (2)**

Analyzes the elements and techniques for creating visual messages. Discusses integration of visual techniques for the presentation speaker.

CMST 309**Communication and Information (5)**

FALL/SPRING

An introduction to the history and development of communication theory. This is the first course in the communication major as well as the first course in communication theory. Topics include theory development, observation techniques, a survey of theories and ethical questions.

CMST 312**Nonverbal Communication (1-5)**

FALL/SPRING

This course is a variable credit course and will be offered from one to five credits. Topics that may be covered include the other-than-words side of human interaction within different cultures, genders, relationships and situations. There will be an emphasis on the basic theories of nonverbal communication and the interaction between nonverbal and verbal communication.

CMST 326**Debate (1-3)**

The in-class portion of this course teaches how to create, analyze and critique ideas and how to build or defend a reasoned argument. The out-of-class competition portion of this course includes individual events, such as informative and persuasive speaking and oral interpretation. This course may be repeated for a total of six credits applied toward the CMST major or minor.

CMST 331**Interviewing (5)**

FALL/WINTER/SPRING

This course is an introduction to the principles of interviewing theory and practice. The communication components of interviewing are examined from both the interviewer's and the interviewee's perspective. Topics include the process of planning, managing and analyzing the interview. Then, a variety of topical interviews such as selection, performance review, counseling, discipline, termination, focus groups, research, information gathering, information giving, media, sales and client intake are examined through this process in an organizational and communication context.

CMST 335**Conference Management (4)**

Focuses on the analytical and critical investigation of the communication process in the conference setting as a means of enhancing communication effectiveness. Provides hands-on experience in selecting a conference theme, designing a public conference, recruiting resource people, advertising the conference, registering participants and conducting the conference.

CMST 340**Intercultural Communication (5)**

FALL/WINTER/SPRING/SUMMER

[satisfies cultural and gender diversity university graduation requirement.]

Study of the basic principles of face to face interaction in intercultural and cross-ethnic situations. Topics include perception, stereotypes, prejudice, world views, ethnocentrism, racism, the attribution process and uncertainty reduction.

CMST 351**Communicative Reasoning (5)**

Logical development and support of arguments, analysis of evidence, briefing of arguments and practice in debate. In addition, this course is designed to prepare students to use practical reasoning applied to persuasive communication situations, to give students a general background on the basic principles of argumentation, and to engage critical and analytical thinking skills in order to identify, understand and resolve communication problems.

CMST 383**Communication Assessment (1)**

FALL/WINTER/SPRING

Graded Pass/No Credit.

This course is an introduction to the Department of Communication Studies, required of all majors, providing students with the information necessary to develop their required portfolios during their junior and senior years and to diagnose students' visual, written, oral, mathematical and computer competence.

CMST 395**Field Work in Communication Studies (1-5)**

FALL/WINTER/SPRING/SUMMER

Directed student participation in the communication processes or problems of an industry, a political campaign or a non-profit organization.

CMST 396**Experimental Course in Communication Studies (1-15)**

FALL/WINTER/SPRING/SUMMER

CMST 397**Workshop in Communication Studies (1-5)**

FALL/WINTER/SPRING/SUMMER

Training programs or workshops emphasizing practical knowledge and skills. Topics vary.

CMST 399**Special Studies (1-5)**

FALL/WINTER/SPRING/SUMMER

Subjects reflect recent developments in the field of human communication.

CMST 400**Message Design (5)**

An investigation of message construction for large, public audiences. Stress on invention, organization and style. Includes speech writing and written message design.

CMST 404**Women and Men in Communications (1)**

This course explores issues which directly affect both male and female classroom experiences. We will study unexamined cultural patterns which can affect communication in elementary, secondary, baccalaureate or post-baccalaureate education and will examine choices in curriculum planning, textbook selection and teacher/student interaction patterns which affect educational experiences of students in the classroom. Specific suggestions for change and classroom activities will be developed. (Cross-listed WMST 404)

CMST 410**Language and Social Interaction (5)**

A study of language and communication from two aspects: form and strategy. The formal study entails the examination of patterns, rules and structures of language, conversation and discourse. The strategy study focuses on the use of language and communication for accomplishing identity goals, relational goals and instrumental goals.

CMST 411**Negotiation Skills and Strategies (5)**

The basic premise of this course is that one needs strong negotiation and analytical skills for effective communication. Hence, the goal of this course is to help the student to understand the theory of negotiation and to master its main strategies. The course will allow the student to develop negotiation skills experientially and to appreciate the nature and role of effective negotiation. The course is relevant to any student pursuing a career in a social science field since, as a working professional, the student will face many conflict problems that can be best resolved through effective negotiation.

CMST 413**Communication and Personal Relationships (5)**

An advanced examination of the verbal and nonverbal communication processes in the development, maintenance, breakdown and repair of personal relationships, including romantic, friendship and family relationships.

CMST 414**Gender and Communication (5)**

[satisfies cultural and gender diversity university graduation requirement.]

Prerequisite: One 300-level course in Communication or Women's Studies or permission of the instructor. This course examines current research on the interactions among language, gender and communication in contemporary social and cultural contexts. (Cross-listed WMST 414)

CMST 418**Topics in Semiotics (5)**

The basic premise of this course is that communication is a process whereby meanings are generated and interpreted through signs. Hence, the overall goal of the course is to show how the process of generation and interpretation of meaning can be studied from the perspective of semiotics, i.e., the discipline that studies signs and their meanings. The course provides a general introduction to the nature, role and kinds of signs in communication. The subject matter of semiotics, or sign theory, is illustrated in such areas as language, myth, media, etc.

CMST 419**Sex, Sexuality, and Communication (5)**

Prerequisite: One WMST course or CMST course.

This seminar examines the construction of sexuality and sexual identity through communication, with a focus on the relationship between public policy and private sexuality. (Cross-listed WMST 419)

CMST 420**Secondary Speech Communication Methods (4)**

Objectives and methods of establishing an effective speech communication program for junior and senior high school students.

CMST 430**Communication in Organizations (5)**

FALL/WINTER

The study of communication systems, channels, networks and barriers; the role of communication in organizational assessment and change; the relationship between communication practices and organizational effectiveness, corporate image and credibility.

CMST 431**Communication Law and Ethics (5)**

This course examines the legal limitations on human communication, as well as the rights and responsibilities of professional communicators.

CMST 432**Media Systems and Communication Technology (5)**

This course is designed to allow students to explore mass media systems and technology and their interaction with and upon society. Students will learn the historical perspective of media systems and technology along with issues of media convergence upon our lives, specifically upon our communication.

CMST 438**Topics in Leadership and Strategic Communication (5)**

WINTER

This course is a variable topic course focusing on leadership and/or strategic communication. Areas which might be covered include skills training, readings in the knowledge and techniques of leadership and the effective use of strategic communication. This course is designed to be both a theory and application course.

CMST 440**International Communication (5)**

[satisfies international studies university graduation requirement.]

A study of culturally conditioned communication behavior as it affects intercultural relationships between people from different nations. Includes value and belief orientations, language and thought, speech styles, world views, nonverbal codes, communication breakdowns and acculturation.

CMST 450**Rhetorical Theory and Criticism (5)**

This course will survey contemporary theories of rhetorical communication and analyze areas of methodological controversy. We will discuss topics such as communication's role in defining humanity, power and communication, marginal groups and public discourse, gender/sex and rhetoric, evidence and public policy argument and the impact of emerging communication technologies on methodological applications. We will operate from the assumption that language reflects, selects and deflects reality in its construction of how we perceive the world.

CMST 451**Argumentation and Persuasion (5)**

This course is designed to introduce students to a variety of theoretical perspectives and views of argumentation and persuasion, with a particular focus on both logical development and support of arguments and effective persuasion in today's world. Students examine current texts and images to see how to create powerful persuasive messages. Students create and critique arguments and persuasive messages necessary for effective performance as a producer and consumer of persuasive communication.

CMST 452**Cultural Studies (5)**

This course is designed as an introduction to theoretical, historical developments and current issues of cultural studies as an interdisciplinary subject. In this course key topics in culture and communication will be discussed, such as language, representation, subjectivity, power, ideology, identity, modernity and post-modernity and globalization.

CMST 458**Topics in Image, Messages, and Meaning (5)**

This course allows students to learn effective visual and written communication in the creation of meaning. Students will be offered the opportunity to gain knowledge and build on this information by evaluating others' efforts at message design, and then by creating their own effective image and/or message to convey meaning.

CMST 470**Applied Quantitative Research Methods (5)**

WINTER/SPRING

This is an applied quantitative research methods course designed for seniors. This course will allow students to understand and apply knowledge in two or three qualitative methodologies. (e.g., focus groups, in-depth interviews, ethnography, discourse analysis, historical critical analysis and rhetorical analysis. Students will conduct research and data analysis.

CMST 471**Applied Qualitative Research Methods (5)**

This is an applied qualitative research methods course designed for seniors. This course will allow students to understand and apply knowledge in two or three qualitative methodologies. (e.g., focus groups, in-depth interviews, ethnography, discourse analysis, historical critical analysis and rhetorical analysis. Students will conduct research and data analysis.

CMST 480**Pre-Internship Workshop (2)**

Must be taken at least one quarter before internship. May be taken as early as the first quarter of the junior year.

CMST 481**Internship Workshop (2)**

FALL/WINTER/SPRING/SUMMER

Must be taken at the same time as the internship, CMST 495.

CMST 483**Portfolio Assessment (1)**

This course is a senior level required course for all students enrolled in the Bachelor of Arts in Communication Studies. It is designed for students to exhibit their communication skills and knowledge by presenting their portfolios to faculty members in the Department of Communication Studies, by making a presentation and by taking a final comprehensive exam,

CMST 490**Senior Capstone Seminar: Communications Studies (5)**

[satisfies senior capstone university graduation requirement.]

Senior Capstone is a required course for all students graduating with degrees in Communication Studies. Communication topics integrated into course content will include audiences, codes, interaction, power and influence, strategy, ethics, messages and contexts. In a seminar format and focused on contemporary issues relating to communication, the course will focus on the professional development of communication studies students. Students will also prepare and defend a portfolio.

CMST 495**Internship (3-15)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: CMST 480. Must be taken concurrently with CMST 481.

Directly supervised student practicum in the internal and/or external communication processes of a business or professional organization.

CMST 496**Experimental Course in Communication Studies (1-5)**

FALL/WINTER/SPRING/SUMMER

See quarterly Course Announcement for current listings.

CMST 497**Workshop in Communication Studies (1-5)**

FALL/WINTER/SPRING/SUMMER

Training programs or workshops designed to give you practical knowledge and skills in specific areas of communication.

CMST 498**Seminar in Communication Studies (1-5)**

FALL/WINTER/SPRING/SUMMER

May be repeated for credit.

Major speech communication issues in the areas of public address, group communication, rhetorical theory, speech education, speech criticism, argumentation, persuasion, or intercultural communication.

CMST 499**Special Studies in Communication Studies (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: Junior standing, permission of the instructor. Individual study projects in a selected area of human communication.

CMST 501**Advanced Communication Theory (5)**

This advanced course emphasizes the role of theory in the process of communication inquiry. The course covers a variety of communication theories, reflecting the diverse aspects of the field. In the course communication is analyzed from several theoretical standpoints: as message transfer, as practical art, as mediation by signs, as sharing of experiences,

as socio-cultural order and as arrangement of power. The course shows how advanced theory can be used in the analysis of traditional and emerging communication contexts. (Cross-listed CEDP 501)

CMST 502**Contemporary Trends in Communication Studies (5)**

Prerequisite: CMST 501.

A survey of the progress of research in communication theory and the exploration of the directions the research will take in the 21st Century.

CMST 504**Communication Systems (4)**

The course consolidates and extends existing knowledge of media and mass communications as institutions and sets of practices. The interlinkage of media forms, institutional constraints, ideologies, law and economics are explored as these affect the construction and interpretation of specific media messages.

CMST 520**Communication Inquiry (3)**

This course is designed to provide students with knowledge of the history and philosophy of science. This course is the first in a three part sequence on research methods. This course provides the theoretical basis of research methodology.

CMST 521**Research Design and Analysis I (3)**

Prerequisites: Completion of a statistics course (undergraduate or graduate level) and CMST 520.

This course is designed to present experimental and survey methodologies, with a special emphasis upon knowing when to choose which method, how to apply the method and how to interpret the results. Computer statistical analyses are a requirement of this course. Information on how to write quantitative research reports will also be presented and students will be expected to write a quantitative research report.

CMST 522**Research Design and Analysis II (3)**

Prerequisites: Completion of a statistics course (undergraduate or graduate level) and CMST 520.

This course is designed to present a minimum of three qualitative methods, with a special focus upon acquiring the ability to apply and understand the results from these methods. Computer programs and basic statistical analysis may be a requirement of this course. Information on how to write qualitative research reports will also be presented and students will be expected to write a qualitative research report.

CMST 530**Communication in Organizations (5)**

The focus is on communication systems, channels, networks and barriers. Also included is a consideration of the role of communication in organizational change, auditing organizational communications, the relationship between communication and organizational effectiveness and communication training programs.

CMST 539**Special Topics (1-5)****CMST 550****Problems in Contemporary Public Communication (5)**

Problems inherent in adjusting ideas to people in the United States primarily during the last 15 years. Discussion of rhetorical strategy and tactics included in public apologetics, demagoguery, conflict, public argument and persuasion.

CMST 568**Introduction to Graduate Studies (2)**

Prerequisite: Graduate standing or permission of the instructor. Must register concurrently for ENGL 568.

The course is designed to introduce new students to the expectations of our graduate program. Students will learn to write a review of the literature, meet faculty members and learn of the various interdisciplinary concepts of study available in the program.

CMST 569**Thesis Preparation (1)**

Prerequisites: 10 credits of graduate course work.

This class is designed as a workshop to help MSC students develop a proposal for their master's thesis or research project. Students in other graduate programs may find it useful as well, but it is intended especially for MSC students who have been admitted to candidacy, are nearly finished with course work and are ready to begin their thesis work.

CMST 570**Communication and Cultural Studies (5)**

Prerequisite: Admittance to a graduate program or the instructor's permission.

This course examines the post-structuralist and interdisciplinary roots of cultural studies and explores the theoretical and methodological problems and issues central to cultural studies scholarship, including the construct of subcultures and the relationship of power to the cultural formations of identity and difference, institutions, ideologies, artifacts, consumption and production. Skills and methods: social change advocacy, critical analysis, writing, presentation, and the synthesis, conceptualization, and evaluation of how we theorize about, interpret, and critique cultural artifacts and practices.

CMST 578**Seminar in Consulting Processes (2)**

This course is designed to present the types of professional consulting and general approaches to consulting methodology. It outlines the basic knowledge, skills and resources that are tools for consulting; introduces the nature and role of change; and helps students to evaluate their own consulting skills and to design a program to improve them.

CMST 596**Experimental Course (1-5)****CMST 597****Workshops (1-5)**

Note: Workshop credit cannot be used to fulfill graduate degree requirements.

CMST 598**Seminar (1-5)****CMST 599****Independent Study (1-5)**

Individual study projects in a selected area of human communication.

CMST 600**Thesis (1-6)**

Prerequisite: Admission to Master of Science in Communications. Independent research study under the direction of a graduate advisory committee.

CMST 601**Graduate Research in Communication Studies (1-6)**

COMPUTER SCIENCE

College of Science, Health and Engineering**Paul Schimpf, Chair**

319A Computing & Engineering Building

(509) 359-6260, (509) 359-6065

paul.schimpf@mail.ewu.edu

Margo Dalager Stanzak, Operations Manager

319C Computing & Engineering Building

(509) 359-4734

mdalager@mail.ewu.edu

Robert Lemelin, Director of Computer Literacy

345 Computing & Engineering Building

(509) 359-6016

robert.lemelin@mail.ewu.edu

Spokane Office

314 SIRT Building

665 N. Riverpoint Blvd., Spokane

(509) 358-2060

Department Office

319F Computing & Engineering Building

compsci@mail.ewu.edu

website: compsci.ewu.edu

Computer Literacy

complit@mail.ewu.edu

website: ewu.edu/cpla

BA, BS**Minors****M Ed, MS**

Faculty: D. Bickerstaff, T. Capaul, R.W. Clark, R. Hamel, K. Imamura, A. Inoue, L. Kieffer, R. Lemelin, R. Pickett, J. Putnam, T. Rolfe, J. Shovic, S. Simmons, R. Steele, S. Steiner

Part-Time/Adjunct Faculty: P. Schimpf

UNDERGRADUATE PROGRAMS

Computer Science is a rapidly evolving and exciting discipline, dealing with the theory and practice of creating, organizing, representing, manipulating, presenting, distributing and archiving information in an automatic processing environment. Computerized information systems and embedded computer systems are critical in almost every field, and continue to evolve. As computer applications have increased in number and complexity, so has the need for highly-trained specialists in computer systems hardware and software. Research in computer science continues to broaden and extend our knowledge and to provide new opportunities.

A study of computer science has strong advantages. First of all, it provides a challenging and satisfying intellectual activity that can be carried forward into graduate school and throughout one's life. Secondly, our graduates achieve a high degree of success in building careers in both public and private sectors.

Research Facilities and Equipment: The campus network provides Internet connection from residence halls, computer labs, offices and classrooms to the global research community and to remote computing resources.

More specialized computing facilities include:

Center for Network Computing and Cyber Security: This highly secure state of the art lab contains support materials and hardware for computer science courses in secure client/server network programming; Web server security; network intrusion methods; and computer forensics. In addition, the lab also houses a Linux driven parallel computing cluster for those CS students pursuing studies in distributed computing.

Multimedia Lab: Equipped with professional grade software and hardware, the multimedia lab offers CS students an excellent environment for creating and developing quality multimedia products and services.

Classroom Labs: Computer Science and Computer Literacy courses requiring hands-on instruction with operating system and application software are scheduled in one of several teaching labs.

Lower Division Computer Science Lab: A student staffed “tutor lab” for Computer Science students seeking help with the rudimentary and intermediate programming concepts, algorithms, syntax, and compilers/integrated development environments (IDE) introduced in their lower division courses.

Upper Division Computer Science Lab: Designed to support junior and senior level Computer Science and Computer Information Systems courses, this lab is equipped with powerful Unix/Linux/Windows workstations and servers made available for course projects in software design; three-tiered client/server application development; relational database design and administration; and signal processing.

Computer Architecture Lab: Eastern Computer Science students studying the fundamentals of hardware design and implementation including field-programmable gate array design; embedded systems; concurrent and real-time programming; and computer architecture are granted access to this highly specialized lab.

Opportunities for Students: Upper-division majors may check with the department operations manager concerning the possibility of applying for work-study and departmental positions as student teaching assistants, paper graders, tutors, or computer consultants. If hired, a student may work up to 19 hours per week.

Many of our students are able to obtain internships with both local and distant companies as well as governmental organizations where they not only put to test the theory and skills learned in the academic setting, but also gain a great deal of new knowledge and an understanding of current practices in the work place. These students find the internship experience an excellent opportunity to refine their own career aspirations and to make valuable contacts for future employment.

All students in our programs are strongly urged to join the student chapter of the Association for Computing Machinery (ACM). This group sponsors colloquia, field trips, programming contests and social events.

Preparation: High school students who want to pursue a major in this department should complete at least three years of high school mathematics, including a course in their senior year. Students may take computer science courses that are available in their high schools, but not at the expense of mathematics courses. High school students are also urged to take laboratory science courses, four years of English and a keyboarding course.

Community college transfer students interested in Computing Sciences should pursue the mathematics courses pertinent to the degree of choice, as well as an advanced sophomore level composition course. Students can check the transfer guides available at their community college to determine which courses are equivalent for both general education requirements and courses that may apply for the major. Courses taken to apply for the major should be taken late in the community college experience, just prior to transferring to EWU.

All prospective department majors should contact the Computer Science Department to obtain the latest information to aid them in planning a program of study. Prerequisites are strictly enforced by the department to ensure that material in advanced courses can be taught for the maximum benefit to the students. See grading requirements section below.

Major Declaration

Freshman and transfer students entering Eastern with an interest in the computing sciences are encouraged to declare their major with us immediately. All that is required is a short advising session with the operations manager, department chair, or academic and admissions advisor.

At the initial advising appointment the student is asked to bring copies (unofficial are fine) of all college-level work. At that advising session the student will have the opportunity to review the course requirements, ask any questions, prepare a quarterly schedule and declare the major. Declaring a major requires agreeing to abide by the Department’s *Canons of Professional Conduct*, which is available on the department’s website (www.ewu.edu/compsci).

Special Advanced Status Policy

Formal application for advancement in the major is required after the student has successfully completed several indicator courses. Students usually apply while completing the last of the following courses: CSCD 260, 300, ENGL 201, and MATH 162 or 163 or 301. Departmental majors must have advanced in the major before registering from most 400-level computer science courses.

Advancement in the major will be provided to those who, in the judgment of the faculty, are most likely to succeed in the program. Because of the dynamic nature of computing sciences programs, the degree program in effect *at the point of advancement* shall determine graduation requirements.

Application for Advancement: The student will submit a completed application form, which addresses academic performance in general and in specific indicator courses, along with a formal letter requesting advancement. This letter is addressed to the Department Operations Manager and addresses the student’s career goals, the elements of his or her background that he or she feels demonstrate the aptitude to be successful in computer science and explanatory remarks concerning his or her experiences and academic career to date. This cover letter must include a reaffirmation that the student has read, understood and will comply with the Code of Ethics and Professional Conduct of both the Computer Science Department and the ACM (www.acm.org/constitution/code.html).

Advancement Programming Exam (APE): Prior to advancement students are required to pass an examination based on the material in CSCD 300, *Data Structures*, which will demonstrate programming ability.

Advancement Prerequisite Guidelines

1. Achieve an overall university GPA of at least 2.5
2. Achieve a computer science grade average of at least 2.7
3. Achieve at least 2.7 in, CSCD 210, 211, 260, 300 and (240 for all except BA in Multimedia and Web Programming)
4. Achieve at least a 2.7 in, ENGL 201 or ENGL 205
5. Achieve at least a 2.5 in, MATH 162 or 163 (for BS in CS or BA in CS Theory programs) or 301 (for other programs)
6. Successfully complete the Advancement Programming Exam

See grading requirements section below.

Selection Process

A faculty committee will select students for advancement in the major. Criteria will include:

- Score on Advancement Programming Exam
- Overall and departmental GPA
- Work experience
- Grades in required and elective courses
- Progress toward the degree
- Communication skills
- Evidence of dedication and purpose
- Well-roundedness and involvement (as demonstrated by membership in a computer professional society (ACM, IEEE), a service club, ASEWU or as a community volunteer)
- Affirmed commitment to the *Code of Ethics and Professional Conduct*

The faculty committee may a) admit the student to advanced status in the degree program applied for, b) recommend advancement in a different degree

program, c) recommend transfer to a program in another department, or d) require the student to complete additional preparation before advancement. The department is committed to guiding every student to successful completion of a bachelor's degree.

Grade Requirements: A student must maintain a 2.5 overall university GPA and a Computer Science GPA of at least 2.7. Each computer science course that is used by the student as a prerequisite to another computer science course must have a 2.7 grade. Attainment of 2.7 in these courses is subject to the course repeat policy below. Each supporting course that is used by the student as a prerequisite to a computer science course must be at a 2.5 or better, subject to the course repeat policy. A 2.0 is required in all other Computer Science, Communications, Mathematics, Engineering and Technology courses used in our majors and minors.

Course Repeat Policy: Students will be allowed to repeat a course once for a grade substitution for purposes of satisfying computer science grade requirements. Following any subsequent repeats, satisfactory completion will be determined by averaging the grades of all repeats of the course.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)

3D Animation/Game Development Option (114–121 credits)

The BA in Computer Science-3D Animation/Game Development Option focuses on the study of story development, character design, storyboarding, lighting, camera composition and sound design as it relates to the animation/game industry. The students will design and create 3D animations for computer assisted training, games, marketing, other forms of electronic media.

The program provides a foundation in computing sciences and is designed for students seeking positions in the feature film industry, the video game industry, and studios creating television animation and/or commercials.

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses

Computer Science

CSCD 110 Introduction to Programming (4)
(or placement in Programming Principles I)
CSCD 210 Programming Principles I (5)
CSCD 211 Programming Principles II (5)
CSCD 216 3D Modeling & Animation I (4)
CSCD 240 C and Unix Programming (4)
CSCD 260 Architecture and Organization I (4)
CSCD 300 Data Structures (4)
CSCD 310 Discrete Structures (4)
CSCD 350 Software Engineering (4)
CSCD 416 3D Modeling & Animation II (4)
CSCD 417 3D Modeling & Animation III (4)
CSCD 470 3D Computer Graphics Principles (4)
CSCD 490 Computer Ethics Senior Capstone (4)
CSCD 494 Senior Project (4)

Supporting Courses

Art

ART 300 Drawing (5)

Communications

CMST 200 Introduction to Speech Communication (4)
or CMST 201 Public Speaking (5)

Engineering & Design

ENGR 160 Digital Circuits (4)
TECH 216 Computer Graphics (4)
TECH 263 Visual Communication Design I (4)
TECH 350 Digital Imaging and Photography (4)
TECH 393 Technology in World Civilization (4)

English

ENGL 201 College Composition: Analysis, Research, and Documentation (5)
or ENGL 205 Introduction to Technical Communication (5)

Mathematics

MATH 301 Discrete Math (5)

Philosophy

PHIL 210 Critical Thinking (5)

Electives

Select 4 courses for a total of 16–18 credits: at least 2 from Group A.

Group A - select at least two classes

CSCD 305 C++ Programming (4)
CSCD 320 Algorithms (4)
CSCD 411 Multimedia Techniques (4)
CSCD 414 Multimedia Programming (4)
CSCD 418 3D Modeling & Animation IV (4)
CSCD 471 Advanced 3D Computer Graphics Programming (4)
CSCD 474 Computer Games Development (4)
CSCD 476 Advanced 3D Modeling & Animation Topics (4)
CSCD 4xx Approved CSCD 421 or above (4)
TECH 363 Visual Communication Design II (4)
TECH 463 Visual Communications Design III (4)
TECH 498 Digital Video Edition (4)

Group B

ART 107 Basic Design (5)
ART 207 Color Design (5)
ART 365 Sculpture (5)
ART 401 Life Drawing (5)

Required computer science credits	54–58 credits
Required art credits	5 credits
Required communication credits	4–5 credits
Required engineering & design credits	20 credits
Required English credits	5 credits
Required math credits	5 credits
Required philosophy credits	5 credits
Elective credits	16–18 credits
Minimum total credits for above option	114 credits

Multimedia & Web Programming Option (109–117 credits)

The BA in Computer Science-Multimedia & Web Programming Option focuses on the study of text, graphics, animation, video, design and object oriented programming. The students will design and create CDs and World Wide Web applications for computer assisted training, games, marketing, web-based training, distance learning, kiosks and other forms of electronic media.

The program provides a foundation in computer science and allows the student to acquire breadth by choosing additional courses in three areas.

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses

Computer Science

CSCD 110 Introduction to Programming (4)
(or placement in Programming Principles I)
CSCD 210 Programming Principles I (5)
CSCD 211 Programming Principles II (5)
CSCD 260 Architecture and Organization I (4)
CSCD 300 Data Structures (4)
CSCD 310 Discrete Structures (4)
CSCD 350 Software Engineering (4)
CSCD 411 Multimedia Techniques (4)
CSCD 414 Multimedia Programming (4)
CSCD 419 Multimedia Development (4)
CSCD 490 Computer Ethics Senior Capstone (4)
CSCD 494 Senior Project (4)

Concentration (8 credits)

Select one of the following two-course sequences.
CSCD 378–379 Web Programming
CSCD 216–416 3D Animation

Supporting Courses

Communications

CMST 200 Introduction to Speech Communication (4)
or CMST 201 Public Speaking (5)

Engineering and Design

ENGR 160 Digital Circuits (4)
TECH 368 Introduction to Web Design (4)
TECH 369 Advanced Web Design (4)
TECH 393 Technology in World Civilization (4)

English

ENGL 201 College Composition: Analysis, Research and Documentation (5)
or ENGL 205 Introduction to Technical Communication (5)

Mathematics

MATH 301 Discrete Math (5)

Philosophy

PHIL 210 Critical Thinking (5)

Electives

Select 5 courses for a total of 20–23 credits; select at least one from each group; at least two must be upper division. Students must be aware of the 60 credit upper division requirement and select courses accordingly.

Group 1

CSCD 240 C and UNIX Programming (4)
CSCD 320 Algorithms (4)
CSCD 305 C++ Programming (4)
CSCD 330 Network Programming (4)
CSCD 340 Operating Systems (4)
CSCD 370 Graphical User Interface Programming (4)
CSCD 398–399 Seminar-Directed Study (prior approval required) (4)
CSCD 417 3D Modeling & Animation III (4)
CSCD 479 Web Programming-Security (4)
CSCD 495 Internship (4)
CSCD 498–499 Seminar-Directed Study (prior approval required) (4)
Other course (4) (prior approval of the department required)

Group 2

TECH 216 Computer Graphics (4)
TECH 263 Visual Communications Design I (4)
TECH 343 Typography (4)
TECH 350 Digital Imaging and Photography (4)
TECH 360 Publishing for Print and the World Wide Web (4)
TECH 363 Visual Communications Design II (4)
TECH 373 Multimedia Production (4)
TECH 463 Visual Communications Design III (4)

Group 3

EMAF 110 Introduction to Electronic Media Production (5)
CMST 309 Communication and Information (5)
CMST 340 Intercultural Communication (5)
CMST 400 Message Design (5)
CMST 414 Gender and Communication (5)
CRWR 210 Introduction to Creative Writing (5)
CRWR 417 Creative Writing Workshop (5)
ENGL 305 Professional Communication (5)
ENGL 404 Software Documentation (5)
ENGL 409 Editing in Technical Communication (5)
MKTG 310 Principles of Marketing (4)

Required computer science	46–50 credits
Required concentration	8 credits
Required communications	4–5 credits
Required engineering & design	16 credits
Required English	5 credits
Required mathematics	5 credits
Required philosophy	5 credits
Elective credits	20–23 credits
Minimum total credits for above option	109 credits

Theory Option (112–122 credits)

The Bachelor of Arts degree in Computer Science Theory Option provides the student with a well-developed background in mathematical techniques as well as in computer hardware and software principles. A minor in mathematics is possible in this degree with proper choice of electives. This program is intended to prepare students both for lifelong learning and for innovative and productive problem solving.

The program prepares students for graduate study in the computing sciences and for professional careers as innovative researchers and software developers.

This four-year program is designed for the computer literate freshman who is qualified to begin Calculus. To finish in four years the student must be prepared to take full loads of up to eighteen credits, though averaging fifteen credits.

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses**Computer Science**

CSCD 110 Introduction to Programming (4)
(or placement in Programming Principles I)
CSCD 210 Programming Principles I (5)
CSCD 211 Programming Principles II (5)
CSCD 240 C and UNIX Programming (4)
CSCD 260 Architecture and Organization I (4)
CSCD 300 Data Structures (4)
CSCD 310 Discrete Structures (4)
CSCD 320 Algorithms (4)
CSCD 340 Operating Systems (4)
CSCD 350 Software Engineering (4)
CSCD 420 Automata (4)
CSCD 490 Computer Ethics Senior Capstone (4)
CSCD 494 Senior Project (4)

Supporting Courses**Communications**

CMST 200 Introduction to Speech Communication (4)
or CMST 201 Public Speaking (5)

Engineering & Design

ENGR 160 Digital Circuits (4)
TECH 393 Technology in World Civilization (4)

English

ENGL 201 College Composition: Analysis, Research, and Documentation (5)
or ENGL 205 Introduction to Technical Communication (5)

Mathematics

MATH 161 Calculus I (5)
MATH 162 Calculus II (5)
MATH 163 Calculus III (5)
MATH 231 Linear Algebra (5)

Philosophy

PHIL 210 Critical Thinking (5)

Electives

Select five courses for a total of 20–25 credits; at least two from Group A, and 1 from Group B. At least three electives must be upper division. Students must be aware of the 60 credit upper division requirement and select courses accordingly.

Group A: At least 2

CSCD 305 C++ Programming (4)
CSCD 333 Network Programming (4)
CSCD 370 Graphical User Interface Programming (4)
CSCD 380 Information & Knowledge Management (4)
CSCD 495 Internship (4)
CSCD 4XX Approved Computer Science electives (4)

Group B: At least 1 (Must take MATH 255 and one other for Math Minor)

MATH 225 Foundations of Mathematics (5)
MATH 360 Continuous Functions (4)
MATH 345 Numerical Analysis I (4)
MATH 370 Survey of Geometries (4)
MATH 385 Probability and an Introduction to Statistics (4)

Group C: At least 1

BIOL 171 Biology I (4)
and BIOL 270 Biological Investigation (3) (counts as 1 course)
CHEM 151 General Chemistry (5)
GEOL 120 Physical Geology-The Solid Earth (5)
GEOL 121 Physical Geology-Surficial Processes (5)
MATH 241 Calculus IV (5)
MATH 347 Introductory Differential Equations (4)
MATH 386 Applied Statistics (4)
MATH 431 Introduction to Modern Algebra I (4)
MATH 445 Numerical Analysis II (4)
MATH 447 Differential Equations (4)
MATH 485 Theoretical Probability and Mathematical Statistics (4)
MATH 3XX Approved Math course (4)
MATH 4XX Approved Math course (4)
PHIL 301 Introduction to Formal Logic (5)
PHYS 151 General Physics I (4) with lab 161, 162, 163, or 164
PHYS 152 General Physics II (4) with lab 161, 162, 163, or 164
PHYS 161 Mechanical Lab (1)
PHYS 162 Heat and Optics Lab (1)
PHYS 163 Instrumentation Lab I (1)
PHYS 164 Instrumentation Lab II (1)

Required computer science credits	50–54 credits
Required communications credits	4–5 credits
Required engineering & design credits	8 credits
Required English credits	5 credits
Required mathematics credits	20 credits
Required philosophy credits	5 credits
Elective credits	20–25 credits
Minimum total credits for above option	112 credits

Bachelor of Science (BS)

Computer Information Systems Major (118–128 credits)

The Bachelor of Science degree in Computer Information Systems is based on IS 2002: Model Curriculum and Guidelines for Undergraduate Degree Programs in Information Systems, developed by the Association for Computing Machinery (ACM), Association for Information Systems (AIS) and Association of Information Technology Professionals (AITP).

This program provides CIS majors with a sound educational base for entry-level positions in IS development and career growth, including extending their knowledge through graduate study and research. The objective of the program is to ensure that graduates have a solid foundation for lifelong learning coupled with specific skills which will prepare them to help organizations realize the promises of information systems.

The program contains a rich blend of courses exposing students to both business fundamentals and information system technologies. During the junior and senior years, the program provides students opportunities to develop interpersonal and team skills while designing, developing and using a variety of information systems.

The four-year program is designed for the computer literate freshman who is qualified to begin a math proficiency course and the writing proficiency course. To finish in four years the student must be prepared to take full loads averaging sixteen credits. Many students will require more than twelve quarters, necessitating part of a fifth year or summer sessions.

Required Courses

Computer Science

- CSCD 110 Introduction to Programming (4)
(or placement in Programming Principles I)
- CSCD 210 Programming Principles I (5)
- CSCD 211 Programming Principles II (5)
- CSCD 240 C and UNIX Programming (4)
- CSCD 260 Architecture and Organization I (4)
- CSCD 300 Data Structures (4)
- CSCD 307 Information Systems Development (4)
- CSCD 310 Discrete Structures (4)
- CSCD 320 Algorithms (4)
- CSCD 330 Network Programming (4)
- CSCD 340 Operating Systems (4)
- CSCD 350 Software Engineering (4)
- CSCD 370 Graphical User Interface Programming (4)
- CSCD 378 Web Programming I (4)
- CSCD 425 Database Management Systems (4)
- CSCD 427 Database Programming (4)
- CSCD 490 Computer Ethics Senior Capstone (4)
- CSCD 494 Senior Project (4)

Supporting Courses

Communication Studies

- CMST 200 Introduction to Speech Communication (4)
or CMST 201 Public Speaking (5)

Engineering & Design

- ENGR 160 Digital Circuits (4)

English

- ENGL 201 College Composition: Analysis, Research, and Documentation (5)
or ENGL 205 Introduction to Technical Communication (5)

Mathematics

- MATH 301 Discrete Mathematics (5)
or MATH 161 Calculus I (5)
and either
- MATH 380 Elementary Probability and Statistics (5)
or both DSCI 245 Data Analysis for Business (4) and
DSCI 346 Advanced Data Analysis for Business (4)

Accounting

- ACCT 251 Principles of Financial Accounting (5)
or ACCT 301 Financial Accounting (4)

Economics

- ECON 100 General Education Economics (5)
or ECON 200 Introduction to Microeconomics (5)
or ECON 201 Introduction to Macroeconomics (5)
or ECON 300 Microeconomics (5)
or ECON 301 Macroeconomics (5)

Marketing

- MKTG 310 Principles of Marketing (4)

Elective

Three additional electives for a total of 12–13 credits — select at least one from each group.

Group A

- CSCD 379 Advanced Web Programming (4)
- CSCD 398–399 Seminar–Directed Study (4)
- CSCD 4XX Approved Computer Science Course (4)
- CSCD 495 Internship (4)
- CSCD 498–499 Seminar–Directed Study (pre-approved) (4)

Group B

- FINC 335 Financial Management (4)
- GEOG 328 Geographic Information Systems I (5)
- MISC 483 Information Systems Management (4)
- OPSM 330 Operations Management (4)
- Other Course (4) (prior approval of the department required)

Required computer science credits	70–74 credits
Required communication studies credits	4–5 credits
Required engineering credits	4 credits
Required English credits	5 credits
Required mathematics credits	10–13 credits
Required accounting credits	4–5 credits
Required economics credits	5 credits
Required marketing credits	4 credits
Elective credits	12–13 credits
Minimum total credits for above major	118 credits

Bachelor of Science (BS)

Computer Science Major (139–146 credits)

The Bachelor of Science degree in Computer Science is accredited by the Computing Accreditation Commission of ABET (111 Market Place, Suite 1050, Baltimore, MD 21202, 410-347-7700).

This program provides majors with a sound educational base from which they can either extend their knowledge through graduate study and research, or branch out into a variety of occupation-oriented specialty areas. The objective of the program is to ensure that graduates have a solid foundation for lifelong learning coupled with specific skills which will prepare them to deliver on the promise of computer technology.

The program contains a rich blend of software, architecture and theory courses. During the junior and senior years, the program allows the student a choice of sequence specialties such as compiler design, intelligent systems, computer hardware, computer graphics, operating systems, database systems, computer security and computing theory. A minor in mathematics is possible in this degree with proper choice of electives.

The four-year program is designed for the computer literate freshman who is qualified to begin calculus and the writing proficiency course. To finish in four years the student must be prepared to take full loads averaging sixteen credits each quarter. Many students will require more than twelve quarters, necessitating part of a fifth year or summer sessions.

Required Courses

Computer Science

- CSCD 110 Introduction to Programming (4)
(or placement in Programming Principles I)
- CSCD 210 Programming Principles I (5)
- CSCD 211 Programming Principles II (5)
- CSCD 240 C and UNIX Programming (4)
- CSCD 260 Architecture and Organization I (4)
- CSCD 300 Data Structures (4)
- CSCD 310 Discrete Structures (4)
- CSCD 320 Algorithms (4)
- CSCD 330 Network Programming (4)
- CSCD 340 Operating Systems (4)

CSCD 350 Software Engineering (4)
 CSCD 360 Architecture and Organization II (4)
 CSCD 370 Graphical User Interface Programming (4)
 CSCD 380 Information and Knowledge Management (4)
 CSCD 490 Computer Ethics Senior Capstone (4)
 CSCD 494 Senior Project (4)

Senior Sequence: Select one of the following two course sequences for a minimum of 8 credits.

CSCD 420–501 Theory of Computing
 CSCD 421–422 Compiler Design
 CSCD 425–427 Database Programming
 CSCD 433–434 Network Security
 CSCD 441–442 Operating Systems
 CSCD 461–467 Computer Architecture
 CSCD 470–471 3D Computer Graphics
 CSCD 480–481 Computational Intelligence
 CSCD 480–482 Intelligent Informatics

Required Supporting Courses

Communication Studies

CMST 200 Introduction to Speech Communication (4)
 or CMST 201 Public Speaking (5)

Engineering & Design

ENGR 160 Digital Circuits (4)

English

ENGL 201 College Composition: Analysis, Research, and Documentation (5)
 or ENGL 205 Introduction to Technical Communication (5)

Mathematics

MATH 161 Calculus I (5)
 MATH 162 Calculus II (5)
 MATH 163 Calculus III (5)
 MATH 231 Linear Algebra (5)
 MATH 380 Elementary Probability and Statistics (5)
 or MATH 385 Probability and An Introduction to Statistics (4)
 or MATH 386 Applied Statistics (4)

Required Laboratory Science Course

Choose one of the following sequences:

Biology

BIOL 171 Biology I (4)
 BIOL 172 Biology II (4)
 BIOL 173 Biology III (4)
 BIOL 270 Biological Investigation (3)

Chemistry

CHEM 151 General Chemistry I (5)
 CHEM 152 General Chemistry II (5)
 CHEM 153 General Chemistry III (5)

Geology

GEOL 120 Physical Geology – The Solid Earth (5)
 GEOL 121 Physical Geology – Surficial Processes (5)
 GEOL 122 Historical Geology (5)

Physics

PHYS 151 General Physics I (4)
 PHYS 152 General Physics II (4)
 PHYS 153 General Physics III (4)
 PHYS 161 Mechanics Lab (1)
 PHYS 162 Hear and Optics Lab (1)
 PHYS 163 Instrumentation Lab I (1)

Note: One additional Natural Science GEGR from a different department must be taken as part of this degree.

Electives

Three additional electives — Select from the following list for a minimum of 12–13 credits at least one course must be taken from CSCD.

CSCD 305 C++ Programming (4)
 CSCD 398–399 Seminar – Directed Study (4)
 CSCD 4XX Approved Computer Science Course (4)
 CSCD 495 Internship (4)
 CSCD 498–499 Seminar–Directed Study (4)
 MATH 225 Foundations of Math (5)
 MATH 360 Continuous Functions (4)
 MATH 345 Numerical Analysis I (4)
 MATH 347 Introductory Differential Equations (4)
 MATH 386 Applied Statistics (4) (if not used as a requirement)
 MATH 431 Introduction to Modern Algebra (4)
 MATH 485 Theoretical Probability and Mathematical Statistics (4)
 Other Course (4) (prior approval of the department required)

Required computer science credits

62–66 credits

Required senior sequence credits

8 credits

Required communication studies credits

4–5 credit

Required engineering credits

4 credits

Required English credits

5 credits

Required mathematics credits

24–25 credits

Required laboratory science credits

20 credits

Elective credits

12–13 credits

Minimum total credits for above major

139 credits

Note: The above major will require more than 12 terms (or 4 years) to complete at an average of 15 credits per term.

Minors

Students in nearly any major may wish to choose one of the minors below, since a basic knowledge of the theory and practice of computing is useful in a wide variety of fields.

Note: Students minoring in computing sciences are subject to the same grade and advancement requirements as listed for the majors.

3D Animation Minor (20–24 credits)

The Minor provides the skills necessary to meet an increasing demand for 3D modeling and animation developers. Included is the study of 3D modeling, 3D animation, character animation, animation scripting, and advanced animation tools.

Note: Student must earn at least 2.7 in each required computer science course and 2.5 in TECH 216.

Required Courses

CSCD 110 Introduction to Programming (4)
 (or other approved programming course)
 CSCD 216 3D Modeling & Animation I (4)
 CSCD 416 3D Modeling & Animation II (4)
 CSCD 417 3D Modeling & Animation III (4)
 CSCD 418 3D Modeling & Animation IV (4)
 TECH 216 Computer Graphics (4)

Minimum total credits for above minor

20 credits

Computer Applications Minor (28–30 credits)

The Minor in Computer Applications is designed for students in many different majors who need to have knowledge of a variety of computer applications. After completion of the core computer literacy courses, the student selects additional elective courses covering computer applications. Elective courses can address a variety of topics such as educational software, web page development, art, business, mathematics and technology applications.

Required Courses

CPLA 120 Computer Applications Literacy (5)
 CPLA 121 Intermediate Computer Applications Literacy (5)
 CPLA 215 Internet and WWW Basics (2)

Electives (Choose from the following courses)

ART 303 Digital Art I (5)
 ART 403 Digital Art II (5)
 CPLA 339 Presentation Software (4)
 CSCD 411 Multimedia Techniques (4)
 CSCD 419 Multimedia Development (4)
 CSED 311 Computers in the Classroom (4)
 CSED 312 Classroom Uses of Integrated Software (2)
 MISC 311 Information Technology in Business (4)
 MISC 374 Spreadsheet Modeling for Business Applications (4)
 TECH 360 Publishing for Print and the World Wide Web (4)
 TECH 263 Visual Communication Design I (4)
 TECH 317 Computer Aided Drafting (4)
 TECH 368 Introduction to Web Page Design (4)

Additional 3–5 credit upper division courses approved by the advisor for this minor

Required program credits

12 credits

Elective credits

16–18 credits

Minimum total credits for above minor

28 credits

Computer Information Systems Minor (26–30 credits)

Demand for computer skills, including database management and design, make this minor a good choice in support of a variety of majors.

Note: Student must earn at least 2.7 in each required computer science course counted toward the minor and Advancement Programming Exam clearance is required.

Required Courses

CSCD 110 Introduction to Programming (4)
 (or placement in CSCD 210)
 CSCD 210 Programming Principles I (5)

CSCD 211 Programming Principles II (5)
 CSCD 300 Data Structures (4)
 CSCD 307 Information Systems Development (4)
 CSCD 425 Database Management Systems (4)
 CSCD 427 Database Programming (4)

Minimum total credits for above minor **26 credits**

Computer Science Minor (26–30 credits)

This minor provides a solid core of computer science knowledge in support of other fields of inquiry and employment.

Note: Student minoring in Computer Science must earn at least 2.7 in each computer science course and a 2.5 in ENGR 160.

Required Courses

CSCD 110 Introduction to Programming (4)
 (or placement into CSCD 210)
 CSCD 210 Programming Principles I (5)
 CSCD 211 Programming Principles II (5)
 CSCD 260 Architecture and Organization I (4)
 CSCD 300 Data Structures (4)
 ENGR 160 Digital Circuits (4)

Electives

*Select one course from approved CSCD courses (at least 4 credits).
 Advancement Programming Exam clearance may be required.
 Permission is needed for courses CSCD 395–399, CSCD 495–499.*

Required program credits **22–26 credits**

Elective credits **4 credits**

Minimum total credits for above minor **26 credits**

Multimedia and Web Design Minor (24 credits)

This minor provides a strong computer programming foundation followed by courses which emphasize design and programming skills needed to create and maintain websites.

Required Course

CSCD 494 Senior Project (4)

Electives

Choose 5 classes from the following list:

CSCD 378 Web Programming (4)
 CSCD 379 Advanced Web Programming (4)
 CSCD 411 Multimedia Techniques (4)
 CSCD 416 3D Modeling and Animation II (4)
 CSCD 419 Multimedia Development (4)
 TECH 216 Computer Graphics (4)
 TECH 368 Introduction to Web Page Design (4)
 TECH 369 Advanced Web Design (4)

or other elective with prior approval by the department

Required program credits **4 credits**

Elective credits **20 credits**

Total credits for above minor **24 credits**

Multimedia Programming Minor (26–30 credits)

This minor provides a strong computer programming foundation followed by courses designed to provide the knowledge and skills needed in the fast growing area of multimedia. Students must earn a 2.7 in each computer science course and Advancement Programming Exam clearance is required for CSCD 414.

Required Courses

CSCD 110 Introduction to Programming (4)
 (or other approved programming course)
 CSCD 210 Programming Principles I (5)
 CSCD 211 Programming Principles II (5)
 CSCD 300 Data Structures (4)
 CSCD 411 Multimedia Techniques (4)
 CSCD 414 Multimedia Programming (4)
 CSCD 419 Multimedia Development (4)

Minimum total credits for above minor **26 credits**

Web Programming Minor (22–26 credits)

This minor provides a strong computer programming foundation followed by courses which emphasize design and programming skills needed to create and maintain websites. Students must earn a 2.7 in each computer science course and a 2.5 in each supporting course counted in the minor.

Required Courses

CSCD 110 Introduction to Programming (4)
 (or other approved programming course)
 CSCD 210 Programming Principles I (5)
 CSCD 211 Programming Principles II (5)
 CSCD 368 Introduction to Web Design (4)

CSCD 378 Web Programming (4)
 CSCD 379 Advanced Web Programming (4)

Minimum total credits for above minor **22 credits**

GRADUATE PROGRAMS

Master of Education Degree

Computer and Technology Supported Education

Linda Kieffer, Program Advisor

316 Computing and Engineering Building

(509) 359-7093

linda.kieffer@mail.ewu.edu

Eastern's master's programs for teachers provide the needed technical and pedagogical expertise needed by leaders in education. Graduates are prepared to model computer use, integrate technology into the classroom, utilize networks and information sources, and prepare hypermedia and multimedia materials. In addition, he or she is prepared to evaluate and create technology-supported instruction, design and conduct staff development activities, and coordinate building-wide or district-wide technology use.

In addition to offering the MEd programs outlined below, the Department regularly constructs individual interdisciplinary MS programs in computer education and instructional technology.

Each candidate's knowledge, skill, and experiences will be evaluated against national standard guidelines (given to each applicant prior to admission). A candidate with a limited computer background may be required to take 2, 4 or 6 credits of CSED 590 (Readings in Technology-Based Education) to meet those guidelines.

Admission Requirements/Preparation

Applicant must meet all EWU requirements for admission to graduate study and have a current teaching certificate and demonstrated competence in use of computers.

Common Requirements and Credit Hours

1. EDUC 520 Methods of Educational Research (4)
2. Psychological Foundations of Education:
 CEDP 515, 518, or CEDP 519 (4)
3. Historical, Philosophical and Social Foundations of Education:
 EDUC 502, 503, 505, 506, 507 (any two) (8)

Area Specialization

CSED 591, 592, 593, 594 Computer/Technology core (16)
 CSED 415 Internet and World Wide Web in the Classroom (2)
 CSED 492 Computer Networking Lab (2)
 CPLA 504 Information Systems-Computers (4)
 Approved Electives (8)
 CSED 601 Research Report (4)

Common requirement credits **16 credits**

Area specialization credits **36 credits**

Total credits for above master's degree **52 credits**

Master of Science in Computer Science

Timothy Rolfe, Program Advisor

313 Computing and Engineering Building

(509) 359-6162

timothy.rolfe@mail.ewu.edu

The Master's Program in Computer Science has been designed to provide opportunities for professional growth in this rapidly changing field. The program provides a balance between practical, up-to-date applications-oriented content and a strong theoretical framework for continued learning. The computational systems option serves those students wishing to pursue the traditional path in computer science, and the software systems option serves those seeking a hybrid computer science/information systems degree. There is also flexibility within the options that allows individual students to emphasize areas of particular interest.

Admission Requirements/Preparation

The petitioner must (a) complete the Computer Science departmental questionnaire, (b) meet all Eastern Washington University requirements for admission to graduate study, (c) supply transcripts showing the entrance courses below or their equivalent and (d) International students must provide a TOEFL score of 580 or greater (237 CBT).

All applications for admission must be accompanied by a statement of purpose, a self-evaluation of the potential for completion and two letters of recommendation. At least one of the letters must be from a computer science instructor or equivalent. The letters of recommendation will be waived for students receiving a degree from this department.

Individuals not having completed the entrance requirements may petition for probationary admission.

Two options are available in the program: The traditional computational systems option will appeal to those with a traditional computer science background with its emphasis on math, hardware and theory. The software systems option serves students with a background in computer information systems emphasizing database management and software engineering.

Entrance Courses for the Computational Systems Option:

CSCD 210 and 211 Programming Principles I and II
 CSCD 228 Introduction to Unix
 CSCD 229 C Programming Language
 CSCD 300 and 320 Data Structures and Algorithms
 CSCD 330 Network Programming
 CSCD 340 Operating Systems
 CSCD 360 Architecture and Organization II
 CSCD 420 Automata
 MATH 161, 162, and 163 Calculus I, II, and III
 MATH 231 Linear Algebra
 MATH 225 Foundations of Mathematics
 or MATH 301 Discrete Mathematics

Entrance Courses for the Software Systems Option:

CSCD 210 and 211 Programming Principles I and II
 CSCD 228 Introduction to Unix
 CSCD 229 C Programming Language
 CSCD 300 and 320 Data Structures and Algorithms
 CSCD 330 Network Programming
 CSCD 340 Operating Systems
 CSCD 420 Automata
 (*CSCD 420 may be deferred and taken as part of the "additional electives" section of the degree.)
 CSCD 425 Database Management Systems
 MATH 231 Linear Algebra
 MATH 301 Discrete Mathematics

Master of Science in Computer Science**Requirements****Core Requirements**

The following courses are required of all students in all options of the Master of Science in Computer Science degree program:

CSCD 501 Design and Analysis of Algorithms (4)
 CSCD 524 Software Engineering (4)
 CSCD 540 Advanced Topics in Modern Operating Systems (4)
 CSCD 547 Computer Networks (4)
 CSCD 580 Intelligent Systems (4)

Option Requirements: 500 level courses (12)**Computational Systems Option**

CSCD 575 Computer Systems Design (4)
 Two courses in a focus area approved by the department in preparation for research project/thesis (8)

The focus courses may be from Computer Science, Mathematics, or approved related discipline.

Software Systems Option

CSCD 525 Advanced Database Management Systems (4)
 Two courses in a focus area approved by the department in preparation for research project/thesis (8)

The focus courses may be from Computer Science, Management Information Systems or approved related discipline.

Electives

These courses must be numbered 400 or above, and must be pre-approved by student's program advisor. These courses may be from Computer Science, Mathematics, Management Information Systems or other appropriate departments.

Research Requirement

This may be satisfied by (1) CSCD 600 Thesis or (2) CSCD 601 Research Report. Either alternative requires that the student produce clear and concise written work. This work will be presented as part of student's final oral examination.

Note: The courses CSCD 538 Topics in Computer Hardware and CSCD 539 Topics in Computer Science may each apply more than once, provided distinct topics are studied.

Required core credits**20 credits****Option requirement credits****12 credits****Elective credits****14 credits****Research requirement credits****6 credits****Total credits for above master's degree****52 credits**

Interdisciplinary: In addition to the master of science in computer science and the master of education in computer and technology supported education the department offers numerous customized interdisciplinary master's degree programs in cooperation with other departments. Call the department office for further information.



Computer Literacy Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

CPLA 100

Computer Literacy I (1)

FALL/WINTER/SPRING/SUMMER

Graded Pass/No Credit. Does not count toward the 180 credit requirement.

[satisfies the pre-university basic skills, computer literacy.]

Course fee. Passing this course gives clearance of Computer Literacy Part I.

This course is an introduction to computer concepts. Hardware, software and operating systems are presented on both Windows and Mac platforms. An introduction to word processing, presentation software and an introduction to basic Internet use are provided.

CPLA 101

Computer Literacy II (1)

FALL/WINTER/SPRING/SUMMER

[satisfies the university competencies, computer literacy.]

Course fee. Passing the literacy exam at the end of this course gives clearance of Computer Literacy Part II.

Prerequisite: CPLA 100 or Computer Literacy Part I clearance.

Students will be introduced to and develop skills in spreadsheets, databases and the process of locating informational and reference materials using simple and refined Internet searches. Students will explore societal issues of security, privacy, viruses and computer crime.

CPLA 120

Computer Applications Literacy (5)

FALL/WINTER/SPRING/SUMMER

Course fee. This course includes preparation for and testing of Computer Literacy I and II so that students may satisfy Computer Literacy requirements by taking this course and passing the literacy tests.

This course introduces students to fundamental computer concepts designed to give an overview of computers, the Internet and The World Wide Web. Students will develop knowledge and skills in word processing, presentation software, spreadsheets, databases, web page creation, and locating informational and reference materials using simple and refined Internet searches. No previous computer background is assumed.

CPLA 121

Intermediate Computer Applications Literacy (5)

Prerequisites: CPLA 100 and 101 or CPLA 120.

A study of popular microcomputer software including, but not limited to word processing, electronic spreadsheet, database, desktop publishing, presentation graphics, Internet and Web tools. Course uses the Windows environment.

CPLA 131

Intermediate Word Processing (1)

Prerequisites: CPLA 100 and 101 or CPLA 120.

Building upon the foundation knowledge established in CPLA 100 or 120, and expanding knowledge and facility in the use of a word processing program.

CPLA 132

Intermediate Spreadsheets (1)

Prerequisites: CPLA 100 and 101 or CPLA 120.

Building upon the foundation knowledge established in CPLA 101 or 120, and expanding knowledge and facility in the use of an electronic spreadsheet program.

CPLA 133

Intermediate Presentation Software (1)

Prerequisites: CPLA 100 and 101 or CPLA 120.

Building upon the foundation knowledge established in CPLA 100 or 120, and expanding knowledge and facility in the use of a presentation software program.

CPLA 134

Intermediate Database Software (1)

Prerequisites: CPLA 100 and 101 or CPLA 120.

Building upon the foundation knowledge established in CPLA 101 or 120, and expanding knowledge and facility in the use of a database software program.

CPLA 199

Directed Study (1-5)

CPLA 215

Internet and WWW Basics (2)

FALL/WINTER/SPRING

Prerequisite: Computer Literacy II clearance.

Investigation of the Internet and The World Wide Web (WWW). Web searching and research techniques on the Web are presented. Each student will create a home page. Use of electronic mail, mailing lists, news readers and FTP will be explored. Issues associated with the Internet and WWW will be discussed including privacy and social impact. Projects utilizing the Internet and WWW are major parts of the course.

CPLA 339

Presentation Software (4)

Prerequisite: Computer Literacy II clearance.

Explore several presentation software packages. Examples including education, business and personal uses of presentation software packages will be used for context as the abilities and techniques of presentation software is presented.

CPLA 396

Experimental Course (1-5)

CPLA 398

Seminar (2-5)

CPLA 496

Experimental Course (1-5)

CPLA 499

Directed Study (1-5)

CPLA 504

Information Systems—Computers (4)

Prerequisite: CPLA 120 or equivalent.

Computers as information tools from a societal-cultural perspective; impacts of information systems in an organizational environment, on society and on the individual, and the future directions in which the forces of technology and computing are tending to move us. Particular emphasis is given to applied ethical and privacy issues involving computer use. Students will practice small group communications with colleagues and with undergraduate computing sciences majors.

CPLA 601

Project Report (2-16)

A research study in lieu of a bound thesis conducted as partial fulfillment of a master's degree under the direction of a graduate committee.

Computer Science Courses

CSCD 110

Introduction to Programming (4)

FALL/WINTER/SPRING

Prerequisites: CPLA 100 or CPLA I test with score of 80 or better or CPLA 120 and [MATH 104 with a minimum grade of 2.5 or placement into MATH 114 or higher].

Students learn fundamental programming concepts, programming environment topics and current technologies in computing. Programming concepts include structure and design using pseudo-code, basic syntax, variables, arithmetic, decisions, repetition, input and output. Programming environment topics include editor use, saving, compiling, running and debugging. Programming projects are required.

CSCD 132

Programming in Basic (3)

FALL

Prerequisite: Computer Literacy.

The standard BASIC language with emphasis on modular program development through user-defined subprograms and functions.

CSCD 196

Experimental Course (1-5)

CSCD 199

Directed Study (1-5)

CSCD 205

Programming Principles I Lab (1)

FALL/WINTER/SPRING

Prerequisite: Concurrent enrollment in CSCD 210 is required.

This course provides a hands-on introduction to the programming environment and programming concepts used in CSCD 210, *Programming Principles I*. Programming environment topics include compiling, saving, printing and running programs, and using the debugger. Programming concepts covered will consist of a review of those presented in CSCD 210, including syntax, program structure, and program design.

CSCD 210

Programming Principles I (5)

FALL/WINTER/SPRING

Prerequisites: Successful completion of assessment/ placement exam; CSCD 110 with a minimum of 2.7 or previous programming experience; MATH 114 with a minimum grade of 2.5, or MPT into MATH 105 or higher. This course covers the concepts and practices of information representation, computer algorithms, hardware organization and computer program design and implementation. Students write, run, debug, analyze and evaluate computer programs. Topics include primitive data types, number systems, file I/O classes, control structures, method design and usage, ID arrays - sorting and searching algorithms. Programming projects are required.

CSCD 211

Programming Principles II (5)

FALL/WINTER/SPRING

Prerequisites: [CPLA 101, or CPLA 2 test with score of 80 or above, or CPLA 120] and [CSCD 210 with a minimum grade of 2.7] and [MATH 105 or MATH 114 with a minimum grade of 2.5] and concurrent enrollment in MATH 106 or MATH 301 or MATH 380.

This course continues coverage of concepts introduced in Programming Principles I. Topics include basic sorting and searching, 2D arrays, recursion, data abstraction, polymorphism, inheritance, interfaces, inner classes, abstract classes, object cloning, file I/O, basic GUI design, exception handling and threads. Programming projects are required.

CSCD 216**3D Modeling & Animation I (4)**

FALL/SPRING

Prerequisites: CPLA 100, or CPLA I test with score of 80 or above, or CPLA 120; and sophomore standing.

This course includes the fundamental concepts and implementation of 3D animation using current 3D modeling and animation software. Topics include basics of modeling, texturing and animation. This course requires 3D projects.

CSCD 230**Scientific Programming in Fortran (5)**

Prerequisite: MATH 106 or equivalent.

A thorough study of the FORTRAN language and computer programming, in which programs are written based on problems from scientific and engineering disciplines.

CSCD 234**Visual Basic Programming (3)**

Prerequisite: CSCD 132 or 225 or 255.

An exploration of the syntax and programming techniques of the Visual Basic environment. Students will study and write programs involving fundamental aspects of Visual Basic from properties of forms and controls to database access and operating system calls.

CSCD 240**C and Unix Programming (4)**

FALL/WINTER/SPRING

Prerequisites: Either CSCD 211 or CSCD 255 with a minimum grade of 2.7; Math Proficiency with a minimum grade of 2.5.

This course includes program development tools of the UNIX operating system and syntax and programming techniques of the C language in that environment. UNIX topics include interactive shells, common text editors, utility programs, file system structure, libraries and operating system calls and system programming. C topics include data types, structures, pointers and pointer arithmetic, arrays, linked lists, and function design and use. Programming projects are required.

CSCD 255**C Programming for Engineers (5)**

WINTER

Prerequisite: MATH 105 or Math Proficiency.

Learning to use the "C" language in the context of beginning computer science concepts and engineering practices. This course will provide students with a familiarity with the C programming language, skills and understanding of programming concepts, experience programming in a structured, modular manner consistent with accepted programming practices and basic programming principles in the context of engineering problems.

CSCD 260**Architecture and Organization I (4)**

FALL/WINTER/SPRING

Prerequisites: CSCD 211 with a minimum grade of 2.7; a minimum grade of 2.5 in ENGR 160 and in Math Proficiency.

This course covers fundamentals of digital computer design and microcomputer systems. Topics include number systems, Boolean algebra, basic digital circuits and an instruction set for a microprocessor. Homework assignments will include use of current software for the design, analysis, and simulation of digital circuits, assembly language programming emphasizing I/O device access and features that support high level languages. Programming projects are required.

CSCD 298**Seminar (1-5)**

FALL/WINTER/SPRING/SUMMER

CSCD 299**Special Studies (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: Permission of the instructor and the department chair.

Subjects studied vary according to student and faculty interest.

CSCD 300**Data Structures (4)**

FALL/WINTER/SPRING

Prerequisites: CSCD 211 with a minimum grade of 2.7, and a minimum grade of 2.5 in MATH 106 or in MATH 301 or in MATH 380.

This course covers fundamental abstract concepts of data structures as well as their implementation in a programming language. Topics include linked lists, stacks, queues, hashing, recursion, complexity analysis of algorithms, binary search trees and heaps. Programming projects with formal documentation are required.

CSCD 305**C++ Programming (4)**

SPRING

Prerequisite: A minimum grade of 2.7 in CSCD 255 or in both CSCD 211 and CSCD 240.

This course teaches the C++ programming language. Topics include basic syntax, pointers, memory management, classes, inheritance and polymorphism, exception handling, standard template library usage, namespaces, memory management and graphical user interface (GUI) programming. Programming projects are required.

CSCD 307**Information Systems Development (4)**

FALL

Prerequisites: CSCD 211 with a minimum grade of 2.7 and Math Proficiency with a minimum grade of 2.5.

This course covers the fundamental concepts associated with the design, development and use of information systems. Topics include information technology, characteristics of IS professionals and IS career paths, information assurance, privacy, ethics and globalization. Practical exercises corresponding to both IS professionals and end-users are required.

CSCD 310**Discrete Structures (4)**

FALL/WINTER/SPRING

Prerequisites: CSCD 300 with a minimum grade of 2.7, ENGR 160 with a minimum grade of 2.5, Advancement Programming Exam clearance and a minimum grade of 2.5 in either Math 161 or Math 301.

This course studies mathematical aspects of computer science with emphasis on data structures and algorithmic implementation. Topics include logic, methods of proof, set theory, relations and functions, numerical representations, cardinality, computability, combinatorics (with a bit of discrete probability), computational complexity and graph theory.

CSCD 316**Contest Problems (1-5)**

FALL/WINTER/SPRING

Prerequisite: CSCD 211 or concurrent enrollment.

Students participate in solving problems with computer programming. This is preparation for periodic local and regional programming contests.

CSCD 320**Algorithms (4)**

FALL/WINTER/SPRING

Prerequisites: A minimum grade of 2.7 in CSCD 300 and CSCD 310, and in ENGL 201; Advancement Programming Exam clearance.

This course studies data structures and algorithms, with emphasis on algorithmic strategies such as dynamic programming and emphasis on non-linear data structures such as trees and graphs. Programming projects are required.

CSCD 330**Network Programming (4)**

FALL/SPRING-EVEN YEARS

Prerequisites: CSCD 240 with a minimum grade of 2.7, Advancement Programming Exam clearance.

This course covers fundamental concepts, protocol mechanisms and programming skills for computer networks. Included is a technical overview of telecommunication media and fundamental protocols for the Internet such as ISO/OSI layers, Ethernet, collision detection and channel allocation. In addition, there will be a comprehensive and in-depth study of working architectures and protocols such as addressing, fragmentation and reassembly, error reporting and routing. Programming skills for network specific system development such as client-server computing and API will also be introduced. Programming projects are required.

CSCD 334**Advanced Techniques in Visual Basic (4)**

SPRING

Prerequisite: CSCD 234 (or familiarity with Visual Basic and either CSCD 300 or 229).

Advanced programming techniques in Visual Basic such as classes, ActiveX concepts, database access, interactive web pages and API. Individual and/or group programming projects with formal documentation are required.

CSCD 340**Operating Systems (4)**

FALL/SPRING

Prerequisites: A minimum grade of 2.7 in CSCD 240 and in CSCD 260 and Advancement Programming Exam clearance.

This course covers major concepts in the design and modeling of operating systems for digital computers. Topics include historical development of operating systems, methods used in simulations, memory management, system protection mechanisms, I/O management, CPU scheduling, process management and file systems. Programming assignments, program analyses and written reports are required.

CSCD 350**Software Engineering (4)**

FALL/WINTER/SPRING

Prerequisites: CSCD 310 with a minimum grade of 2.7 and Advancement Programming Exam clearance.

This course covers software engineering paradigms, principles and techniques. Topics include software engineering paradigms, software life cycle models, requirements specification, classical and object-oriented analysis and design, verification and validation, reuse, tools, metrics and project management. Programming projects, oral presentations and written reports are required.

CSCD 360**Architecture and Organization II (4)**

FALL

Prerequisites: CSCD 260 with a minimum grade of 2.7 and Advancement Programming Exam clearance.

This course addresses computer processor design at the levels of the instruction set, the system architecture and logical gates. Knowledge of Boolean algebra and digital circuits are combined with a viewpoint of computers at the machine language level to build a complete understanding of how modern computer processors actually work, with some techniques and tradeoffs that go into their design. The simulation of systems using a high-level programming language is also covered. Programming projects are required.

CSCD 370**Graphical User Interface Programming (4)**

WINTER/SPRING

Prerequisites: CSCD 300 with a minimum grade of 2.7 and Advancement Programming Exam Clearance.

This course explores programming techniques for the production of graphical user interfaces. Event driven programming is covered in detail. Topics include event handling, windows and dialogs, GUI widgets such as menus, toolbars, buttons, sliders, combo boxes, lists and scrolling. Multi-threading as it applies to GUI programming is also introduced. Programming projects are required.

CSCD 378**Web Programming (4)**

FALL

Prerequisites: TECH 368 with a minimum grade of 2.5, CSCD 210 with minimum grade of 2.7.

This course explores the design and implementation of real-world web applications, using current software methodology. Topics include Cascading Style Sheets, XML, XSLT, JavaScript, PHP, object model and collections, event models, architecture of web servers, client/server programming, and web applications tools and techniques. Programming projects are required.

CSCD 379**Advanced Web Programming (4)**

WINTER

Prerequisites: CSCD 211, TECH 368, CSCD 378.

Advanced study of web programming based on a popular API with emphasis placed on the server and portability across platforms and browsers. Database connectivity will be an important component of the course.

CSCD 380**Information and Knowledge Management (4)**

FALL/SPRING-EVEN YEARS

Prerequisites: CSCD 320 with a minimum grade of 2.7 and Advancement Programming Exam clearance.

This course covers modern information and knowledge management from aspects of computer science in general, and database and computational intelligence specifically. Computational paradigms and fundamental methodologies are covered in a comprehensive problem-solving manner and are demonstrated in highly abstracted programming languages. Topics include database models (e.g. relational and object-oriented), knowledge representation and reasoning, search strategies (e.g. brute-force, heuristic, probabilistic) logic programming and functional programming. Programming projects are required.

CSCD 395**Internship (1-10)****CSCD 396****Experimental Course (1-5)****CSCD 397****Workshops, Short Courses, Conferences (1-5)****CSCD 398****Seminar (2-5)****CSCD 399****Directed Study (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: Permission of the instructor and the department chair.

CSCD 411**Multimedia Techniques (4)**

FALL

Prerequisites: CPLA 101 or CPLA 120 or CPLA II test with a score of 80 or better.

The theory and creation of multimedia using professional software is covered. This course stresses the appropriate development of a user interface. Several programming projects and research will be required.

CSCD 414**Multimedia Programming (4)**

WINTER

Prerequisites: A minimum grade of 2.7 in CSCD 300 and in CSCD 411, Advancement Programming Exam Clearance and Advancement in Major.

This course studies object-oriented programming for multimedia. Several programming projects are required.

CSCD 416**3D Modeling and Animation II (4)**

WINTER

Prerequisites: CSCD 216 with a minimum grade of 2.7 and a minimum grade of 2.5 in either TECH 216 or TECH 368.

This course covers intermediate 3D modeling and animation, including creation of aesthetic and technical work by manipulating light, surface materials, soft body dynamics and other features. Topics include photorealism, spline surface modeling, character development, lighting and camera techniques. This course requires 3D projects.

CSCD 417**3D Modeling and Animation III (4)**

SPRING

Prerequisite: CSCD 416 with a minimum grade of 2.7.

This course studies advanced 3D modeling, animation theory and application including creation of characters and creatures that come alive. Topics include organic modeling of character forms, analysis of character movement and 3D scripting. This course requires 3D projects.

CSCD 418**3D Modeling and Animation IV (4)**

FALL

Prerequisite: CSCD 417 with a minimum grade of 2.7.

This course studies extensions of advanced 3D modeling, animation theory and application including further advanced 3D animation concepts. Topics addressed will include lip synchronization, facial expressions and 3D scripting. This course requires 3D projects.

CSCD 419**Multimedia Development (4)**

SPRING

Prerequisite: CSCD 411 with a minimum grade of 2.7 and Advancement in Major.

This is a course in multimedia project development. Using theory and research as a foundation, groups will work on real world projects. A group project is required.

CSCD 420**Automata (4)**

FALL-EVEN YEARS

Prerequisites: [CSCD 310 with a minimum grade of 2.7, and Advancement Programming Exam Clearance, and Advancement in Major] or permission of instructor.

This course is a study of sequential machines—their algebraic, structural and logical properties.

CSCD 421**Automata and Languages (4)**

WINTER-ODD YEARS

Prerequisites: CSCD 228, 420.

Correspondence between automata, languages and logic circuits. Also covered are the relationships between Turing machines, computability and transducers as algebraic systems. Theory is applied to the first phase of compiler design. Programming assignments are required.

CSCD 422**Compiler Design (4)**

SPRING-ODD YEARS

Prerequisite: CSCD 421.

Analysis of syntactic structures as applied to context-free and type 3 grammars. Theoretical development of parsing schema as well as practical applications in implementing such strategies. Programming assignments, oral presentations and written reports are required. Lab.

CSCD 425**Database Management Systems (4)**

WINTER

Prerequisites: CSCD 300 with a minimum grade of 2.7, Advancement in Major, Advancement Programming Exam Clearance, [CSCD 307 highly recommended].

Fundamental concepts associated with the design, implementation and use of database systems with particular emphasis on relational database management systems are studied in this course. Topics include database modeling and design techniques, languages and facilities provided by database management systems and representative implementations. Students will use a state-of-the-art DBMS to design, load, query, maintain and administer a relational database. Individual client/server programming projects, including oral presentations and written reports are required.

CSCD 427**Database Programming (4)**

SPRING

Prerequisite: CSCD 425.

An in-depth introduction to fundamental concepts associated with the design, implementation and maintenance of n-tier applications with particular emphasis on web-based database applications. Topics will include scripting languages, application servers and web services. Students will use a state-of-the-art development tool to design, implement and deploy a 3-tier application against a relational database. Individual and/or team programming projects, including oral presentations and written reports, are required.

CSCD 433**Advanced Network Programming (4)**

WINTER

Prerequisites: CSCD 300, 333.

Advanced technologies and programming skills of computer networks are explored. The class will engage in a comprehensive study of future and advanced networking technologies such as multiplexing, ATM, NAT and IPv6; dominant network applications such as DNS, E-mail, file transfers and WWW; and advanced programming skills and architectures such as RPC, CORBA and middleware. Typically, a comprehensive project is assigned.

CSCD 434**Network Security (4)**

SPRING

Prerequisites: CSCD 300, 333.

Practical topics in network security: policy and mechanism, malicious code; intrusion detection, prevention, response; cryptographic protocols for privacy and integrity; emphasis on tradeoffs between risks of misuse, cost of prevention, and social issues. Concepts are implemented in programming assignments. Typically, some comprehensive projects are given.

CSCD 435**Principles of Programming Languages (3)**

FALL-EVEN YEARS

Prerequisites: CSCD 320, ENGL 205 or CMST 200/300. A study and comparison of programming languages by evolution, formal specifications, structures, features and application domains. Implementation of syntax and semantics and program run-time behavior for several languages will be considered. Each student will give an oral presentation of a term report in this class.

CSCD 441**Operating Systems II (4)**

WINTER-EVEN YEARS

Prerequisite: CSCD 340 with a minimum grade of 2.7, Advanced Programming Exam Clearance and Advancement in the Major.

This course covers a specific operating system involving installation, kernel configuration and kernel modification. The interaction between kernel space and user space will be studied and the student will design, implement and test programs communicating across that programming interface. Interprocess communication using the available system's user level capabilities will be explored. Programming projects are required.

CSCD 442**Operating Systems III (4)**

SPRING-EVEN YEARS

Prerequisite: CSCD 441 with a minimum grade of 2.7, Advanced Programming Exam Clearance, Advancement in Major.

This course continues the study of the specific operating system used in CSCD 441. Emphasis will be on the interaction between the operating system and hardware devices. The students will learn the device driver programming interface and then design and implement driver programs of their own. Related topics will include interrupt handlers, scheduling, security, and various kernel functions and data structures.

CSCD 443**Distributed Multiprocessing Environments (4)**

FALL

Prerequisites: CSCD 340, familiarity with Unix/Linux and with the C and Java programming languages. (ACS special code)

Parallel processing concepts and history, followed by the study and comparison of several multiprocessing environments (such as Java threads, PVM, and MPI).

CSCD 450**Software Engineering I (4)**

WINTER

Prerequisites: CSCD 300, 350, ENGL 205 and CSCD 425. (ACS special code)

Software engineering paradigms, principles and techniques. Topics will include software engineering paradigms, software life cycle models, requirement specifications, classical and object-oriented analysis and design, verification and validation, reuse, tools, metrics and project management. This course is the first in the two-quarter software engineering series and topics not covered in this course may be covered in the second course. Students will develop individual and team skills by implementing a functional prototype of a client/server information system from a requirements document. Teams will be introduced to and use CASE, relational DBMS, IDE, and project management software. Programming assignments, oral presentations and written reports are required.

CSCD 451**Software Engineering II (4)**

SPRING

Prerequisite: CSCD 450. (ACS special code)

Application of principles and techniques learned in CSCD 450 to team development of client-sponsored projects. Based on a requirements document provided by their client, each team will use appropriate tools and management skills to specify, design, implement, install, test and document a software solution that meets the client's needs. Project management, software quality assurance and software configuration management plans are required. Each team will include members from the ENGL 404 Software Documentation class. Formal written documents and oral presentations are required of all teams and team members.

CSCD 461**Digital Systems Design (4)**

WINTER-EVEN YEARS

Prerequisites: CSCD 211, ENGR 250 and either CSCD 360 or ENGR 260. (ACS special code)

Application of digital circuit design concepts to computer-related hardware applications developed as group projects. Oral and/or written reports are submitted for evaluation.

CSCD 467**Concurrent and Real-Time Systems (4)**

SPRING-EVEN YEARS

Prerequisites: CSCD 300 and 350. (ACS special code)

An exploration of the design and programming of concurrent and real-time systems. The course covers methods and constructs that are central to concurrent system development, including concurrent processes, task scheduling, interrupt service routines, deadlock, priority inversion, and interprocess synchronization and communication using critical sections, semaphores, mutexes, monitors, event signals and queues. Additional topics specific to embedded systems may also be covered, such as PID feedback control. The course emphasis is on applying these constructs to an actual concurrent system design. Software design methodologies specifically intended for describing the structure and dynamics of concurrent software systems will be covered. System-level thinking using these methods is carried through to the implementation of a group project using a real-time kernel.

CSCD 470**3D Computer Graphic Principles (4)**

WINTER

Prerequisites: CSCD 300 with a minimum grade of 2.7, Advancement Programming Exam Clearance, Advancement in the Major and [CSCD 216 highly recommended].

This course introduces the basic theoretical concepts involved in 3D computer graphics. Concepts will be illustrated using 3D animation and modeling software allowing students to understand the practical application of the theory. Programming projects will be required.

CSCD 471**Advanced 3D Computer Graphics Programming (4)**

SPRING

Prerequisites: CSCD 470 with a minimum grade of 2.7, Advanced Programming Exam Clearance, Advancement in the Major.

This course involves program implementation of 3D computer graphics theory elements from previous graphics courses using a commonly available cross-platform 3D graphics application program interface. Programming assignments include implementation of topics from CSCD 470 such as generation of graphics primitives, the virtual camera, perspective projection, modeling and representation of three-dimensional objects and basic lighting. Additional topics include the theory and implementation of realistic object rendering using Phong and Gouraud shading techniques, texture mapping and other advanced

rendering techniques such as the production of shadows and reflections and the use of advanced rendering techniques in 3D games. Programming projects are required.

CSCD 474**Computer Games Development (4)**

SPRING-EVEN YEARS

Prerequisites: CSCD 240 with a minimum grade of 2.7, Advancement Programming Exam Clearance, Advancement in the Major.

This course is an in-depth analysis of the source code of a commercial 3D game leading to a major modification of the code and related elements to produce a new 3D game. Topics include techniques for modification of game graphics, game artificial intelligence and game physics, as well as exploration of external applications for model production, animation and skinning and game level production. Programming projects and game modifications are required.

CSCD 476**Advanced 3D Modeling and Animation Topics (4)**

SPRING-ODD YEARS

Prerequisite: CSCD 418 with minimum grade of 2.7.

This course involves compositing with complex animation software plug-ins. Topics include reassembling 3D animations in 2D compositing space, color depth, advanced 3D scripting and integration, 3D animations and live-action footage. Professional-level 3D projects are required.

CSCD 479**Web Programming - Security (4)**

Prerequisites: CSCD 379. (ACS special code)

Explore different aspects of information security as it pertains to the Internet and web programming. Topics covered may include the human element of security, data encryption, Secure Socket Layer programming, acquiring and installing Server Certificates, web attack types and how to defend against them, Intrusion Detection Systems, SQL Injection principles and their defense strategies and attack mitigation. Programming assignments, oral presentations and/or written reports will be required.

CSCD 480**Computational Intelligence and Informatics (4)**

WINTER-EVEN YEARS

Prerequisites: CSCD 380 with a minimum grade of 2.7, Advancement Programming Exam Clearance, Advancement in the Major.

Computational frameworks and methodologies of modern computational intelligence and intelligent informatics are studied in a comprehensive problem-solving manner. Topics may include multi-agent systems, expert systems, robotics, optimization, system identification, knowledge and data discovery, OLAP, game playing, vision, cognitive modeling, natural language processing, information retrieval, neural networks, planning and scheduling, pattern recognition and classification, computational logic, knowledge representation and reasoning, uncertainty management and learning. Programming projects are required.

CSCD 481**Advanced Computational Intelligence (4)**

SPRING-EVEN YEARS

Prerequisite: CSCD 480 with a minimum grade of 2.7, Advanced Programming Exam Clearance, Advancement in the Major.

Frameworks and methodologies of modern computational intelligence are explored. Topics include cutting edge research from globally recognized academic societies. Programming projects are required.

CSCD 482**Advanced Intelligent Informatics (4)**

SPRING-EVEN YEARS

Prerequisites: CSCD 480 with a minimum grade of 2.7, Advanced Programming Exam Clearance, Advancement in the Major.

Frameworks and methodologies of modern intelligent informatics are explored in this course. Topics include cutting edge research from globally recognized academic societies. Programming projects are required.

CSCD 490**Computer Ethics Senior Capstone (4)**

FALL/WINTER/SPRING

[satisfies senior capstone university graduation requirement.]

Prerequisites: ENGL 201 and senior standing.

This course explores computers as tools from a societal-cultural perspective. It studies the impacts of information systems within an organizational environment, on society and on the individual, and the future directions in which the forces of technology and computing are tending to move us. Written assignments and group oral presentations are required.

CSCD 494**Senior Project (4)**

FALL-ODD YEARS/WINTER-ODD YEARS/SPRING-EVEN YEARS

Prerequisites: A minimum grade of 2.7 in CSCD 300 and in CSCD 350 and [CS majors need the first course in a senior sequence, CIS majors need CSCD 425, CS Theory majors need CSCD 420, 3D majors need CSCD 417, and MM majors need CSCD 414], Advanced Programming Exam Clearance, Advancement in Major.

Students apply principles and techniques learned in other courses through team development of client-sponsored projects. Based on a requirements document provided by the team's client each team will use appropriate tools and management skills to specify, design, implement, test, install and document a solution that meets the client's needs. Project management, quality assurance and configuration management plans are required. Written documents and oral presentations are required of all teams and team members.

CSCD 495**Internship (1-10)**

FALL/WINTER/SPRING

Prerequisites: CSCD 300 or 414. (ACS special code)

CSCD 497**Workshops, Short Courses, Conferences (1-5)**

FALL/WINTER/SPRING/SUMMER

Selected topics to be arranged in consultation with the requesting organization.

CSCD 498**Seminar (1-5)**

FALL/WINTER/SPRING

Prerequisite: Permission of the instructor.

CSCD 499**Directed Study (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: Permission of the instructor and the department chair.

CSCD 501**Design and Analysis of Algorithms (4)**

Prerequisites: CSCD 320 and MATH 231 and (MATH 225 or MATH 301) and (MATH 380 or MATH 385).

The study of algorithms: Asymptotic analysis of computing time and space requirements. Strategies for designing algorithms: Divide-and-conquer, Greedy method, Backtracking, etc. Analysis of graph algorithms. Introduction to parallel algorithms and their analysis. Further topics may be covered,

as time permits, such as techniques for algebraic manipulations, lower bound theory, and NP-Complete problems.

CSCD 502, 503**Theory of Computing I, II (4 each)**

Prerequisite: Permission of the instructor.

Graph theory; trees; automata theory; computability; unsolvability; Turing machines; recursive functions theory; category theory as applied to machine morphisms; formal language theory with possible applications to compiler design, operating systems, etc. Switching theory, formal verification methods, data structuring and complexity theory may also be studied.

CSCD 524**Software Engineering (4)**

Prerequisites: CSCD 211 and knowledge of two computer languages.

A variable-content course. A study of methods and techniques available to develop reliable and maintainable software at minimal cost and selected software development topics. Possible topics include software metrics, object-oriented design, rapid prototyping, graphical user interface design and CASE tools. Individual research projects are required.

CSCD 525**Advanced Database Management Systems (4)**

Prerequisite: CSCD 425.

A variable-content course. An in-depth study of a commercial relational DBMS and selected database systems topics. Possible topics include data access patterns, data mining, distributed databases, multimedia databases, query optimization, object-oriented DBMS, knowledge-based systems, design and programming of 2 and 3 Tier Applications using web services and XML. Individual research projects are required.

CSCD 538**Topics in Computer Hardware (4)**

May be taken more than once provided distinct topics are studied.

Prerequisite: Graduate standing in Computer Science or permission of the instructor.

A variable content course dealing with some aspect of computer hardware. Possible topics include network theory, VLSI design, control systems, digital systems design, switching and automata theory, computer-aided engineering.

CSCD 539**Topics in Computer Science (4)**

May be taken more than once provided distinct topics are studied.

Prerequisite: Graduate standing in Computer Science or permission of the instructor.

A variable content course dealing with an area of computer science other than hardware. Possible topics include compiler design, advanced operating systems, computational complexity, computer graphics, software testing and verification, artificial intelligence, pattern recognition, computer simulation and modeling, graph algorithms.

CSCD 540**Advanced Topics in Modern Operating Systems (4)**

Prerequisites: CSCD 340, 441.

The study of advanced topics from modern operating systems. Topics may include but are not limited to device drivers, embedded operating systems, real-time operating systems, modern operating system security designs and mechanism, and performance measurement and evaluation.

CSCD 543**Distributed Multiprocessing Environments (4)**

Prerequisites: CSCD 340, and familiarity with Unix and with the C and Java programming languages. Parallel processing concepts and history, followed by the study and comparison of several multiprocessing environments (such as Java threads, PVM and MPI) problems. Individual research project required.

CSCD 547**Computer Networks (4)**

Prerequisites: CSCD 300, 333.

Design and analysis of computer networks are the foci. Comprehensive study of future and advanced networking technologies such as multiplexing, ATM, NAT and IPv6; dominant network applications such as DNS, e-mail, file transfers and WWW; and advanced programming skills and architectures such as RPC, CORBA and middleware are covered. Typically, a comprehensive project is assigned.

CSCD 570**Photo-Realistic Computer Graphics (4)**

Prerequisite: CSCD 471 or equivalent.

Theory and programming techniques of global illumination for photorealistic rendering in computer graphics. Included topics: basics of ray tracing, advanced ray tracing topics including stochastic ray tracing, incorporation of other global illumination techniques including radiosity and photon tracing. Requires programming assignments.

CSCD 575**Computer Systems Design (4)**

Prerequisite: CSCD 360 or equivalent.

A survey of computer system architecture including levels of machine description, instruction sets, interrupt handling, memory hierarchies, I/O subsystems and buses.

CSCD 580**Intelligent Systems (4)**

Prerequisites: Graduate standing in Computer Science and CSCD 300 or permission of the instructor.

This course introduces the student to the topic of developing intelligent machine behavior. Covered material will include state of the art topics, and may vary somewhat. Representative techniques described include artificial intelligence programming techniques, pattern recognition, rule-based systems, neural networks, fuzzy logic and machine learning. These techniques will be applied to several application areas, such as intelligent agents and robots, intelligent user interfaces/assistants, and control systems. This course is the first in the three quarter Intelligent Systems series, and topics not covered in this course may be covered in the remaining two courses of the series. Typically, the first course focuses on AI programming techniques and languages, and on basic intelligent systems. This course requires graduate level individual and/or group programming projects.

CSCD 581**Knowledge-Based Systems (4)**

Prerequisites: Graduate standing in Computer Science and CSCD 580 or permission of the instructor.

This course is a continuation of the Intelligent systems series. The focus of this second course is typically on knowledge based systems. Course covers knowledge engineering and implementation of knowledge based systems, including expert systems and natural language processing systems. This course requires individual and/or group programming projects.

CSCD 582**Machine Learning (4)**

Prerequisites: Graduate standing in Computer Science and CSCD 580 or permission of the instructor.

This course is a continuation of the Intelligent Systems series. This course focuses on the tools and techniques available for implementing artificial learning systems, including neural networks, rule-based learning and others. This course requires individual and/or group programming projects.

CSCD 595**Professional Internship (2-16)****CSCD 596****Experimental Course (2-5)****CSCD 597****Workshops (1-5)**

Note: Workshop credit cannot be used to fulfill graduate degree requirements.

CSCD 598**Seminar (1-5)****CSCD 599****Independent Study (1-6)**

Prerequisite: Permission of the instructor and the department chair.

CSCD 600**Thesis (2-16)**

Graded Pass/No Credit.

A research thesis under the direction of a graduate committee.

CSCD 601**Research Report (2-16)**

Graded Pass/No Credit.

A research study in lieu of a bound thesis conducted as partial fulfillment of a master's degree under the direction of a graduate committee.

CSCD 696**College Teaching Internship (1-12)**

Graded Pass/No Credit.

Teaching a lower-division college course under supervision of a regular faculty member. Includes course planning, arranging bibliographical and instructional aids, conferences with students, experience in classroom instruction and student course evaluation.

Computer Science Education Courses

CSED 311**Computers in the Classroom (4)**

FALL/WINTER/SPRING

Prerequisites: Computer Literacy I and Computer Literacy II clearance, and admission to the Education Department or current teaching certificate.

An introduction to educational applications of integrated productivity software, utility programs, Computer-Assisted Instruction (CAI) software, telecommunications, Internet and World Wide Web, the process of software and hardware selection for educational purposes and methods of effectively integrating technology into the classroom. Assignments will include computer projects using productivity software, utility software and construction of CAI software using high level authoring systems. Ethical and equity issues for educational computing will be discussed.

CSED 312**Classroom Uses of Integrated Software (2)**

Prerequisite: Junior standing.

Study of major components of an integrated software system (word processing, spreadsheet and data base

programs). Classroom applications are studied. No previous computer experience assumed. Additional laboratory time required.

CSED 392**Computer Technology in the Secondary School (4)**

WINTER

Prerequisite: Junior standing.

Technological and pedagogical considerations for integrating and using computer technology in secondary schools. Develop computer-based learning activities for individuals and groups. Practical uses of the computer as a tool in the secondary classroom.

CSED 396**Experimental Course in Computers and Education (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: Vary according to topic.

Selected topics to be arranged in response to identified needs in the field.

CSED 399**Directed Study (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: Permission of the instructor and department chair.

CSED 415**Internet and World Wide Web in the Classroom (2)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: Computer Literacy and either admission to the Education Department or current teaching certificate. Investigation of the Internet and World Wide Web and their use in the classroom. Issues associated with the Internet and Web use will be discussed including privacy concerns, commercialization, social impacts and credibility. Projects involving the use of the Internet and Web in the classroom will be a major part of the course.

CSED 492**Computer Networking Laboratory (2)**

FALL/SPRING/SUMMER

Prerequisite: CSCD 333 or CPLA 592.

A hands-on, practical experience in installing, maintaining and using a computer network.

CSED 496**Experimental Course (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: Vary according to topic.

Course content varies.

CSED 497**Workshops, Short Courses, Conferences (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: Vary according to topic.

Selected topics to be arranged in consultation with the requesting organization.

CSED 498**Seminar (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: Vary according to topic.

Selected topics to be arranged in response to identified needs in the field.

CSED 499**Directed Study (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: Permission of the instructor and department chair.

CSED 539**Topics: Computers in Education (1-5)**

Prerequisite: Graduate standing or permission of the instructor. (Other prerequisites added according to topic.) A variable content course dealing with some aspect of computers in education.

CSED 590**Readings in Technology-Supported Education (1-2)**

Two credits per negotiated area, multiple registrations permitted.

Prerequisite: Computer literacy.

Readings courses providing up-to-date knowledge and skills required by technology specialists in education (with an emphasis on K-12). Designed to fill gaps in those knowledges and skills expected by national standards. Topic areas are negotiated individually but may include educational research; learning theory; instructional design; equipment acquisition, maintenance, and management; facilities management; methods for teaching with and about technology; and staff development methods and issues.

CSED 591**Technology and the Classroom (4)**

Prerequisites: Computer literacy and a teaching certificate.

Use of technology within the classroom, factors in integrating technology into the curriculum, and evaluation of software for specific classroom use. Readings from current literature that describe the past, present and future uses of technology in education. Readings from current literature that describe connections between technology use and research results from learning theory and instructional design.

CSED 592**Fundamentals of Computer Hardware and Networks (4)**

Prerequisites: Computer literacy and a teaching certificate.

Study of the components of computer systems, peripheral devices and networks. Considerations in the selection of hardware and networks for schools.

CSED 593**Multimedia for Education (4)**

Prerequisite: Computer literacy.

Study of high-level authoring languages/systems and techniques for use in developing computer/technology-based learning materials and strategies. Considerations, including human factors, in the design of user interfaces. Use of software engineering principles in developing multimedia software.

CSED 594**Development of Technology-Delivered Learning Activities (4)**

Prerequisite: CSED 591.

Technological and pedagogical considerations for developing technology-based learning activities for individuals and groups. Practical applications to traditional CAI, the use of productivity tools and the use of problem-solving software.

CSED 595**Professional Internship (2-16)**

Graded Pass/No Credit.

Prerequisite: Graduate standing.

CSED 596**Experimental Course (2-5)**

Prerequisite: Graduate standing or permission of the instructor. (Other prerequisites assigned according to topic of the course.)

CSED 597

Workshops (1-5)

Prerequisite: Graduate standing or permission of the instructor. (Other prerequisites assigned according to topic of the course.)

Note: Workshop credit cannot be used to fulfill graduate degree requirements.

CSED 598

Seminar (1-5)

Prerequisite: Graduate standing or permission of the instructor. (Other prerequisites assigned according to topic of the course.)

CSED 599

Independent Study (1-6)

Prerequisite: Graduate standing or permission of the instructor.

CSED 600

Thesis (2-16)

Graded Pass/No Credit.

Prerequisite: Graduate standing.
A research thesis under the direction of a graduate committee.

CSED 601

Project Report (2-16)

Graded Pass/No Credit.

Prerequisite: Graduate standing or permission of the instructor. (Other prerequisites added according to topic.)
A research study in lieu of a bound thesis conducted as partial fulfillment of a master's degree under the direction of a graduate committee.

CSED 696

College Teaching Internship (1-12)

Graded Pass/No Credit.

Teaching a lower-division college course under supervision of a regular faculty member. Includes course planning, arranging bibliographical and instructional aids, conferences with students, experience in classroom instruction and student course evaluation.



COUNSELING, EDUCATIONAL AND DEVELOPMENTAL PSYCHOLOGY

College of Education and Human Development
Charalambos Cleanthous, Chair
135Q Martin Hall
(509) 359-2816

BAE, BS

Minors

MEd, MS

Graduate Certificate

Faculty: A. Arndt, C. Cleanthous, R. Guillory, P. Hoang, N. Jackson,
N. Marchand-Martella, R. Martella, M. Moore, M. Rebar, F. Simonsen,
K. Waldron-Soler, M. Young

Special Faculty: A. Basbam, S. Chapman, B. Leonard,
V. Meblert, A. Przychodzin, L. Warner

UNDERGRADUATE PROGRAMS

The rapid changes of society demand that all persons have a better understanding of the human condition and professionals be trained to deal with increasingly complex problems. The outstanding faculty members of the Department of Counseling, Educational and Developmental Psychology prepare students to meet the challenges of personal, family, community and social issues.

Using the processes and principles of human development as a foundation, students learn to think critically and work skillfully in settings such as mental health agencies, day care centers, special education classrooms, support agencies for persons with developmental delays, convalescent hospitals and many other social service settings. They will be able to use psychological and developmental principles to understand conflict, to generate alternate responses, to act on educated judgment, to modify contexts to bring about desired changes while recognizing the dignity of persons, to promote human welfare, and to maintain scholarly integrity. The department integrates a solid theoretical base with applied experiences in all programs.

The department's special equipment and rooms enable students to improve the quality of their academic preparation. Students can video record, view and critique their performance in rooms with interactive video capability. Computer and space resources are made available for individual and group research projects. Faculty members regularly make themselves available to students who engage in research. Study carrels are available for use by students.

The Department of Counseling, Educational and Developmental Psychology has the following undergraduate programs: Bachelor of Science in Applied Developmental Psychology, Bachelor of Arts in Education in Child Development/Elementary, and Bachelor of Arts in Education in Special Education.

General Admission Requirements for Counseling, Educational and Developmental Psychology: Students wishing to study applied developmental psychology or child development are encouraged to take general psychology and other psychology courses and complete their lower division general requirements. Transfer students should see an advisor to arrange for an evaluation of their transfer courses to receive appropriate credit for major courses and electives.

Required courses in the following program of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts in Education (BAE)

Child Development/Elementary Major (45 credits)

The Bachelor of Arts in Education for Child Development/Elementary prepares teachers for preschool, kindergarten and the elementary grades. Program focus is on developmental processes and principles applied to preschool and elementary school-aged children. This major does not meet a State of Washington endorsement.

Required Courses

CEDP 313 Child and Adolescent Development (4)
CEDP 315 Psychology of Human Relations (4)
CEDP 320 Developmental Theories and Applications (4)
CEDP 321 Introduction to Developmental Methods (4)
CEDP 322 Lab in Developmental Methods (1)
CEDP 324 Human Learning (4)
CEDP 363 Introduction to Special Education (4)
CEDP 402 Behavior Modification (4)
CEDP 431 Pediatric and Adolescent Health Psychology (4)
CEDP 460 Special Education Methods (4)
CEDP 476 Child and Family Guidance (4)
CEDP 490 Senior Capstone: Developmental Psychology Senior Seminar (4)

Total credits for above major **45 credits**

Professional Education Requirements/ Elementary Education: 102-103 credits

See the Department of Education section of this catalog. Prerequisites may also apply.

**Minimum total credits for above major and
professional education** **147 credits**

Note: The above major requires the completion of a minor.

Dual Primary Endorsement Program in Special Education and Elementary Education (171-172 credits)

The Dual Primary Endorsement Program in Special Education and Elementary Education prepares students for teaching in the elementary grades (kindergarten to grade 8) as well as in special education classes (kindergarten to grade 12). Students in this program complete the Washington state requirements for an endorsement in special education and in elementary education. Students who complete this program select special education as their major.

Prerequisites to EDUC 200 for students in the Dual Primary Endorsement Program in Special Education and Elementary Education:

–GPA Requirement: A minimum 2.50 GPA calculated on most recent 45 quarter credits is required. A minimum of 2.0 in all courses is required.

–Computer Literacy Requirement: CPLA 100, *Computer Literacy I* (1) and CPLA 101, *Computer Literacy II* (1), or a computer literacy test clearance.

–Speech Requirement: CMST 200, *Introduction to Speech Communication* (4) or an approved equivalent.

–English Requirement: ENGL 101 (5) and 201 (5) or equivalent.

–Mathematics Requirement: Math 211 *Structure of Elementary Mathematics I* (5) or an approved equivalent for elementary education students.

Note: Effective 9/1/05 all candidates for certification must pass the WEST-E Praxis II subject matter test to receive an endorsement for certification purposes.

Washington Educator Skills Test-Basic (WEST-B): Refer to www.west.nesinc.com for information on this Reading, Mathematics, and Writing basic skills test.

Disclaimer - The final authority for approval of certification endorsements resides within the State Board of Education and in the event the State Board changes certification requirements, the student must adhere to the new requirements.

Prerequisites for Dual Endorsement Program in Special Education and Elementary Education

CEDP 321 Introduction to Developmental Methods (4)
CEDP 322 Lab in Developmental Methods (1)

Major Courses in Special Education

CEDP 363 Introduction to Special Education (4)
CEDP 410 Teaching Students with Severe Disabilities (4)
CEDP 412 Introduction to Early Childhood Special Education (4)
CEDP 420 Principles of Behavior for Students with Exceptional Needs (4)
CEDP 421 Classroom Management in Special Education Settings (4)
CEDP 460 Special Education Methods (4)

CEDP 461 Methods for Teaching Students with High Incidence Disabilities (4)

CEDP 470 Special Education Assessment (4)

CEDP 480 Inclusionary Practices and Collaboration (4)

CEDP 481 Professionalism in Special Education (4)

CEDP 487 Assistive Technology and Related Services in Special Education (4)

CEDP 488 Special Education Practicum (3+3)

CEDP 489 Special Education Student Teaching (16)

EDUC 303 Evaluation in Education (5)

Choose 1:

CEDP 462 Methods for Teaching Students with Severe Disabilities (4)

CEDP 463 Methods for Teaching Infants and Young Children with Disabilities (4)

Additional requirements for Elementary Education

ART 390 Art in the Elementary School (3)

CEDP 302 Educational Psychology (5)

EDUC 200 Admission to the Teacher Education Program (1)

EDUC 201 Introduction to Education (3)

EDUC 304 Introduction to Elementary Reading (3)

EDUC 310 Reading Methods in the Elementary School (3)

*EDUC 338 Introduction to Language Arts in the Elementary School (3)

*EDUC 339 Social Studies and Science in the Elementary School (4)

EDUC 420 Introduction to Student Teaching (1)

EDUC 423 Elementary Student Teaching K-8 (15)

MATH 212 Structure of Elementary Mathematics II (5)

MATH 390 Methods of Teaching Elementary School Mathematics (5)

MUSC 390 Music Methods for Elementary Classroom Teacher (3)

PHED 390 Health and Physical Education in the Elementary School (3)

30-hour multi-cultural education field requirement

** Must be taken concurrently.*

—**Science Requirement:** The following science courses must be taken for the elementary education endorsement and can also fulfill a General Education Core Requirement (GECR)

BIOL 115 Investigating Biology (5)

or BIOL 100 Introduction to Biology (5)

or an approved life science class with a lab

GEOG/GEOL 115 Investigating Earth Science (5)

or an approved earth science class with a lab

PHYS 115 Investigating Physical Science (5)

or an approved physical science class with a lab

—**Social Science Requirement:** The following social science courses must be taken for the elementary education endorsement and can also fulfill General Education Requirements (GERs)

GEOG 101 Fundamentals of Human Geography (5)

or GEOG 230 World Regional Geography (5)

HIST 110 The American Experience: A Survey (5)

HIST 104 East Asia: Tradition and Transformation (5)

or HIST 106 Western Heritage: 18th Century to the Present (5)

—**Cultural/Diversity Requirement:** One of the following cultural/diversity courses must be taken for the elementary education endorsement and may also fulfill a General Education Requirement (GER):

AAST/HUMN 214 Introduction to African American Culture (5)

CHST 101/ANTH 161 Introduction to Chicano Culture (5)

CMST 340 Intercultural Communication (5)

EDUC 325 Inequalities and Impacts on Educational Equity (4)

HIST 313 Asian American History (5)

IDST 101 Introduction to Indian Studies (4)

SOCI 320 Race and Ethnic Relations: Global Perspectives (5)

SOCI 321 Sex and Gender (5)

Special education prerequisite credits

Required special education credits

Required elementary education credits

Minimum total credits for above major

5 credits

75 credits

91-92 credits

171 credits

Special Education Major (103-105 credits)

The Bachelor of Arts in Education for Special Education prepares teachers for working with students with disabilities in kindergarten through twelfth grade. Program focus is on effective teaching practices used in special education for elementary and secondary school settings. Students in this major complete the Washington state requirements for an endorsement in special education. A minor is not required with this major.

Other courses are required as part of the Teacher Education Program and must be completed before beginning this program. Please see an advisor.

Prerequisites to EDUC 200 for students in the Special Education Program:

—**GPA Requirement:** A minimum 2.50 GPA calculated on most recent 45 quarter credits is required. A minimum of 2.0 in all courses is required.

—**Computer Literacy Requirement:** CPLA 100, *Computer Literacy I* (1) and CPLA 101, *Computer Literacy II* (1), or a computer literacy test clearance.

—**Speech Requirement:** CMST 200, *Introduction to Speech Communication* (4) or an approved equivalent.

—**English Requirement:** ENGL 101 (5) and 201 (5) or equivalent.

—**Mathematics Requirement:** MATH 211, *Structure of Elementary Mathematics I* (5) or an approved equivalent for elementary education students or MATH 115.

—**Cultural/Diversity Requirement:** One of the following cultural/diversity courses must be taken for the elementary education endorsement and may also fulfill a General Education Core Requirement (GECR):

AAST/HUMN 214 Introduction to African American Culture (5)

CHST 101/ANTH 161 Introduction to Chicano Culture (5)

CMST 340 Intercultural Communication (5)

EDUC 325 Inequalities and Impacts on Educational Equity (4)

HIST 313 Asian American History (5)

IDST 101 Introduction to Indian Studies (4)

SOCI 320 Race and Ethnic Relations: Global Perspectives (5)

SOCI 321 Sex and Gender (5)

Note: Effective 9/1/05 all candidates for certification must pass the WEST-E Praxis II subject matter test to receive an endorsement for certification purposes.

Washington Educator Skills Test-Basic (WEST-B): Refer to www.west.nesinc.com for information on this Reading, Mathematics, and Writing basic skills test.

Disclaimer - The final authority for approval of certification endorsements resides within the State Board of Education and in the event the State Board changes certification requirements, the student must adhere to the new requirements.

Prerequisites for Special Education Major

CEDP 313 Child and Adolescent Development (4)

CEDP 321 Introduction to Developmental Methods (4)

CEDP 322 Lab in Developmental Methods (1)

Major Courses in Special Education

CEDP 363 Introduction to Special Education (4)

CEDP 410 Teaching Students with Severe Disabilities (4)

CEDP 412 Introduction to Early Childhood Special Education (4)

CEDP 420 Principles of Behavior for Students with Exceptional Needs (4)

CEDP 421 Classroom Management in Special Education Settings (4)

CEDP 460 Special Education Methods (4)

CEDP 461 Methods for Teaching Students with High Incidence Disabilities (4)

CEDP 470 Special Education Assessment (4)

CEDP 480 Inclusionary Practices and Collaboration (4)

CEDP 481 Professionalism in Special Education (4)

CEDP 487 Assistive Technology and Related Services in Special Education (4)

CEDP 488 Special Education Practicum (3+3)

CEDP 489 Special Education Student Teaching (16)

EDUC 303 Evaluation in Education (5)

Choose 1:

CEDP 462 Methods for Teaching Students with Severe Disabilities (4)

CEDP 463 Methods for Teaching Infants and Young Children with Disabilities (4)

EDUC 200 prerequisite credits

19-21 credits

Prerequisites for special education credits

9 credits

Major courses for special education credits

75 credits

Minimum total credits for above major

103 credits

Special Education Major with Early Childhood Special Education Option (103-105 credits)

The Bachelor of Arts in Education: Special Education Major with Early Childhood Special Education option prepares teachers for working with infants and young children with disabilities and their families (birth to grade 3). Program focus is on effective intervention practices used in early childhood special education for home and school settings. Students in this major complete the Washington state requirements for an endorsement in Early Childhood Special Education.

Other courses are required as part of the Teacher Education Program and must be completed before beginning this program. Please see an advisor.

Prerequisites to EDUC 200 for students in the Special Education Program:

–**GPA Requirement:** A minimum 2.50 GPA calculated on most recent 45 quarter credits is required. A minimum of 2.0 in all courses is required.

–**Computer Literacy Requirement:** CPLA 100, *Computer Literacy I* (1) and CPLA 101, *Computer Literacy II* (1), or a computer literacy test clearance.

–**Speech Requirement:** CMST 200, *Introduction to Speech Communication* (4) or an approved equivalent.

–**English Requirement:** ENGL 101 (5) and 201 (5) or equivalent.

–**Mathematics Requirement:** MATH 211, *Structure of Elementary Mathematics I* (5) or an approved equivalent for elementary education students or MATH 115.

–**Cultural/Diversity Requirement:** One of the following cultural/diversity courses must be taken for the elementary education endorsement and may also fulfill a General Education Core Requirement (GECR):

- AAST/HUMN 214 Introduction to African American Culture (5)
- CHST 101/ANTH 161 Introduction to Chicano Culture (5)
- CMST 340 Intercultural Communication (5)
- EDUC 325 Inequalities and Impacts on Educational Equity (4)
- HIST 313 Asian American History (5)
- IDST 101 Introduction to Indian Studies (4)
- SOCI 320 Race and Ethnic Relations: Global Perspectives (5)
- SOCI 321 Sex and Gender (5)

Note: Effective 9/1/05 all candidates for certification must pass the WEST-E Praxis II subject matter test to receive an endorsement for certification purposes.

Washington Educator Skills Test-Basic (WEST-B): Refer to www.west.nesinc.com for information on this Reading, Mathematics, and Writing basic skills test.

Disclaimer - The final authority for approval of certification endorsements resides within the State Board of Education and in the event the State Board changes certification requirements, the student must adhere to the new requirements.

Prerequisites for Early Childhood Special Education Option

- CEDP 313 Child and Adolescent Development (4)
- CEDP 321 Introduction to Developmental Methods (4)
- CEDP 322 Lab in Developmental Methods (1)

Major Courses for Special Education

- CEDP 363 Introduction to Special Education (4)
- CEDP 410 Teaching Students with Severe Disabilities (4)
- CEDP 412 Introduction to Early Childhood Special Education (4)
- CEDP 420 Principles of Behavior for Students with Exceptional Needs (4)
- CEDP 421 Classroom Management in Special Education Settings (4)
- CEDP 460 Special Education Methods (4)
- CEDP 461 Methods for Teaching Students with High Incidence Disabilities (4)
- CEDP 463 Methods for Teaching Infants and Young Children with Disabilities (4)
- CEDP 472 Assessment of Infants and Young Children with Disabilities (4)
- CEDP 480 Inclusionary Practices and Collaboration (4)
- CEDP 481 Professionalism in Special Education (4)
- CEDP 487 Assistive Technology and Related Services in Special Education (4)
- CEDP 488 Special Education Practicum (3+3)
- CEDP 489 Special Education Student Teaching (16)
- EDUC 303 Evaluation in Education (5)

Minimum total EDUC 200 prerequisite credits 19-21 credits

Total required special education prerequisite credits 9 credits

Total required special education credits 75 credits

Minimum total credits for above major 103 credits

Bachelor of Science (BS)

The Bachelor of Science in Applied Developmental Psychology prepares students for entry-level work and graduate study in a variety of developmental and human service careers. The program covers basic areas of human developmental psychology across the life span with a special focus on processes and principles of developmental change. Elective packages may be chosen to focus preparation toward attainment of individual student objectives such as child development interventions, pre-counseling, graduate study and others.

Applied Developmental Psychology Major (66-69 credits)**Required Courses**

- CEDP 313 Child and Adolescent Development (4)
- CEDP 314 Adult Development (4)
- CEDP 315 Psychology of Human Relations (4)
- CEDP 316 Psychology of Adjustment (5)
- CEDP 319 Psychological and Behavioral Assessment (4)
- CEDP 320 Developmental Theories and Applications (4)
- CEDP 321 Introduction to Developmental Methods (4)
- CEDP 322 Lab in Developmental Methods (1)
- CEDP 324 Human Learning (4)
- CEDP 402 Behavior Modification (4)

Take 4 credits of Field Study each quarter for two quarters in a row: 8 credits

- CEDP 492 Field Study in Child Issues and Problems (4)
- CEDP 493 Field Study in Adolescent Issues and Problems (4)
- CEDP 494 Field Study in Adult Issues and Problems (4)

Senior Capstone: Choose 1:

- ITGS 400 Interdisciplinary Senior Capstone (4)
- CEDP 490 Senior Capstone: Developmental Psychology Senior Seminar (4)
- CEDP 491 Senior Thesis (4) (By faculty invitation only.)

Electives: Choose 4 courses or the Pre-Counseling Track:

- CEDP 420 Principles of Behavior for Students with Exceptional Needs (4)
- CEDP 444 Introduction to the Counseling Profession (4)
- CEDP 460 Special Education Methods (4)
- CEDP 468 Tests, Measurements, and Evaluation (5)
- CEDP 476 Child and Family Guidance (4)
- CEDP 483 Group Dynamics (5)
- PSYC 302 Abnormal Psychology (5)

Pre-Counseling Track: (4 courses)

- CEDP 444 Introduction to the Counseling Profession (4)
- CEDP 468 Tests, Measurements, and Evaluation (5)
- CEDP 483 Group Dynamics (5)
- (Plus 1 course from the list of electives)

Required program credits

50 credits

Elective credits

16-19 credits

Minimum total credits for above major

66 credits

Minors**Counseling, Educational and Developmental Psychology Minor (15 credits)**

Choice of 15 upper-division credits in Counseling, Educational and Developmental Psychology in consultation with an advisor. (CEDP 302 cannot be included.)

Total credits for above minor

15 credits

Early Childhood Special Education Minor (16 credits)

The minor in Early Childhood Special Education is designed to assist general education teachers and other related services personnel to work more effectively with children with special needs from birth to grade 3. This minor does not meet an endorsement.

Required Courses

- CEDP 363 Introduction to Special Education (4)
- CEDP 412 Introduction to Early Childhood Special Education (4)
- CEDP 460 Special Education Methods (4)
- CEDP 463 Methods for Teaching Infants and Young Children with Disabilities (4)

Total credits for above minor

16 credits

Special Education Minor (16 credits)

The minor in special education is designed to assist general education teachers and other related services personnel to work more effectively with students with special needs. This minor does not meet an endorsement.

Required Courses

CEDP 363 Introduction to Special Education (4)
CEDP 420 Principles of Behavior for Students with Exceptional Needs (4)
CEDP 460 Special Education Methods (4)

Choose 1 of the following: 4 credits

CEDP 410 Teaching Students with Severe Disabilities (4)
CEDP 412 Introduction to Early Childhood Special Education (4)
CEDP 421 Classroom Management in Special Education Settings (4)
CEDP 461 Methods for Teaching Students with High Incidence Disabilities (4)
CEDP 470 Special Education Assessment (4)
CEDP 480 Inclusionary Practices and Collaboration (4)
CEDP 487 Assistive Technology and Related Services in Special Education (4)

Required program credits

12 credits

Elective credits

4 credits

Total credits for above minor

16 credits

GRADUATE PROGRAMS

The degree programs available through the Department of Counseling, Educational and Developmental Psychology are: Master of Science in Applied Psychology with emphases in Mental Health Counseling and School Counseling, Master of Science in School Psychology and a Master of Education in Special Education. Each degree program addresses the changing nature of society and professional requirements.

Projections for the next decade regularly point to the changing nature of our society and the need for human service occupations to help people adjust and adapt to change. Although the rate of population growth will remain fairly stable, the composition of the population will change. The number of senior citizens will increase. More preschool children nationally will be enrolled in day care programs. Universal health care including mental health care and illness prevention will be in place. Increased urbanization and a diverse work force means people will be in physical and psychological contact with a greater number of people; consequently, intra- and interpersonal skills will become even more important.

A trend in human service occupations dealing with specific personal problems has already become evident. Public and private agencies must provide services to people who may need help with specific problems. Teachers and school counselors are challenged to provide services to students who vary widely in age, abilities, and adjustment. The faculty of the department are actively engaged in research, and participation on national boards and professional organizations. Faculty members consistently receive excellent evaluations from students.

Admission Requirements/Preparation

Students applying should follow the procedures for general admission to the graduate school. In addition, the following special requirements should be met:

1. A student is eligible for consideration for admission to the Department of Counseling, Educational and Developmental Psychology programs by having obtained a 3.0 GPA for the last 90 quarter or 60 semester graded credits.
2. Completion and submission of the Graduate Record Examination (GRE) must be accomplished in time for scores to reach the department by the deadline: February 1 for Mental Health Counseling, School Counseling, March 1 for School Psychology and May 1 for Special Education. The department accepts scores on tests taken within five years of application.
3. The Graduate Studies Office application must be submitted and can be obtained from that office or their website. However, if applying to any of the graduate programs in the Department of Counseling, Educational and Developmental Psychology, the applicant must obtain a supplemental application packet from the department. This application packet cannot be obtained online.

4. Applicants who have submitted all requested application materials, postmarked by the deadline date (see information for each program below) may be invited for a personal interview or a telephone interview once the admissions committee has reviewed the application.
5. Notes Regarding Application Deadlines:
 - When applying to a graduate program, please request that materials be sent in time for them to arrive by the deadline date.
 - Scores from any required exams, e.g., GRE, WEST-B, etc., must reach the University by the application deadline date.
 - Completed applications, with all application materials submitted will be given priority review after the deadline date.
 - Individuals whose application materials are not postmarked by the application deadline will be reviewed only at the discretion of the admissions committee.
6. Application Requirements/Deadlines:

Mental Health Counseling/School Counseling: Feb 1

- (2) Graduate Studies Office Applications
- (2) Official Transcripts
- (1) Department Application
- (2) Letters of Recommendation
- (1) Cover Letter
- (1) Personal Statement
- GRE Scores (within 5 yrs. of application)

School Psychology: March 1

- (2) Graduate Studies Office Applications
- (2) Official Transcripts
- (1) Department Application
- (3) Letters of Recommendation
- (1) Cover Letter
- (1) Personal statement
- (1) Resume
- GRE Scores (within 5 yrs. of application)

Special Education: May 1

- (2) Graduate Studies Office Applications
- (2) Official Transcripts
- (1) Department Application
- (2) Letters of Recommendation
- (1) Cover Letter
- (1) Personal statement
- (1) Resume
- GRE Scores (within 5 yrs. of application)
- Pass WEST-B or currently certified in Washington state

Financial Aid

- A limited number of graduate assistantships are awarded to students of outstanding promise. Duties assigned graduate assistants involve 20 hours per week in tasks which meet the needs of the school and the student.
- Loans, work-study jobs and scholarships are available to eligible students through the University's Office of Financial Aid.
- Some fellowships and financial assistance may be available through the College of Education and Human Development.
- Apply for financial aid no later than February 15. Application and financial files should be completed as soon after January 1st as possible for the following year. Do not wait until admission is granted. Inquiries and application materials should be directed to:

Financial Aid and Scholarship Office

Eastern Washington University

102 Sutton Hall

Cheney WA 99004-2447

Degree Requirements

Master of Education in Special Education

Charalambos Cleanthous, Program Director

135Q Martin Hall

(509) 359-2816

The Master of Education in Special Education is designed for students wishing preparation as teachers or professionals in the field of special education. Classes and experiences are organized to provide a grounding in the knowledge and skills generally recognized by the special education profession and specifically meeting or exceeding the Washington state requirements for an endorsement in special education. The program is organized around a cohort field-based model that is one calendar year in length with courses offered primarily during the day or courses offered primarily in the summers and evenings. Practical application is stressed and students are provided early and continuous skill practice with personalized feedback and coaching by university faculty and other professionals in the field of special education.

Note: Students admitted to the Special Education Program will be required to have on file a completed, current FBI fingerprint check. Presently the cost is \$60.00–\$70.00. (Cost includes processing through the public school system.)

Prerequisites: Applicants who have not yet completed a teacher education program must receive a passing score on the Washington Educator Skills Test-Basic (WEST-B) prior to being admitted to this graduate program.

Applicants who have not yet completed a teacher education program may need to complete additional certification requirements.

Course Requirements and Credit Hours

Students entering the program should have undergraduate preparation in education, psychology or closely-related areas. These course requirements assume appropriate undergraduate preparation and will require additional course work to remedy deficiencies.

CEDP 515 Advanced Educational Psychology (4)

CEDP 520 Tactics of Psychological Research (4)

CEDP 521 Foundations of Special Education (4)

CEDP 522 Teaching Exceptional Students I (4)

CEDP 523 Assessing Exceptional Students (4)

CEDP 531 Designing Management Programs (4)

CEDP 532 Teaching Exceptional Students II (4)

CEDP 533 Collaborative Program Development For Exceptional Students (4)

CEDP 534 Teaching Exceptional Students III (4)

CEDP 538 Journal Reading in Special Education (3)

CEDP 601 Research Project (6)

CEDP 695 Practicum in Special Education (5)

CEDP 697 Internship in Special Education (12)

Choice of one: Historical, Philosophical, and Social Foundations of Education: EDUC 505, 506 or 507 (4)

Minimum total credits for above master's degree 66 credits

Successful completion of an oral examination which reviews the research project and content areas is required.

Master's Degree Program in Counseling

Mark Young, Program Director

214 Spokane Center

(509) 623-4225

The Department of Counseling, Educational and Developmental Psychology offers a nationally-recognized program of studies in counselor education. The program is made up of a theoretical, applied and research-based core curriculum aimed at developing professional counselors who meet national, regional and state certification standards. The program offers two emphases: Master of Science in Applied Psychology: Mental Health Counseling emphasis; and Master of Science in Applied Psychology: School Counseling emphasis. The Council for Accreditation of Counseling and Related Educational Programs (CACREP), a nationally-recognized specialized accrediting body, has conferred accreditation on the Master of Science in Applied Psychology: Mental Health Counseling emphasis and Master of Science in Applied Psychology: School Counseling emphasis.

Selection Criteria

In addition to general university and departmental requirements, it is desirable to have a BA or BS degree in a behavioral science or human services area. It is not necessary to have a teaching certificate to enter the School Counseling track. Course work in adjustment, counseling techniques, evaluation, group dynamics, personality theory and abnormal psychology is recommended.

Curricular experiences and demonstrated knowledge in each of the eight common core areas are required of all students in the program. The eight common core areas are identified in the CACREP accreditation standards as follows:

1. Professional Identity
2. Social and Cultural Diversity
3. Human Growth and Development
4. Career Development
5. Helping Relationships
6. Group Work
7. Assessment
8. Research and Program Evaluation

The precise course titles vary from time to time.

A FBI fingerprint check will be required of all counseling students at the beginning of their first quarter in the program. The fee for this check is presently \$30–\$40 for students admitted to the Mental Health Counseling track and \$60–\$70 for students admitted to the School Counseling track. (School Counseling students pay a higher fee because of processing through the public school system.) The results will be assessed before advancing students to candidacy. Students will be required to apply for professional affiliations with the American Counseling Association (ACA) for Mental Health Counseling and the National Education Association (NEA) for School Counseling with affiliation insurance liability coverage required within the first quarter of study in the graduate program. Membership applications for the affiliation and insurance programs will be made available in the professional classes offered fall quarter.

Prerequisites: Students should complete the equivalent of the following courses: CEDP 444 Introduction to the Counseling Profession; CEDP 468 *Tests, Measurements, and Evaluation*; and CEDP 483 *Group Dynamics*.

Master of Science in Applied Psychology: Mental Health Counseling Emphasis

The Master of Science in Applied Psychology: Mental Health Counseling emphasis is designed for students wishing preparation as counselors or therapists in settings such as: mental health centers, hospitals, residential treatment centers, employment services and vocational rehabilitation services. Mental health counselors are also frequently found in the juvenile correction facilities, community colleges, pastoral services, and business and industry.

Classes and experiences are organized around four objectives: 1) a thorough preparation in foundation skills and principles; 2) a functional mastery of techniques in various therapy modes; e.g., cognitive, affective, behavioral; 3) coverage of principles, issues, and trends in the psychology of counseling; and 4) self awareness as it relates to the counseling process. Practical application is stressed. Students are provided early and continuous skill practice with personalized feedback and coaching. Continuous opportunities for expanding awareness of the self of the counselor will be provided.

The program is both extensive and comprehensive. It is nationally accredited by CACREP and fulfills certification for mental health counselors. Graduates will complete the NBCC exam for National Counselor Certification.

Several other programs at EWU offer preparation for state counselor certification, including offerings by the Department of Psychology.

Mental Health Counseling**Course Requirements and Credit Hours**

- CEDP 506 Counseling Development and Transition Across the Lifespan (4)
- CEDP 520 Tactics of Psychological Research (4)
- CEDP 535 Introduction to Mental Health Counseling (4)
- CEDP 539 Special Topics: Research Writing (3)
- CEDP 542 Career Counseling (4)
- CEDP 544 Counseling Theory and Techniques (4)
- CEDP 545 Advanced Appraisal Techniques (4)
- CEDP 546 Group Counseling (4)
- CEDP 548 Counseling Children and Adolescents (4)
- CEDP 569 Family Systems and Parent Education (4)
- CEDP 575 DSM Treatment Issues for Counselors (4)
- CEDP 576 Professional Issues in Mental Health Counseling (4)
- CEDP 581 Consulting Approaches and Applications (2)
- CEDP 590 Multi-Cultural Issues (3)
- CEDP 591 Addictive Behavior Counseling (4)
- CEDP 592 Crisis Intervention and Trauma Counseling (4)
- CEDP 598 Advanced Seminar: Comprehensive Exam Review (3)
- CEDP 601 Research Project (3)
- CEDP 695 Practicum (12)
- CEDP 697 Internship Mental Health (20)

Successful performances on both a written comprehensive examination of conceptual attainments and an oral interview of practical applications are required.

Minimum total credits for above master's degree 98 credits

Master of Science in Applied Psychology: School Counseling Emphasis

The Master of Science in Applied Psychology: School Counseling emphasis is designed for students wishing preparation as counselors in school settings, primarily public schools.

Classes and experiences are organized to provide thorough grounding in the skills and knowledge generally recognized by the counseling profession. The program is accredited by CACREP and exceeds the Washington state requirement for ESA-School Counselor Certification.

Practical application is stressed and students are provided early and continuous skill practice with personalized feedback and coaching. Continuous opportunities for expanding awareness of the self of the counselor will be provided.

School Counseling**Course Requirements and Credit Hours**

- CEDP 506 Counseling Development and Transition Across the Lifespan (4)
- CEDP 508 Classroom Management for the School Counselor (4)
- CEDP 520 Tactics of Psychological Research (4)
- CEDP 539 Special Topics: Research Writing (3)
- CEDP 540 Professional School Counseling (4)
- CEDP 542 Career Counseling (4)
- CEDP 544 Counseling Theory and Techniques (4)
- CEDP 545 Advanced Appraisal Techniques (4)
- CEDP 546 Group Counseling (4)
- CEDP 548 Counseling Children and Adolescents (4)
- CEDP 569 Family Systems and Parent Education (4)
- CEDP 581 Consulting Approaches and Applications (2)
- CEDP 582 The Law for School Counselors (2)
- CEDP 590 Multi-Cultural Issues (3)
- CEDP 591 Addictive Behavior Counseling (4)
- CEDP 592 Crisis Intervention and Trauma Counseling (4)
- CEDP 598 Advanced Seminar: Comprehensive Exam Review (3)
- CEDP 601 Research Project (3)
- CEDP 695 Practicum (12)
- CEDP 697 Internship (15)
- Approved elective (4) credits

Successful performances on both a written comprehensive examination of conceptual attainments and an oral interview of practical applications are required.

Minimum total credits for above master's degree 95 credits

Master of Science: School Psychology

(Joint Program between the Departments of Counseling, Educational and Developmental Psychology and Psychology)

Mahlon Dalley, Program Director

**153E Martin Hall
(509) 359-6731**

This program prepares the student for practice as a school psychologist. Course work, practica and internship are aligned with state and national certification and training standards. Specific areas of training include student and program evaluation (i.e., measurement principles); development of academic and social behavioral intervention plans (i.e., instructional and behavior analysis and consultation, counseling); and research (i.e., methods and statistics). Knowledge and skills are developed through integrated course work, field experiences and internship. The program duration is three years.

Note: Students admitted to the School Psychology program will be required to have on file a completed, current FBI fingerprint check.

Prerequisites

A bachelor's degree in psychology or its equivalent is generally required. Successful completion of undergraduate course work in child or life-span development, research measurement and statistics is required. Faculty will evaluate each applicant on an individual basis to determine prerequisite needs.

Course Requirements and Credit Hours

- CEDP 503 Applied Learning Theory and Behavior Modification (4)
- CEDP 504 Theories of Human Development (4)
- CEDP 522 Teaching Exceptional Students I (4)
- CEDP 523 Assessing Exceptional Students (4)
- CEDP 546 Group Counseling (4)
- CEDP 548 Counseling Children and Adolescents (4)
- CEDP 554 Developmental Psychopathology (4)
- CEDP 556/PSYC 560 Professional School Psychology (5)
- CEDP 557 Consultation and Alternate Service Delivery (4)
- CEDP 569 Family Systems and Parent Education (4)
- CEDP 592 Crisis Intervention and Trauma Counseling (4)
- PSYC 503 Proseminar: Scientific Methods (3)
- PSYC 504 Proseminar: Learning and Behavior Therapy (3)
- PSYC 522 Advanced Statistics (5)
- PSYC 534 Human Neuropsychology (4)
- PSYC 554 Cognitive Assessment (4)
- PSYC 556 Personality and Behavioral Assessment (4)
- PSYC 558/CEDP 695 Practicum: School Psychology (17)
- PSYC 559 Cognitive Assessment Lab (3)
- PSYC 566 Cross-Cultural Psychology (5)
- CEDP 697 or PSYC 695 School Psychology Internship (15)
- CEDP 600/601 Thesis/Research Project (6)
- or PSYC 600/601 Thesis/Research Project (6)

Minimum total credits for above master's degree 114 credits

Successful completion of the National School Psychology Certification Examination and an oral examination that reviews the thesis/research project and contents is required.

**School Psychology Post Master's
(EWU-WSU) — Certificate Only Program**

Jaime Seaburg, Co-Director
Riverpoint
(509) 358-7690

This collaborative program is designed for educators and mental health professionals who currently hold a master's degree in their respective field and who aspire to obtain a State of Washington ESA Certification to become a school psychologist. EWU and WSU jointly administer and instruct the courses in the program, which is based in Spokane. This program is designed to reflect the scientist-practitioner model emphasizing comprehensive school psychological services that apply developmental, social, cognitive and behavioral orientations.

Classes are offered during the summer session and during evenings and/or weekends throughout the regular academic year. Students are admitted as a cohort at the beginning of summer session and continue through fall and spring sessions. The program of study is determined by evaluation of previous master's-level academic course work as it compares to the course requirements for WAC training standards and NASP accreditation standards for School Psychologist training (see curriculum for the School Psychology program at EWU). Program faculty will verify successful completion of certificate requirements to the EWU Certification Officer and the EWU Graduate Studies Office.

The number of total credits for each student will vary depending upon the candidate's previous graduate course work from an accredited university. Because the EWU-WSU Joint School Psychology Certificate-only student has already earned a master's degree in a related field such as counseling, psychology, or education, they will have already taken many classes similar to what the EWU school psychology student takes in the three-year School Psychology Program. Prior courses will be evaluated according to EWU, WAC and NASP standards for the School Psychology Program. These courses

should include such areas as social bases for behavior (e.g., multicultural or social psychology), foundations of education and educational intervention, statistics, research methods, child and adolescent development, assessment, counseling/psychotherapy and human learning. If candidates have not taken these courses, they will be required to do so as part of their certificate-only program of study. Candidates who have previously taken such course work will be required to take approximately 9–12 semester credit hours from WSU or approximately 14–20 quarter credit hours from EWU. These credits represent the professional aspects of school psychology, practica, and internship, and would be distributed as follows*:

- **EdPsy 521: Topics/Ed Psychology: School Psychology Professional Practice** (3 semester credits) or **CEDP 556/PSYC 560, Professional School Psychology** (4 quarter credits)
- **EdPsy 600: Special Projects/Independent Study: School Psychology Practicum** (3 semester credits) or **CEDP 695/PSYC 558, School Psychology Practicum** (4 quarter credits)
- **EdPsy 597: Educational Psychology Internship: School Psychology** (3–6 semester credits) or **CEDP 697/PSYC 695, School Psychology Internship** (6–12 quarter credits)

*Each of the universities will be responsible for offering approximately half of the required courses. The courses that will be taught by each university will be distributed as to the best utilization of resources and based on equal distribution.

Twelve hundred clock hours of internship and a comprehensive exam is required for School Psychologist Certification in the State of Washington and for NASP Certification. The internship may be reduced in length if the program faculty determine that previous internship experience(s) provided the candidate with knowledge and skills otherwise gained from the required internship (WAC 180-78A-195). The internship may not be reduced by more than 600 clock hours. Internships will occur in school settings, under the direct supervision of a certified School Psychologist.

Counseling, Educational and Developmental Psychology Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

Note: The faculty in the Department of Counseling, Educational and Developmental Psychology have given information on which quarters each course will be offered. Since changes may, and do, occur, please work with an advisor in the department when planning your schedule.

CEDP 160**Direct Instruction Tutoring (1–6)**

FALL/SPRING

Prerequisite: Permission of the instructor.

Classroom tutoring using Direct Instruction teaching techniques and curriculum.

CEDP 201**Life Span Development (4)**

WINTER/SPRING

[satisfies the GEGR for social sciences, list 2, anthropology, geography, psychology and sociology.]

A broad overview of human development from birth to death. Topics covered include the biological, cognitive, learning, cultural and socio-emotional influences on development. Designed for the non-major.

CEDP 210**Career Development (2)**

A resource course designed to provide information and assistance with academic and career decision-making. Standardized interest inventories are used as part of the information-gathering process. Open to students of any level.

CEDP 260**Direct Instruction Mentoring (1–6)**

FALL/SPRING

Prerequisite: CEDP 160 or permission of the instructor.

Classroom mentoring experiences using Direct Instruction teaching techniques and curriculum.

CEDP 302**Educational Psychology (5)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: EDUC 201, CEDP 201 recommended.

Principles of learning and development as applied to improvements in classroom instruction.

CEDP 313**Child and Adolescent Development (4)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: English proficiency required; Math proficiency recommended.

Mental, physical, social and emotional development from infancy through adolescence.

CEDP 314**Adult Development (4)**

FALL/SPRING

Prerequisites: English proficiency required; Math proficiency recommended.

Covers the processes, evidence, theories and socio-cultural influences on adults.

CEDP 315**Psychology of Human Relations (4)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: English proficiency required; Math proficiency recommended.

Helps develop your understanding and skill in interpersonal relationships needed for professional consultation and/or counseling.

CEDP 316**Psychology of Adjustment (5)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: English proficiency required; Math proficiency recommended.

A psychological approach to human behavior, growth and change.

CEDP 319**Psychological and Behavioral Assessment (4)**

FALL/WINTER

Prerequisites: CEDP 313, CEDP 314.

This course familiarizes students with basic methodologies for examining behavior change and status reports in various settings.

CEDP 320**Developmental Theories and Applications (4)**

FALL/WINTER/SPRING

Prerequisites: CEDP 313, 315 or permission of the instructor.

Covers principles and concepts of major theories of human development, evaluation of theories, appreciation of alternative views of development and alternative strategies for enhancing development.

CEDP 321**Introduction to Developmental Methods (4)**
FALL/WINTER/SPRING/SUMMER

Prerequisites: CEDP 313, 315, 319 or permission of the instructor. Must be taken concurrently with CEDP 322. This course provides an introduction to research methods used by developmental psychologists.

CEDP 322**Laboratory in Developmental Methods (1)**
FALL/WINTER/SPRING/SUMMER

Prerequisites: CEDP 313, 315 or permission of the instructor. To be taken concurrently with 321. Direct and simulated experiences in methods pertinent to applied developmental research.

CEDP 324**Human Learning (4)**
FALL/WINTER

Prerequisites: CEDP 313, 315, or permission of the instructor. A study of human learning emphasizing conditions for acquisition, learning structures, learning sets, levels of learning and measurement.

CEDP 363**Introduction to Special Education (4)**
FALL/WINTER/SPRING/SUMMER

Overview of definitions, causes, characteristics and educational approaches concerning students with disabilities and exceptional students.

CEDP 390**Psychology in the Secondary Schools (3)**

Prerequisite: Permission of the instructor. The teaching of psychology in the secondary schools. Program methods and materials.

CEDP 399**Special (Individual) Studies (1-5)**
FALL/WINTER/SPRING/SUMMER

Subjects vary according to faculty and student interest.

CEDP 402**Behavior Modification (4)**
WINTER/SPRING/SUMMER

Prerequisites: CEDP 313, 324 or permission of the instructor. Behavior modification provides an in-depth exposure to the principles, concepts and procedures from both behavioral and cognitive theories as applied to individuals, couples and families, organizational groups and community settings.

CEDP 404**Psychology of the Gifted/Talented Child (3)**
SPRING

Prerequisite: CEDP 302 or permission of the instructor. Giftedness and talent from a psychological perspective. Seminar format covers issues of development, measurement, theories, prediction and special needs.

CEDP 410**Teaching Students with Severe Disabilities (4)**
FALL/WINTER/SPRING/SUMMER

Prerequisite: CEDP 363. Overview of characteristics, educational and social issues related to working with students with severe disabilities.

CEDP 412**Introduction to Early Childhood Special Education (4)**
FALL/WINTER/SPRING

Prerequisite: CEDP 363. Overview of trends and services related to providing intervention for young children with disabilities (ages 0-8) and their families.

CEDP 420**Principles of Behavior for Students with Exceptional Needs (4)**
FALL/WINTER/SPRING/SUMMER

Prerequisite: CEDP 363. Overview of principles of behavior change and how they apply to students with exceptional needs.

CEDP 421**Classroom Management in Special Education Settings (4)**
FALL/WINTER/SPRING/SUMMER

Prerequisites: CEDP 363, 420. Covers fundamental knowledge and experiences for assessing and developing effective management strategies in special education classrooms.

CEDP 431**Pediatric and Adolescent Health Psychology (4)**

Prerequisite: CEDP 402 or permission of the instructor. An examination of health factors affecting developmental outcomes. There will be an emphasis on the health aspects of development and how to maintain and improve health-related behaviors in children and adolescents.

CEDP 444**Introduction to the Counseling Profession (4)**
FALL/WINTER/SPRING/SUMMER

Prerequisite: CEDP 315, 316, 320 or permission of the instructor. This course provides students with an introduction to the counseling profession, its specializations, history and ethics issues. Content includes communication skills, blocks to personal effectiveness and sequential stage model of problem solving for helpers.

CEDP 445**Psychology of Work and Leisure (4)**

Prerequisite: CEDP 316 or permission of the instructor. Personal development and individual differences, including abilities, interests, aptitudes and personality related to the world of work and leisure.

CEDP 453**Principles of Learning in Direct Instruction (2)**

Prerequisite: CEDP 363 or permission of the instructor. Analyzes basic principles and procedures of direct instruction systems. Emphasizes skills development curriculum materials for direct instruction.

CEDP 460**Special Education Methods (4)**
FALL/WINTER/SPRING/SUMMER

Prerequisite: CEDP 420 or permission of the instructor. Overview of the primary instructional and behavior management techniques needed to work successfully with persons with special needs.

CEDP 461**Methods for Teaching Students with High Incidence Disabilities (4)**
FALL/WINTER/SPRING/SUMMER

Prerequisites: CEDP 363, 460. Covers how to use Direct Instruction programs with students at-risk for school failure and those with special needs.

CEDP 462**Methods for Teaching Students with Severe Disabilities (4)**
WINTER/SPRING

Prerequisites: CEDP 363, 460. Covers instructional techniques used to teach skills to students with severe disabilities.

CEDP 463**Methods for Teaching Infants and Young Children with Disabilities (4)**
SPRING

Prerequisites: CEDP 363, 412, 460. Covers intervention strategies for teaching infants and young children with disabilities skills in home- and center-based programs.

CEDP 468**Tests, Measurements, and Evaluation (5)**
FALL/SPRING

Prerequisites: CEDP 316, 319, 320 or permission of the instructor. This course offers a survey of psychological testing and its use in the fields of counseling and education. Course content includes a review of relevant statistics principles, validity and reliability, a survey of widely used testing instruments, and ethical issues related to testing, including confidentiality, test selection, and testing bias.

CEDP 470**Special Education Assessment (4)**
FALL/WINTER/SUMMER

Prerequisites: CEDP 363, 460. Covers how to evaluate, interpret, select, develop and use formal and informal assessment tools specifically for students with special needs.

CEDP 471**Assessment of Students with Severe Disabilities (4)**

Prerequisites: CEDP 363, 410, 460. Covers how to evaluate, interpret, select, develop and use formal and informal assessment tools specifically for students with severe disabilities.

CEDP 472**Assessment of Infants and Young Children with Disabilities (4)**
WINTER

Prerequisites: CEDP 363, 412, 460. Covers how to evaluate, interpret, select, develop and use formal and informal assessment tools specifically for infants and young children with disabilities and their families.

CEDP 473**Counseling for Teachers (4)**
Philosophy, principles and techniques of the pupil personnel services.**CEDP 474****Elementary School Guidance (3)**
Studies various approaches to elementary school guidance including the role of the teacher and the specialist.**CEDP 476****Child and Family Guidance (4)**
FALL/WINTER/SUMMER

Prerequisites: CEDP 313, 324 or permission of the instructor. The interaction between parents and children, the development and socialization of the child within the family, and the relationship of the family to the school and community from a developmental perspective. Approaches to child rearing, management, discipline, and communication for parents, teachers and other child care personnel are presented. Also examines family social support functions and considers multicultural issues in child socialization and guidance. Appropriate for present and future parents, teachers and child personnel.

CEDP 480***Inclusionary Practices and Collaboration (4)***

FALL/WINTER/SPRING

Prerequisites: CEDP 363, 460.

Covers information and skills needed to collaborate effectively with students, educators, parents, and agencies to implement appropriate special education programs.

CEDP 481***Professionalism in Special Education (4)***

FALL/WINTER/SPRING

Prerequisite: To be taken at the end of program.

Covers professional issues and principles required to obtain a teaching certificate and position working with students with disabilities.

CEDP 483***Group Dynamics (5)***

FALL/WINTER/SPRING

Prerequisites: CEDP 315, 444 or permission of the instructor.

Introduces the principles formed through the scientific study of small-group dynamics, and considers the issues and problems arising in the study of groups. (Cross-listed PSYC 483)

CEDP 486***Sexism in Counseling (1-3)***

Current issues in the counseling profession and analysis of counseling attitudes and behaviors related to sex bias or sex stereotyping.

CEDP 487***Assistive Technology and Related Services in Special Education (4)***

WINTER/SPRING

Prerequisites: CEDP 363, 460.

Covers the use of technology and assistive devices used to aid students with disabilities.

CEDP 488***Special Education Practicum (3)***

FALL/WINTER/SPRING

Graded Pass/No Credit.

Prerequisites: CEDP 363; 3 credits to be completed when taking CEDP 420 and 460 and 3 credits to be completed when taking CEDP 421 and 461/462/463.

Students observe and demonstrate effective teaching practices in a special education setting.

CEDP 489***Special Education Student Teaching (16)***

FALL/WINTER/SPRING

Graded Pass/No Credit.

Prerequisites: CEDP 421, 461/462/463, 470/471/472, 480, 481, 487, 488.

Provides the student with teaching experience in a special education setting.

CEDP 490***Senior Capstone: Developmental Psychology Senior Seminar (4)***

WINTER/SPRING

[satisfies senior capstone university graduation requirement.]

The course is designed to help students make the transition from the academic world to the world of work and civic life or to a higher level of academic achievement. The primary goal for the student's successful transition will be accomplished via the process of application. The course is designed also as an end-of-program assessment tool. The basic assumption is that the developmental course work has equipped the students with the knowledge of developmental theories, counseling strategies, research methods and assessment procedures. This capstone will test the student's ability to apply the course work to real-world situations. The course objectives are organized to facilitate the process of application.

CEDP 491***Senior Thesis (4)***

FALL/WINTER/SPRING/SUMMER

[satisfies senior capstone university graduation requirement.]

Prerequisite: Invitation of the instructor/advisor.

Directed research resulting in a formal write-up. Limited to those students for whom research experience will be helpful in obtaining entrance to graduate school. This course replaces ITGS 400 as a senior capstone experience.

CEDP 492***Field Study in Child Issues and Problems (4)***

FALL/WINTER/SPRING/SUMMER

Prerequisites: CEDP 313, 324, some senior, major courses and faculty advisement.

This course introduces students to professional human service settings through shadowing a professional in the community. Students are expected to enroll in this course over two consecutive quarters.

CEDP 493***Field Study in Adolescent Issues and Problems (4)***

FALL/WINTER/SPRING/SUMMER

Prerequisites: CEDP 313, 324 some senior, major courses and faculty advisement.

This course introduces students to professional human service settings through shadowing a professional in the community. Students are expected to enroll in this course over two consecutive quarters.

CEDP 494***Field Study in Adult Issues and Problems (4)***

FALL/WINTER/SPRING/SUMMER

Prerequisites: CEDP 314, 324, some senior, major courses and faculty advisement.

This course introduces students to professional human service settings through shadowing a professional in the community. Students are expected to enroll in this course over two consecutive quarters.

CEDP 495***Experiential Learning (1-12)***

FALL/WINTER/SPRING/SUMMER

Graded Pass/No Credit.

Prerequisite: Permission of the instructor (interview required).

Individual learning and career development course with an off-campus internship contract coordinated through the Internship Program.

CEDP 496***Experimental Course (1-5)***

FALL/WINTER/SPRING/SUMMER

CEDP 497***Workshops, Short Courses, Conferences (1-10)***

FALL/WINTER/SPRING/SUMMER

CEDP 498***Seminar (1-5)***

FALL/WINTER/SPRING/SUMMER

Subjects vary according to faculty and student interest.

CEDP 499***Directed Study (1-10)***

FALL/WINTER/SPRING/SUMMER

Graded Pass/No Credit.

Prerequisites: Permission of the instructor and the department chair.

Students who are admitted to a graduate program in the Department of Counseling, Educational and Developmental Psychology or with prior approval of the instructor may register for the following classes. For specific prerequisites see individual course descriptions.

CEDP 501***Advanced Communication Theory (5)***

This advanced course emphasizes the role of theory in the process of communication inquiry. The course covers a variety of communication theories, reflecting the diverse aspects of the field. In the course, communication is analyzed from several theoretical standpoints: as message transfer, as practical art, as mediation by signs, as sharing of experiences, as socio-cultural order and as arrangement of power. The course shows how advanced theory can be used in the analysis of traditional and emerging communication contexts. (Cross-listed CMST 501)

CEDP 502***Theories of Learning (4)***

An objective and comprehensive study of the major theories of learning with an emphasis on lifespan development related to applied human services.

CEDP 503***Applied Learning Theory and Behavior Modification (4)***

WINTER

Applied learning theory, methodology and research paradigms will be defined and their inter-theory, inter-subject, inter-problem-solving relevance demonstrated.

CEDP 504***Theories of Human Development (4)***

WINTER

Major theories of human development in which developmental processes and issues emphasized by different theories are described and compared.

CEDP 505***Skinner: Humanistic Roots of Radical Behaviorism (4)***

This course is designed to provide a solid understanding of radical behaviorism, while dispelling various popular myths.

CEDP 506***Counseling Development and Transition Across the Lifespan (4)***

FALL

Major theories of human development, in which developmental processes and issues emphasized by different theories are described and compared. Because counseling is about development, priority will be placed on understanding the nature and needs of individuals at all developmental levels, and the counseling implications associated with developmental processes.

CEDP 508***Classroom Management for the School Counselor (4)***

FALL

Prerequisite: Admission to the graduate counseling program, school counseling track.

This course will provide an understanding of the role of the teacher in managing classroom behavior, how to establish positive teacher-student and peer relationships that help meet student's basic psychological needs and build a community of support within the classroom.

CEDP 515***Advanced Educational Psychology (4)***

SPRING/SUMMER

The relevance of psychological theory to educational practice as applied to teaching, learning, development and evaluation.

CEDP 518**Problems in Child Development (4)**

WINTER/ALTERNATE SUMMERS

Special problems in child development.

CEDP 519**Problems of Adolescence (4)**

SPRING/ALTERNATE SUMMERS

Special problems of this development period.

CEDP 520**Tactics of Psychological Research (4)**

FALL/SPRING/ALTERNATE SUMMERS

A critical analysis of research methodologies in psychology. Emphasis is placed on developing student skills in asking and answering sound research questions.

CEDP 521**Foundations of Special Education (4)**

FALL/ALTERNATE SUMMERS

Prerequisite: Admission to the graduate program in special education.

Overview of the historical and legal foundations of special education, as well as an in-depth study of the characteristics of exceptional individuals.

CEDP 522**Teaching Exceptional Students I (4)**

FALL/ALTERNATE SUMMERS

Prerequisite: Admission to the graduate program in special education.

Instructional methods derived from the effective teaching research including management of time, instructional design, presentation of information, academic monitoring, error correction procedures and curricular modifications.

CEDP 523**Assessing Exceptional Students (4)**

FALL/ALTERNATE SUMMERS

Prerequisite: Admission to the graduate program in special education.

Overview of the prereferral to placement process and an in-depth examination of the primary standardized assessment instruments and procedures for determining eligibility for Special Education.

CEDP 530**Tactics in Psychological Research: Group Design (4)**

Prerequisite: CEDP 520 or permission of the instructor.

A critical analysis of research methodologies in psychology. Emphasis is placed on developing student skills in asking and answering sound research questions with group design methods.

CEDP 531**Designing Management Programs (4)**

WINTER

Prerequisites: CEDP 520 and admission to the graduate program in special education.

In-depth study of school-wide practices, classroom management techniques and individualized interventions for promoting positive social behavior.

CEDP 532**Teaching Exceptional Students II (4)**

WINTER/ALTERNATE SUMMERS

Prerequisites: CEDP 522 and admission to the graduate program in special education.

Instructional methods and strategies for teaching reading and language arts to students with exceptional needs.

CEDP 533**Collaborative Program Development for Exceptional Students (4)**

WINTER/ALTERNATE SUMMERS

Prerequisites: CEDP 520 and admission to the graduate program in special education.

Designing collaborative programs with focus on participation on multidisciplinary teams, development of instructional and transitional programs, supervision of support staff and consultation with parents and teachers.

CEDP 534**Teaching Exceptional Students III (4)**

SPRING/ALTERNATE SUMMERS

Prerequisites: CEDP 522 and 532 and admission to the graduate program in special education.

Instructional methods and strategies for teaching math and content areas to students with exceptional needs as well as consultation and coaching techniques.

CEDP 535**Introduction to Mental Health Counseling (4)**

FALL

Prerequisite: Program admission or permission of the instructor.

An introduction to the profession of Mental Health Counseling. The course will emphasize historical, philosophical, professional, ethical and public policy perspectives. It will focus on the role of the counselor and the various clientele. Students will be introduced to the role of diagnosis in the counseling process as well as to the organization and administration of mental health practice.

CEDP 538**Journal Reading in Special Education (3)**

SUMMER

Prerequisite: Admission to the graduate program in special education.

Provides students with skills in reading and analyzing research-based articles in special education journals.

CEDP 539**Special Topics (1-5)**

FALL/WINTER/SPRING/SUMMER

Pass/No Credit grading allowed for program requirements.

CEDP 540**Professional School Counseling (4)**

FALL

Prerequisites: Program admission or permission of the instructor, and a completed current FBI fingerprint check.

The development of the school counseling profession; counseling functions within systems; the structure and management of counseling programs.

CEDP 541**Group Processes (4)**

Prerequisites: Permission of the instructor and a completed current FBI fingerprint check.

The purposes of this course are to enable the student to observe and analyze group interaction and to relate resulting data to existing counseling theory and techniques, and to influence in purposeful ways the group interaction in which one participates.

CEDP 542**Career Counseling (4)**

FALL

Prerequisites: Program admission to a Department of Counseling, Educational and Developmental Psychology graduate program, permission of the instructor, completed current FBI fingerprint check, and successful completion of one quarter of CEDP 695 or equivalent.

Career development theory; educational and vocational information; career decision-making processes; components of school or community career programs.

CEDP 544**Counseling Theory and Techniques (4)**

FALL

An introduction to principles of counseling, and a survey of contemporary theories and techniques.

CEDP 545**Advanced Appraisal Techniques (4)**

WINTER

Prerequisite: CEDP 468 or equivalent.

The administration, scoring and interpretation of standardized tests and batteries used in counseling. (Two sections are offered: one for Mental Health Counseling and one for School Counseling.)

CEDP 546**Group Counseling (4)**

WINTER

Prerequisites: Permission of the instructor and a completed current FBI fingerprint check.

Factors that lead to group change; membership, goals, productivity and organization. Students will participate in, and serve as leaders of groups.

CEDP 548**Counseling Children and Adolescents (4)**

WINTER/SUMMER

Prerequisites: Permission of the instructor and a completed current FBI fingerprint check.

Counseling principles and techniques as applied to children and adolescents will be presented and analyzed.

CEDP 549**ESA Peer Review (3)**

ALTERNATE SUMMERS

Prerequisite: Admission to a Department of Counseling, Educational and Developmental Psychology graduate program or permission of the instructor.

The major emphases of this course are on upgrading the knowledge and skills of practicing counselors and providing a forum for peer review based on contemporary standards of practice. Required peer review course for continuing ESA Certification.

CEDP 554**Developmental Psychopathology (4)**

SPRING

This course focuses on psychopathological disorders of childhood and adolescence, critically attending to normal and abnormal developmental sequences. Attention is given to the diagnosis and implications of such disorders, and to clinical and educational intervention methods.

CEDP 555**Contemporary Applications and Reading in Behaviorism (4)**

Prerequisites: CEDP 502, 503, and 505 or permission of the instructor.

This course will provide the student with advanced information on contemporary behaviorism. Multiple perspectives and applications will be explored, from clinical behavior analysis to stimulus equivalence.

CEDP 556**Professional School Psychology (5)**

FALL

Prerequisite: Program admission.

This course focuses on the history and foundations of school psychology, legal and ethical issues, professional issues, professional issues and standards, and the roles and functions of the school psychologist.

CEDP 557**Consultation and Alternate Service Delivery (4)**

SPRING

Prerequisite: Program admission.

This course focuses on the history and principles of collaborative consultation, and their application within the school setting, and alternative systems for delivering prereferral, assessment, and intervention services to students, families, and school personnel.

CEDP 558**Special Topics in Exceptionality (4)**

In-depth exploration of empirically-based research and current issues related to working effectively with students with high incidence disabilities.

CEDP 569**Family Systems and Parent Education (4)**

WINTER

Prerequisite: Appropriate undergraduate work in education or psychology or permission of the instructor.

The foundations of family systems theory. Examines the interaction between parents, development of the child and the relationship of the family to the school and community. Approaches to child rearing, management, and discipline will be considered. Special consideration is given to parent education classes and recent literature in parent counseling.

CEDP 570**Theories of Family Counseling and Therapy (3)**

An introduction to theory, perspectives, procedures and historical development of family counseling and therapy. (Cross-listed SOWK 570)

CEDP 571**Family Counseling and Therapy Intervention Techniques (3)**

Prerequisite: CEDP 570 or SOWK 570.

Laboratory in family assessment and change techniques. Students assess simulated or actual family situations, plan intervention strategies and apply family therapy techniques in the laboratory setting. (Cross-listed SOWK 571)

CEDP 575**DSM Treatment Issues for Counselors (4)**

FALL

The examination of current issues related to the classification and diagnosis of abnormal behavior and psychological states and their relationship to treatment. Dimensional, categorical and functional approaches to classification are reviewed, with emphasis on current forms of child and adult psychopathology found in the DSM-IV-R. Diagnostic topics include historical influences, cultural variation, symptomology, etiology, developmental patterns and treatment approaches to various diagnostic categories.

CEDP 576**Professional Issues in Mental Health Counseling (4)**

SPRING

Prerequisites: CEDP 544, 545.

This course provides students an opportunity to transition from the role of a counselor in training to a beginning professional in the field of mental health counseling. Topics will include advocacy, post graduate credentials, supervision, managed health care systems, agency and private practice and organizational change. An emphasis will be placed on professional identity and roles.

CEDP 580**Professional Ethics and Law (4)**

Introduction to and study of the professional codes of ethics pertaining to delivery of psychological/counseling services; survey of pertinent laws; study and discussion of applications and issues for delivery of psychological services in various settings.

CEDP 581**Consulting Approaches and Applications (2)**

SPRING

Application of psychological skills to organizations and systems; systems analysis and intervention.

CEDP 582**The Law for School Counselors (2)**

SPRING

Prerequisite: Admission to the graduate counseling program, school counseling track.

This course provides students with an understanding of the current issues, policies, laws, legislation, ethical and legal considerations related specifically to the practice of school counseling. Students will utilize current resources available to school counselors in order to recognize the most pertinent legal and ethical areas concerning school counselors today.

CEDP 590**Multi-Cultural Issues (3)**

SPRING

Prerequisite: Admission to a Department of Counseling, Educational and Developmental Psychology graduate program or permission of the instructor.

This course will introduce students to the impact of their culture on their own life space, create an increased sensitivity to other cultures, and discuss and develop appropriate multicultural counseling techniques in diverse settings.

CEDP 591**Addictive Behavior Counseling (4)**

SPRING

Prerequisites: Admission to a Department of Counseling, Educational and Developmental Psychology graduate program, CEDP 444, successful completion of one quarter of CEDP 695 or equivalent, a basic course in statistics and/or tests and measurements, or permission of the instructor. Graduate survey course of theory and pragmatics in addictive behavior counseling and supervision.

CEDP 592**Crisis Intervention and Trauma Counseling (4)**

SPRING

Prerequisites: Admission to a Department of Counseling, Educational and Developmental Psychology graduate program, successful completion of at least two quarters of CEDP 695 or equivalent, and first year courses CEDP 502, 504, 541, and 546, or permission of the instructor.

This course is designed to provide students with an overview of the theory, issues and skills of crisis counseling including: models for working with children and adolescents, working with victims of violence and their abusers, issues of health-related, school, and mental health crises, and the ethical, legal, and diversity factors of crisis intervention.

CEDP 593**Specialized Counseling Techniques (4)**

Prerequisites: Admission to a Department of Counseling, Educational and Developmental Psychology graduate program in counseling, successful completion of 3 quarters of CEDP 695 or equivalent, concurrent enrollment in CEDP 697, first year courses including CEDP 502, 504, 541, and 546, or permission of the instructor.

An introduction to advanced and nontraditional counseling techniques. This course explores the skills, theoretical, and assessment aspects of creative arts in counseling. Creative counseling techniques and treatment approaches with a variety of populations will be considered.

CEDP 596**Experimental Course (1-5)**

FALL/WINTER/SPRING/SUMMER

CEDP 597**Workshops (1-15)**

FALL/WINTER/SPRING/SUMMER

Note: Workshop credit cannot be used to fulfill graduate degree requirements.

CEDP 598**Seminar (3)**

FALL/WINTER/SPRING/SUMMER

Advanced Counseling Seminar will be graded Pass/No Credit only.

Current problems in applied psychology. The subject matter will vary according to the needs and interests of students.

CEDP 599**Independent Study (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the instructor and the department chair.

CEDP 600**Thesis (1-15)**

FALL/WINTER/SPRING/SUMMER

Graded Pass/No Credit.

Prerequisites: Permission of the department chair and the graduate committee chair.

A bound research study conducted as a partial fulfillment of a master's degree under the direction of a graduate committee.

CEDP 601**Research Project (1-15)**

FALL/WINTER/SPRING/SUMMER

Graded Pass/No Credit.

Prerequisites: Permission of the department chair and the graduate committee chair.

A research study in lieu of a bound thesis conducted as partial fulfillment of a master's degree under the direction of a graduate committee.

CEDP 695**Practicum (Specialized Areas) (1-9)**

FALL/WINTER/SPRING/SUMMER

Graded Pass/No Credit.

Prerequisites: Admission to a Department of Counseling, Educational and Developmental Psychology graduate program or permission of the instructor and a completed current FBI fingerprint check.

Professional liability insurance is highly recommended for all counseling students. Supervised experience in special areas.

CEDP 696**Internship: Community College Teaching (1-15)**

Graded Pass/No Credit.

Teaching of a lower-division college course under supervision of a regular faculty member assigned by the department chair. Includes course planning, arranging bibliographical and other instructional aids, conferences with students, experience in classroom instruction and student course evaluation.

CEDP 697**Internship (Specialized Areas) (1-15)**

FALL/WINTER/SPRING/SUMMER

Graded Pass/No Credit.

Prerequisite: Admission to Mental Health Counseling track. Internship experience of professionally supervised service in an approved agency or institution.

CREATIVE WRITING

See ENGLISH.

CRIMINAL JUSTICE

College of Social and Behavioral Sciences

Dale Lindekugel, Chair

314 Patterson Hall

(509) 359-2335

BA

Minor

Faculty: P. Indabl, L. Schaible, R. Schneider

UNDERGRADUATE PROGRAMS

Within the bachelor of arts degree, the Department of Sociology and Criminal Justice offers a program in Criminal Justice, blending career education and the liberal arts. Criminal Justice is an integrated major with required course work in the core disciplines that provide the theoretical and methodological roots of contemporary criminological inquiry as well as applied course work in Criminal Justice. The program is designed to provide an academic foundation appropriate for an educated citizen as well as particular specializations and certifications for career preparation.

The Department of Sociology and Criminal Justice believes that a University must educate broadly to enrich both career and life. Accordingly, students in the criminal justice program will complete social science foundation courses as well as core disciplinary courses. In order to assist them as they move into a variety of career paths, students must also complete course work in an approved area of specialization or an interdisciplinary certificate.

All 300 and 400 level CRIM courses have a prerequisite of sophomore standing or above.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)

Criminal Justice Major (74-75 credits minimum)

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses:

Introduction

CRIM 300 Introduction to Criminal Justice (5)

Foundation Courses

CSBS 310 Foundations of Social and Behavioral Sciences Theory (5)

CSBS 320 Introductory Statistics for the Social Sciences (5)

CSBS 330 Integrated Social Science Methods (5)

Disciplinary Core Courses

CRIM 382 Criminal Justice Organization and Administration (5)

CRIM 490 Criminal Justice Senior Capstone (5)

GOVT 306 Basic Concepts of Criminal Law (5)

PHIL 212 Introductory Ethics (5)

PSYC 302 Abnormal Psychology (5)

SOCI 301 Crime and Society (5)

SOCI 458 Sociology of Institutional Corrections (5)

Specialty Tracks:

Law Enforcement: Choose minimum of 20 credits.

Required Courses

CRIM 468 Police Systems and Practices (5)

CRIM 495 Internship in Criminal Justice (6)

GOVT 302 Criminal Procedure (5)

Choose minimum of 4 credits from below:

CRIM 304 Forensic Inquiry (5)

CRIM 306 Forensic Photography (2)

CRIM 404 Forensic Identification (4)

CRIM 491 Criminal Justice Education and Training (5)

ADST 300 Survey of Alcohol/Drug Problems (4)

SOCI 363 Sociology of Deviance (5)

Pre-Graduate Criminology: Choose minimum of 19 credits.

Required Courses

SOCI 363 Sociology of Deviance (5)

SOCI 455 Criminology (5)

Choose minimum of 9 credits from below:

CRIM 302 Criminal Justice Systems and Development (4)

CRIM 416 Comparative Criminal Justice Systems (5)

CSBS 321 Computer Aided Data Analysis (4)

GEOG 328 Geographic Information Systems (5)

GOVT 305 Jurisprudence (5)

PSYC 425 Psychology and the Legal System (5)

Corrections: Choose minimum of 20 credits.

Required Courses

CRIM 495 Internship in Criminal Justice (6)

SOCI 459 Sociology of Community Corrections (5)

Choose minimum of 9 credits from below:

CRIM 485 Correctional Counseling: Group Methods (5)

CRIM 491 Criminal Justice Education and Training (5)

CEDP 313 Child and Adolescent Development (4)

PSYC 425 Psychology and the Legal System (5)

SOCI 452 Juvenile Delinquency (5)

Introduction credits

5 credits

Foundation credits

15 credits

Disciplinary core credits

35 credits

Specialty track credits

19-20 credits

Minimum total credits for above major

74 credits

There may be courses taught at times that could be used as a substitute for courses listed under Specialty Tracks. Please consult your advisor to determine if a course is appropriate.

CRIM 299 Individual Study (1-5)

CRIM 307 Special Topics in Criminal Justice (1-5)

CRIM 399 Individual Study (1-5)

CRIM 496 Experimental Course (1-5)

CRIM 499 Individual/Independent Study (1-5)

ANTH 496 Experimental Course (1-5)

Note: Students may incorporate one of the CSBS certificate options as one of the specialty tracks. CSBS Certificate Programs currently proposed include Children's Studies, Conflict Management, Geographic Information Systems, and Gender Studies.

Students working with their advisor, may also craft their own specialization track with approved university courses and with the approval of the Department Chair.

Minor

Criminal Justice Minor (30 credits)

Required Courses

CRIM 300 Introduction to Criminal Justice (5)

CRIM 382 Criminal Justice Organization and Administration (5)

CSBS 330 Integrated Social Science Methods (5)

SOCI 301 Crime and Society (5)

Electives

Select courses from any other CRIM prefix courses.

Required credits

20 credits

Elective credits

10 credits

Total credits for above minor

30 credits

Criminal Justice Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

CRIM 299

Individual Study (1-5)

Prerequisite: Permission of the instructor.
Individual study in criminal justice. Topics are mutually agreed upon by the instructor and student.

CRIM 300

Introduction to Criminal Justice (5)

This course is taught from the perspective of the criminologist and emphasizes the interaction within and between the systems of law enforcement, the courts and treatment.

CRIM 302

Criminal Justice Systems and Development (4)

A survey and analysis of the origins and development of the contemporary criminal justice system in America.

CRIM 304

Forensic Inquiry (5)

For majors only.
Scientific methods of inquiry used in forensic investigations. Includes methodologies from social science, natural science, law and criminal justice.

CRIM 305

Controversial Criminal Justice Topics (4)

May be taken under two separate titles.
A variety of controversial topics which exist in the criminal justice system. Examples may include vice, police unions, capital punishment and prisoners' rights.

CRIM 307

Special Topics in Criminal Justice (1-5)

An open topics course on contemporary criminal justice practice.

CRIM 320

Instrumental Detection of Deception (4)

A study of the development and use of the polygraph in the 20th century. Emphasizes theory and practice.

CRIM 382

Criminal Justice Organization and Administration (5)

Basic organization and management of criminal justice agencies. Discusses line, personnel and auxiliary functions.

CRIM 399

Individual Study (1-5)

FALL/WINTER/SPRING

Prerequisite: Permission of the instructor.
Individual study in criminal justice. Topics are mutually agreed upon by the instructor and student.

CRIM 404

Forensic Identification (4)

Limited to 15 students.
This course is an advanced laboratory course in forensic facial reconstruction, forensic osteology and computer applications to forensic identification.

CRIM 416

Comparative Criminal Justice Systems (5)

A comparative approach to understanding the different criminal justice systems found throughout the world.

CRIM 460

Penology (5)

Course fee. CJ majors have priority. Prerequisite: Acceptable background security check.

A study of the contemporary practice of penology in the western world with special attention to the United States and Washington state. Lecture, laboratory and required field trips to Northwest Custodial Institutions.

CRIM 468

Police Systems and Practices (5)

Prerequisite: CRIM 300 or permission of the instructor.
This course examines the profession of a police officer. Topics include criminal investigations, specialized operations, ethics, liability, and the process, organization and management of policing in the United States.

CRIM 485

Correctional Counseling: Group Methods (5)

Examines group methods used with criminal offenders, both juvenile and adult. Includes treatment programs, evaluation and therapeutic environments.

CRIM 490

Criminal Justice Senior Capstone (5)

[satisfies senior capstone university graduation requirement.]

Prerequisites: Senior standing; must be taken prior to internship.

This course examines the relationship between the major subsystems of the criminal justice system, police, courts, corrections and juvenile justice. Each of these major components addresses issues of crime in society with the same constituents, but from a different perspective. Examination of issues that each component has in common and the manner in which they are differently addressed is the focus of this course. Criminal Justice students will gain an appreciation for the eclectic nature of the profession through in-depth analysis of current issues and designing a resolution mechanism. The characterization of a "criminal justice system" is discussed from the perspective of individual mission of each element of the "system" to identify the presence or absence of commonality—except for constituency. The distinctive division of labor between corrections, police administration and the courts are described in effort to identify the decision-making processes to further amplify their interdependence and interrelatedness. Through examination of dilemmas faced by the system students will develop an appreciation for and understanding of the system from the macro perspective. The purpose of this course is to bring together the different elements of the system through examining how each of these elements address common, relevant and timely issues.

CRIM 491

Criminal Justice Education and Training (5)

Presents a laboratory approach for preparation of the professional training officer. Methods include instruction in preparation and delivery of lectures; process learning; dramatic methods; simulations and commercial sources of instructional information.

CRIM 495

Internship (6-12)

SUMMER

Prerequisites: 2.5 GPA, permission of internship instructor and CRIM 490.

The intern earns credits through participation in a full-time work experience. The length of time is determined by the amount of credit. Normally it will be 10 weeks. Requirements include an on site visit, detailed written report and additional assignments. Internships are limited to the state of Washington and some selected Idaho and Oregon locations. Applications and approval must be obtained prior to the internship experience. Credit for unapproved internship or life experience is not granted.

CRIM 496

Experimental Course (1-5)

CRIM 497

Workshops, Short Courses, Conferences (5)

CRIM 498

Seminar (5)

For majors only. Prerequisites: 1) ENGL 205, 2) 40 major credits, and 3) permission of the instructor.

CRIM 499

Individual/Independent Study (1-5)

Not open to students with a GPA below 3.0.

Prerequisite: Permission of the instructor.

For individual/independent study in criminal justice. Topics are mutually agreed upon by the instructor and the student.

DENTAL HYGIENE

College of Science, Health and Engineering
 Rebecca Stolberg, Department Chairperson
 Health Sciences Building
 310 N. Riverpoint Blvd.
 Box E, Spokane, WA 99202
 (Program Office and Clinic)
 (509) 368-6510

Advisors: K. Barber Ocheltree, L. Al-Tassan
 BS

Faculty: L. Bilich, K. Conlin, A. Dimarco, A. Nickerson, J. Nord, R. Stolberg

UNDERGRADUATE PROGRAM

The Department of Dental Hygiene functions within the University setting and offers a baccalaureate degree in dental hygiene which combines a strong liberal arts background with a professional education. General education courses, basic, dental and dental hygiene science courses are integrated into the practice of dental hygiene.

Students interested in majoring in dental hygiene should request current information on application procedures and seek advising early in their university program. During the first year(s) of study, students complete dental hygiene prerequisite courses and some General Education Core Requirements. During the final year of prerequisites (either fall or winter quarter), students must declare Dental Hygiene as their major and formally apply for admission to the Dental Hygiene Department, which begins its session the following fall quarter. Applications are available from the department's website.

General Admissions Requirements for Dental Hygiene: All students enrolling in dental hygiene courses must hold a current Health Care Provider CPR Certification. In addition to the \$35.00 university admission fee, there is an additional \$40.00 student Department application fee.

All students are urged to maintain contact with department advisors during their prerequisite year(s) because admission criteria are revised periodically. Since enrollment is limited and the admission process is competitive, no assurance can be given that all applicants admitted to the University and successfully completing the prerequisite course work will be admitted to the dental hygiene department.

Admissions Requirements for Transfer Students: Students transferring from either four-year institutions or community colleges must first apply for admission to the University through the EWU Admissions Office, which will evaluate transfer course work and, upon request, send a copy of the transcript evaluation to the Dental Hygiene Program.

Once admitted to EWU, transfer students should contact the Dental Hygiene Department and arrange to meet with a department advisor for curricular planning and to declare their major.

Applications to the dental hygiene department will not be processed until students have been formally admitted to the University and a copy of their transcript evaluation has been sent from Admissions to the Dental Hygiene Department.

Attention High School Students: Those students interested in dental hygiene should complete one year of high school chemistry, biology and algebra.

Placement Record for EWU Dental Hygiene Graduates: EWU dental hygiene graduates have an excellent placement record in Spokane and nationwide. The program has a 46-chair clinic located on the Riverpoint Campus in Spokane. The clinic provides dental services to the general public by students under direct faculty supervision.

Mission: The Department's mission is to educate baccalaureate dental hygienists to assume positions of responsibility in multiple settings. The faculty of the department are committed to creating a quality educational environment that will facilitate the development of responsible professionals who can function effectively in a constantly changing society.

Department Goals for Dental Hygiene: The following goals direct the design, purpose and philosophy of the Department of Dental Hygiene at Eastern Washington University:

1. Dental hygiene students who graduate from the program will be successful in meeting the competencies outlined in the department's *Competencies for a Dental Hygienist* document.
2. Graduates will be prepared to successfully pass any dental hygiene licensing examination given in the United States.
3. Faculty will establish a curriculum that will promote higher order thinking which will assist dental hygiene students in developing professional judgment, decision-making and problem-solving skills.
4. Faculty will provide a curriculum which will encourage students to function as team members in the delivery of care and services.
5. Students will demonstrate effective communication skills through application and integration of interpersonal skills, educational strategies, presentation skills and writing skills.
6. Consumers will be satisfied with the quality of services received.

The dental hygiene program consists of a minimum of one year of pre-dental hygiene courses followed by a three-year professional curriculum. The professional segment of the three-year curriculum includes emphasis on dental sciences, community dental health, health research theory and clinical practice in traditional and expanded functions. Dental clients are treated at the EWU clinic and at the Veterans' Administration Medical Center, Ronald McDonald Care Mobile and Spokane Falls Family Clinic. The program is fully accredited by the Commission on Dental Accreditation of the American Dental Association and leads to a specialized Bachelor of Science in Dental Hygiene degree. It is the only traditional baccalaureate dental hygiene program in Washington state.

Degree Completion: Expanded degree possibilities are available in Seattle, Tacoma and Vancouver, WA for dental hygienists from two-year institutions who desire a baccalaureate degree. Transcripts and inquiries should be directed to the chair of the dental hygiene program, Eastern Washington University.

Required courses in the following program of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Science (BS)

Dental Hygiene Major (149-152 credits)

Required Courses

- DNHY 300 Head and Neck Anatomy (3)
- DNHY 301 Dental Anatomy (3)
- DNHY 302 Histology/Embryology (3)
- DNHY 310 Radiography (3)
- DNHY 311 Radiography (2)
- DNHY 320 Pharmacology for the Dental Hygienist (3)
- DNHY 321 Pain Control (3)
- DNHY 330 Preclinical Dental Hygiene I (4)
- DNHY 331 Preclinical Dental Hygiene II (4)
- DNHY 332 Preclinical Dental Hygiene III (4)
- DNHY 341 Pathophysiology I (3)
- DNHY 342 Pathophysiology II (3)
- DNHY 350 Clinical Dental Hygiene I (4)
- DNHY 351 Clinical Dental Hygiene II (4)
- DNHY 352 Clinical Dental Hygiene III (4)
- DNHY 360 Preventive Dentistry (2)
- DNHY 380 Introduction to Restorative Duties I (3)
- DNHY 381 Principles of Restorative Duties II (3)
- DNHY 421 Periodontology I (3)
- DNHY 422 Periodontology II (2)
- DNHY 430 Oral and General Pathology (3)
- DNHY 450 Clinical Dental Hygiene IV (3)
- DNHY 451 Clinical Dental Hygiene V (5)
- DNHY 452 Clinical Dental Hygiene VI (5)
- DNHY 453 Clinical Dental Hygiene VII (5)
- DNHY 460 Community Dental Health I (2)
- DNHY 461 Community Dental Health II (2)
- DNHY 470 Research Methods (3)
- DNHY 480 Restorative Clinic I (3)

DNHY 481 Restorative Clinic II (2)
 DNHY 482 Restorative Clinic III (2)
 DNHY 490 Dental Hygiene Capstone (4)
 BIOL 232 Human Anatomy and Physiology for Non-Biology Majors (5)
 BIOL 233 Human Anatomy and Physiology for Non-Biology Majors (5)
 BIOL 234 Human Anatomy and Physiology for Non-Biology Majors (5)
 BIOL 335 Elementary Medical Microbiology (5)
 CHEM 161 General Chemistry for the Health Sciences (5)
 CHEM 162 Organic Chemistry for the Health Sciences (5)
 CHEM 163 Biochemistry for the Health Sciences (5)
 FNNT 356 Nutrition (5)
 or HLED 372 Applied Nutrition and Physical Fitness (3)
 PSYC 100 General Psychology (5)

Select one course from the following:

CMST 200 Introduction to Speech Communication (4)
 CMST 210 Interpersonal Communication (5)
 CMST 250 Small Group Communication (5)
 CMST 312 Nonverbal Communication (1-5)
 CMST 340 Intercultural Communication (5)

Recommended Electives: See your dental hygiene advisor for an appropriate list of courses.

Minimum credits for above major**149 credits**

Note: The above option will require more than 12 terms (or 4 years) to complete at an average of 15 credits per term.

Dental Hygiene Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

DNHY 300**Head and Neck Anatomy (3)**

SPRING

Prerequisite: Admittance into Dental Hygiene program or waiver by instructor.

A detailed study of head and neck anatomy, including bones, musculature, blood, lymphatic and nerve supply.

DNHY 301**Dental Anatomy (3)**

FALL

Prerequisite: Admittance into Dental Hygiene program or waiver by instructor.

A detailed anatomical study of human teeth, their eruption, exfoliation and occlusion.

DNHY 302**Histology/Embryology (3)**

FALL

Prerequisite: Admittance into Dental Hygiene program or waiver by instructor.

A detailed study of oral histology and embryology. Development of the face and oral cavity; microscopic anatomy of the oral cavity.

DNHY 310, 311**Radiography (3, 2)**

FALL(310)/WINTER(311)

Prerequisite: Admittance into Dental Hygiene program or waiver by instructor.

Clinical and physical principles of x-ray production, hazards and safety procedures, with an orientation to oral anatomy and completion of acceptable full-mouth surveys on dental clients. Techniques for advanced skulls and panoramic radiography emphasized in 311.

DNHY 320**Pharmacology for the Dental Hygienist (3)**

FALL

Prerequisite: Admittance into Dental Hygiene program or waiver by instructor.

Principles of pharmacological and therapeutic action of drugs used in dentistry.

DNHY 321**Pain Control (3)**

WINTER

Prerequisite: Admittance into Dental Hygiene program or waiver by instructor.

This course is designed to give the student an understanding of the history, theory and use of nitrous oxide sedation and dental local anesthetic agents.

DNHY 330, 331**Preclinical Dental Hygiene I, II (4 each)**

FALL(330)/WINTER(331)

Prerequisite: Admittance into Dental Hygiene program or waiver by instructor.

The first two of three courses focusing on the introduction to clinical dental hygiene treatment, emphasizing the importance and techniques of infection control procedures, the oral evaluation and physical evaluation of the client.

DNHY 332**Preclinical Dental Hygiene III (4)**

SPRING

Prerequisite: Admittance into Dental Hygiene program or waiver by instructor.

The third of three courses focusing on the introduction to clinical dental hygiene treatment, continuing emphasis on those topics covered in 330 and 331 and introducing the removal of deposits from the dentition.

DNHY 341**Pathophysiology I (3)**

FALL

Prerequisite: Admittance into Dental Hygiene program or waiver by instructor.

Medical conditions and their implications for dentistry focusing primarily on allergic reactions, cardiovascular system and recognition of child abuse and neglect.

DNHY 342**Pathophysiology II (3)**

WINTER

Prerequisite: Admittance into Dental Hygiene program or waiver by instructor.

Medical conditions and their implications for dentistry focusing on pulmonary, renal, muscular-skeletal, nervous, endocrine, hemopoietic and digestive systems.

DNHY 350, 351, 352**Clinical Dental Hygiene I, II, III (4 each)**

FALL(350)/WINTER(351)/SPRING(352)

Prerequisite: Admittance into Dental Hygiene program or waiver by instructor.

Supervised experience in clinical procedures of dental hygiene, increasing in scope of opportunity as skill is attained.

DNHY 360**Preventive Dentistry (2)**

SPRING

Prerequisite: Admittance into Dental Hygiene program or waiver by instructor.

Course emphasis is placed upon gaining a working knowledge of all aspects of preventive dentistry, including self care, fluorides, dental caries and soft deposits.

DNHY 380**Introduction to Restorative Duties I (3)**

WINTER

Prerequisite: Admittance into Dental Hygiene program or waiver by instructor.

Introducing dental materials with technique, laboratory and clinical experience in the restorative duties that can legally be assumed by the dental hygienist.

DNHY 381**Principles of Restorative Duties II (3)**

SPRING

Prerequisite: Admittance into Dental Hygiene program or waiver by instructor.

This course is a comprehensive lecture/lab course which provides the dental hygiene student an opportunity to acquire didactic and lab knowledge and the skills associated with dental materials and restorative expanded functions.

DNHY 421**Periodontology I (3)**

WINTER

Prerequisite: Admittance into the Dental Hygiene program or waiver by instructor.

A detailed study of the various periodontal diseases, with emphasis on histological and clinical recognition as well as treatment of the diseases.

DNHY 422**Periodontology II (2)**

FALL

Prerequisite: Admittance into the Dental Hygiene program or waiver by instructor.

Continued study of the recognition and treatment of periodontal diseases, especially as they relate to dental hygiene practice.

DNHY 423**Advanced Periodontology (3)**

WINTER

Prerequisite: Admittance into the Dental Hygiene program or waiver by instructor.

This elective course will provide a transition from "academic" periodontics to clinical periodontics in the private practice setting.

DNHY 430**Oral and General Pathology (3)**

SPRING

Prerequisite: Admittance into the Dental Hygiene program or waiver by instructor.

A histopathological study of oral lesions, pathogenic conditions of particular significance to dentistry and principles of general pathology.

DNHY 450**Clinical Dental Hygiene IV (3)**

SUMMER

Prerequisite: Admittance into the Dental Hygiene program or waiver by instructor.

The fourth of seven quarters of supervised experiences in clinical procedures of dental hygiene, increasing in scope of opportunity as skill is attained.

DNHY 451**Clinical Dental Hygiene V (5)**

FALL

Prerequisite: Admittance into the Dental Hygiene program or waiver by instructor.

The fifth of seven quarters of supervised experiences in clinical procedures of dental hygiene, increasing in scope of opportunity as skill is attained.

DNHY 452**Clinical Dental Hygiene VI (5)**

WINTER

Prerequisite: Admittance into the Dental Hygiene program or waiver by instructor.

The sixth of seven quarters of supervised experiences in clinical procedures of dental hygiene, increasing in scope of opportunity as skill is attained.

DNHY 453**Clinical Dental Hygiene VII (5)**

SPRING

Prerequisite: Admittance into the Dental Hygiene program or waiver by instructor.

The last of seven quarters of supervised experiences in clinical procedures of dental hygiene, increasing in scope of opportunity as skill is attained.

DNHY 460**Community Dental Health I (2)**

FALL

Prerequisite: Admittance into the Dental Hygiene program or waiver by instructor.

A survey of various community dental health programs, with field experience in dental health instruction in schools, nursing homes, community centers and hospitals. Emphasis is placed on research methodology.

DNHY 461**Community Dental Health II (2)**

WINTER

Prerequisite: Admittance into the Dental Hygiene program or waiver by instructor.

A survey of various community dental health programs, with field experience in dental health instruction in schools, nursing homes, community centers and hospitals.

DNHY 462**Advanced Community Dental Health (2)**

FALL

Prerequisite: Admittance into the Dental Hygiene program or waiver by instructor.

This elective course will provide application of community dental health in the public sector.

DNHY 467**Career Strategies (1)**

WINTER

Prerequisite: Admittance into the Dental Hygiene program. This course is designed to prepare the dental hygiene graduate for employment in a variety of employment settings. Students will prepare a resume and learn how to engage in an employment interview. Panel discussions with dental hygienists from a variety of employment settings will give the student practice interviewing and first hand knowledge of the skills involved in these positions.

DNHY 470**Research Methods (3)**

SPRING

Prerequisite: Admittance into the Dental Hygiene program or waiver by instructor.

Basic principles of research and the facilitation of the development of analytical skills for evaluation of professional research.

DNHY 475**Teaching Practicum I (1)**

FALL

Prerequisite: Admittance into the Dental Hygiene program. This course focuses on providing clinical teaching methodology, a learning styles inventory and teaching philosophy to a novice educator.

DNHY 476**Teaching Practicum II (1)**

WINTER

Prerequisites: Admittance into the Dental Hygiene program and completion of DNHY 475.

The students are assigned student teaching opportunities in either pre-clinic or restorative laboratory under the direction of the course instructor.

DNHY 477**Teaching Practicum III (1)**

SPRING

Prerequisites: Admittance into the Dental Hygiene program and completion of DNHY 475 and 476.

This is a continuation of DNHY 476 in which students are assigned student teaching opportunities in either pre-clinic or restorative laboratory under the direction of the course instructor.

DNHY 480**Restorative Clinic I (3)**

FALL

Prerequisite: Admittance into the Dental Hygiene program or waiver by instructor.

The first of three quarters of clinical practice in restorative duties. For selected dental clients, insertion of silver amalgam and tooth-colored restorations in teeth prepared by dentist supervisors.

DNHY 481, 482**Restorative Clinic II, III (2 each)**

WINTER(481)/SPRING(482)

Prerequisite: Admittance into the Dental Hygiene program or waiver by instructor.

The second and third of three quarters of clinical practice in restorative duties. For selected dental clients, insertion of silver amalgam and tooth-colored restorations in teeth prepared by dentist supervisors.

DNHY 483**Specialties of Restorative Treatment (2)**

SPRING

Prerequisite: Admittance into the Dental Hygiene program or waiver by instructor.

This elective course provides facilitation of knowledge of various restorative specialties and procedures designed to give the student information on advanced restorative procedures.

DNHY 485**Oral Health Care Research Design Practicum (5)**

FALL

Prerequisite: Enrolled in or graduate of an accredited dental hygiene program.

This course is first in a series of three courses providing the student with background and practicum experience in the assessment, planning, implementation and evaluation of a dental health program. The assessment and planning phases are emphasized in this course.

DNHY 486**Oral Health Care Project Implementation Practicum (5)**

WINTER

Prerequisite: DNHY 485 or permission of the instructor. This course is the second in a series and is directed toward implementation of a community dental health project in a practicum setting. The student will also learn to interpret and critically evaluate scientific reporting and continue to develop communication skills.

DNHY 487**Oral Health Care Project Evaluation and Report Writing Practicum (5)**

SPRING

Prerequisite: DNHY 486 or permission of the instructor. This course is the last in a series of three courses and is directed toward implementation, evaluation and report writing of a community dental health project in a practicum setting.

DNHY 490**Dental Hygiene Capstone (4)**

SPRING

[satisfies senior capstone university graduation requirement.]

Prerequisite: Admittance into the Dental Hygiene program or waiver by instructor.

An integrative, theme-based capstone course which focuses on the ethical and legal issues facing the dental hygienist of the future.

DNHY 491**Field Practicum in Educational Theory and Application (5)**

FALL

Prerequisite: Enrolled in or graduate of an accredited dental hygiene program.

This course is the first in a series of three and provides learning experiences that integrate educational theory and application. Students will be assigned actual teaching opportunities under the direction of the course instructor and with the assistance of teacher educators or others acting as resource persons.

DNHY 492**Field Practicum in Clinical and Laboratory Instruction (5)**

WINTER

Prerequisite: DNHY 491 or permission of the instructor.

This course is the second in a series and provides learning experiences integrating educational theory and application with a special emphasis on clinical and laboratory instruction.

DNHY 493**Field Practicum in Teaching Methods and Assessment (4)**

SPRING

Prerequisite: DNHY 492 or permission of instructor.

This course provides learning experiences utilizing a variety of teaching and assessment methods. The course design and materials provide considerable flexibility for planning and conducting performance-based training programs for student teachers, group/client educators, or business and industry trainers. Students will be assigned actual teaching opportunities under the direction of the course instructor and with the assistance of teacher educators or others acting as resource persons.

EARTH SCIENCE

College of Science, Health and Engineering
Linda B. McCollum, Program Advisor
Department of Geology
130 Hall of Sciences
(509) 359-2286
geol@mail.ewu.edu
website: www.ewu.edu/geology

BAE
Minor
General Science Endorsement
Faculty: Varies

UNDERGRADUATE PROGRAMS

The BAE in Earth Science is for prospective secondary school science teachers. The Earth Science major and minor are interdisciplinary, with required courses from geography, geology, physics, chemistry and biology.

General Admissions Requirements for Earth Science:

High school students who plan to enter this program are encouraged to take three or four years of both science and mathematics in high school. University students should generally complete their GEGR requirements, particularly in the Natural Sciences, prior to entering the program. Students are encouraged to contact the Earth Science advisor to aid them in selecting these GEGR courses.

General Degree Completion Requirements for Earth Science:

Grade requirement for BAE:
2.5 cumulative average
2.0 in each course

Generally Earth Science is taught in the junior high school or middle school. Also, it is occasionally taught as a high school elective or in the upper elementary grades.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts in Education (BAE)

Earth Science/Secondary Major (64-65 credits)

Required Courses

CHEM 151 General Chemistry (5)
GEOG 305 Introduction to Oceanography (5)
GEOG 410 Geomorphology (5)
GEOG 314 Weather and Climate (5)
GEOL 120 Physical Geology - The Solid Earth (5)
GEOL 121 Physical Geology - Surficial Processes (5)
GEOL 122 Historical Geology (5)
GEOL 220 Environmental Geology (4)
or GEOL 360 Geologic Hazards (4)
GEOL 307 Rocks and Minerals (5)
GEOL/GEOG 390 Earth Science Teaching Methods (1)
MATH 106 Precalculus II (5)
PHYS 121 Descriptive Astronomy (5)
PHYS 131 Introductory Physics I (4)
PHYS 161 Mechanics Laboratory (1)
SCED 390 Secondary Science Teaching Methods (1)

Electives

Students must take 4-5 credits of field-oriented course work. Select from the list below, or from special field courses in Geography or Geology approved by the Earth Science advisor.

GEOG 201 Introduction to Field Research (5)
GEOG/BIOG 312 Fundamentals of Soil Science (4)
GEOG 315 Surface Hydrology (4)

GEOG 325 Wetland Science I (4)
GEOL 455 Colorado Plateau Geology (2)
GEOL 496 Geology field trip (3-5)

Required credits

Elective credits

Minimum total credits for above major

Professional Education Requirements/
Secondary Education: 46-47 credits

See the Department of Education section of this catalog. Prerequisites may also apply.

Minimum total credits for above major and professional education

60 credits

4-5 credits

64 credits

110 credits

Note: The above is an interdisciplinary major. See an advisor to determine if courses required by this major may be taken in partial fulfillment of the GEGRs. A minor is not required, but highly recommended.

Note: The above major takes more than 12 quarters at 15-16 credits a quarter.

Minor

Earth Science/Secondary Minor (32 credits)

This minor satisfies the endorsement for grades 5-12.

Required Courses

GEOL 120 Physical Geology - The Solid Earth (5)
GEOL 121 Physical Geology - Surficial Processes (5)
GEOL 122 Historical Geology (5)
GEOL/GEOG 390 Earth Science Teaching Methods (1)
GEOG 305 Introduction to Oceanography (5)
GEOG 314 Weather and Climate (5)
PHYS 121 Descriptive Astronomy (5)
SCED 390 Secondary Science Teaching Methods (1)

Total credits for above minor

32 credits

Course Requirements for Teacher Certification/Add-on Endorsements (For students who currently possess a Washington State Teaching Certificate)

General Science/Add-on Endorsement (65 credits)

To improve the marketability of the science teacher, students may wish to complete this option in addition to their BAE in Biology, Chemistry, Earth Science or Physics. This add-on satisfies the endorsement and allows teachers to teach any science for grades 5-12.

Required Courses

BIOG 171 Biology I (4)
BIOG 172 Biology II (4)
BIOG 173 Biology III (4)
BIOG 270 Biological Investigation (3)
BIOG 390 Biology Teaching Methods (1)
CHEM 151 General Chemistry (5)
CHEM 152 General Chemistry (5)
CHEM 153 General Chemistry (5)
CHEM 390 Chemistry Methods for the Secondary School (1)
GEOG 314 Weather and Climate (5)
GEOL 120 Physical Geology - The Solid Earth (5)
GEOL 121 Physical Geology - Surficial Processes (5)
GEOL/GEOG 390 Earth Science Teaching Methods (1)
PHYS 121 Descriptive Astronomy (5)
PHYS 131 Introductory Physics I (4)
PHYS 132 Introductory Physics II (4)
PHYS 161 Mechanics Lab (1)
PHYS 162 Heat and Optics Lab (1)
PHYS 390 Physics Teaching Methods (1)
SCED 390 Secondary Science Teaching Methods (1)

Total credits for above add-on endorsement

65 credits

Courses

See Course Descriptions listed under the participating programs and departments: Biology, Chemistry and Biochemistry, Geography, Geology, Mathematics and Physics.

ECONOMICS

College of Social and Behavioral Sciences

Tom Trulove, Chair

300 Patterson Hall

(509) 359-2281 General Office

(509) 359-4748 Department Secretary

BA

Minors

Faculty: L. Bounds, G. Briand, D. Bunting, G. Forsyth, C. Gallimore, L. Geddes, T. Karier, L. Kiser, C. Molitor, D. Orr, L. Peterson, W.T. Trulove

UNDERGRADUATE PROGRAMS

Economics is the study of choice and how choices made by individuals and society affect our standard of living. Its subject matter is society, how people choose to lead their lives and how they interact. Economics brings methods of science to the fundamental questions and problems faced by society. By doing so, economics helps us understand and explain a variety of topics such as employment, inflation, business cycles, economic growth, markets, production, distribution, wages, profits, interest rates, money, taxes, competition, monopoly, international trade, economic history, public policy and many others. Courses range from the very practical and applied to the more abstract and theoretical.

A major in economics prepares students for careers in a wide variety of private and public sector occupations as well as for graduate study in economics, law, public policy and business. Past graduates have worked as stockbrokers, bankers, union officials, market analysts, managers, researchers and salespersons. Export/import firms, public utilities, consulting firms, railroads, airlines, banks and a variety of local, state and federal government agencies, have employed them. Others have successfully completed graduate studies in economics at schools such as Yale, Purdue, UCLA, Rice, Oregon, WSU and Washington or received law and MBA degrees at numerous other universities.

The Economics Major provides students with a strong foundation in economics and the opportunity to select from a broad range of upper-division courses. It allows the flexibility to craft a program related to individual student interests and goals. For example, students preparing for graduate school in economics or interested in a career in technical economic analysis would be advised to take a program similar to the Economics Major with Mathematics Option. Those considering careers in the private sector are advised to add a strong business minor.

Business majors seeking a strong economics background or a dual major in Economics should take the Economics Major, if they want a BA in Economics, or the Economics Major offered through Business Administration, if they want a BAB with emphasis in Economics.

All prospective economics majors or business students thinking of a second major are urged to consult with an Economics Department advisor to tailor a program best suited to their goals.

There is a 20 credit minor available to those students who want to demonstrate expertise in economics to complement their major.

General Admissions Requirements for Economics: Upper-division courses in economics assume students have satisfied the University requirement for competency in basic mathematics and English. All programs in the major require some university level mathematics, statistics and computer use. Students are strongly urged to consult with a department advisor early in their academic careers to plan an interesting and efficient program in economics.

Required courses in the following program of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Economics Major (minimum 67-68 credits)

Economics Required Core

ECON 200 Introduction to Microeconomics (5)
 ECON 201 Introduction to Macroeconomics (5)
 ECON 404 Intermediate Microeconomic Theory (5)
 ECON 405 Intermediate Macroeconomic Theory (5)
 ECON 437 Econometrics (5)
 ECON 490 Capstone (5)
 ACCT 251 Principles of Financial Accounting (4)
 DSCI 245 Data Analysis for Business (4)
 or MATH 380 Elementary Probability and Statistics (5)
 FINC 335 Financial Management (4)

Electives

Select upper-division economics courses.

Required program credits

42-43 credits

Elective credits

25 credits

Minimum total credits for above major

67 credits

Note: ECON 200 and ECON 201 may be waived by completing ECON 437 and MATH 161 Calculus I (5), each with 3.0 or better.

Economics Major with Mathematics Option (73-74 credits)

Required Courses

ECON 200 Introduction to Microeconomics (5)
 ECON 201 Introduction to Macroeconomics (5)
 ECON 404 Intermediate Microeconomic Theory (5)
 ECON 405 Intermediate Macroeconomic Theory (5)
 ECON 430 Mathematical Economics (5)
 ECON 437 Econometrics (5)
 ECON 490 Capstone (5)
 MATH 161 Calculus I (5)
 MATH 162 Calculus II (5)
 MATH 163 Calculus III (5)
 MATH 386 Applied Statistics (4)

Economics Electives

From upper-division economics

Mathematics Electives

MATH 231 Linear Algebra (5)
 MATH 347 Introductory Differential Equations (4)
 MATH 385 Probability and An Introduction to Statistics (4)

Required program credits

54 credits

Economics elective credits

15 credits

Mathematics elective credits

4-5 credits

Minimum total credits for above major

73 credits

Minor

Economics Minor (20 credits)

Required Courses

ECON 200 Introduction to Microeconomics (5)
 ECON 201 Introduction to Macroeconomics (5)

Electives

Select upper-division courses in Economics.

Required program credits

10 credits

Elective credits

10 credits

Total credits for above minor

20 credits

General Education Economics Minor (20 credits)

Required Courses

ECON 100 General Education Economics (5)

Electives

Select three courses from the following list:

ECON 412 Economic History of the United States (5)
 ECON 415 History of Economic Thought (5)
 ECON 417 Political Economy (5)
 ECON 420 Labor History (5)
 ECON 424 Economics of Poverty and Discrimination (5)
 ECON 427 The Economics of Women and Work (5)

Required program credits

5 credits

Elective credits

15 credits

Total credits for above minor

20 credits

GRADUATE PROGRAM

The Department of Economics does not offer a graduate degree program but does support the College of Business Administration by offering upper-division and graduate courses in economics. Students considering selecting economics courses for elective graduate credit should consult with their advisor.

Economics Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

ECON 100

General Education Economics (5)

FALL/WINTER/SPRING/SUMMER

[satisfies the GEGR for social sciences, list 1, economics and government.]

General consideration of economic reasoning and methodology through examination of fundamental concepts in micro- and macroeconomics and through extension and applications of economic theory.

ECON 200

Introduction to Microeconomics (5)

FALL/WINTER/SPRING/SUMMER

[completion of the sequence ECON 200 and 201 satisfies the GEGR for social sciences, list 1, economics and government; counts as one course.]

Prerequisite: MATH 104 completed.

Examines the general functioning of a price system using fundamentals of supply and demand. Explores the variety of market forms, theory of factor incomes and the effects of government intervention to promote efficiency and equity.

ECON 201

Introduction to Macroeconomics (5)

FALL/WINTER/SPRING/SUMMER

[completion of the sequence ECON 200 and 201 satisfies the GEGR for social sciences, list 1, economics and government; counts as one course.]

Prerequisite: MATH 104 completed.

Reviews national income accounts and the determinants of national income and employment for an economy. Explores the impact of monetary and fiscal policy on aggregate performance and considers specific problems such as full employment, inflation, economic growth and international economic relations.

ECON 300

Microeconomics (5)

FALL/WINTER/SPRING

Prerequisite: MATH 104 completed.

Accelerated introduction to microeconomics for students in professional programs; substitutes for ECON 200.

ECON 301

Macroeconomics (5)

FALL/WINTER/SPRING

Prerequisite: MATH 104 completed.

Accelerated introduction to macroeconomics for students in professional programs; substitutes for ECON 201.

ECON 399

Special Studies (3-5)

FALL/WINTER/SPRING/SUMMER

Prerequisites: ECON 200 and 201 or instructor permission. Subjects studied vary according to faculty and student interest.

ECON 404

Intermediate Microeconomic Theory (5)

FALL/WINTER/SPRING

Prerequisites: ECON 200 and 201 or instructor permission.

Theoretical basis of exchange, production, private markets and their forms, income distribution, the public sector, resource allocation, welfare economics and application of economic theory to public and private decision making.

ECON 405

Intermediate Macroeconomic Theory (5)

FALL/SPRING

Prerequisites: ECON 200 and 201 or instructor permission.

With references to recent experiences, a theoretical framework is developed to explain the determination of output, employment, price level, interest rate and economic growth of an aggregate economy. Using case studies, policy implications and alternatives are explored.

ECON 412

Economic History of the United States (5)

SPRING

Prerequisite: Junior standing.

Economic development of the United States from the early colonial period to the present; explorations, westward movement, labor, rise of great industries, world trade and post-war economic problems. (Cross-listed HIST 487)

ECON 415

History of Economic Thought (5)

WINTER

Prerequisite: Junior standing.

Economic thought to the early 20th century; special attention to selected writers including Aristotle, the Mercantilists, the Physiocrats, Hume, Smith, Malthus, Ricardo, Marx, the Marginalists and Marshall.

ECON 417

Political Economy (5)

Prerequisite: Junior standing.

How public decisions can be made more rational, more productive of welfare, or more in the general interest. Selected literature from economics, political science and related disciplines provides an analytical framework for the discussion of a number of social problems.

ECON 420

Labor History (5)

Prerequisite: Junior standing.

A chronological examination of labor movements in the United States. Focuses on trade union activity and the impact unions have had on their members and society. Draws occasional examples from European and Latin American labor history for purpose of comparison, and examines various labor history theories. (Cross-listed HIST 489)

ECON 421

Labor Economics (5)

FALL

Prerequisite: ECON 200 or instructor permission.

Supply and demand for labor and important institutions in the labor market, especially the upgrading of labor via education and vocational training, the mobility of labor, the influence of trade unions on wages, the effects of race and sex discrimination on wages and labor's inflation unemployment problems.

ECON 424

Economics of Poverty and Discrimination (5)

SPRING

[satisfies cultural and gender diversity university graduation requirement.]

Prerequisite: Junior standing.

Causes of poverty and evaluation of anti-poverty programs. Examines economic theories of discrimination from different perspectives with a particular focus on issues of gender and race. (Cross-listed AAST 424, WMST 426)

ECON 427

The Economics of Women and Work (5)

[satisfies cultural and gender diversity university graduation requirement.]

Prerequisite: Junior standing.

Economic impact of the increasing participation of women in the paid labor force of the United States. Economic theories of labor force participation, discrimination and occupational segregation. Current issues such as comparable worth, affirmative action, nontraditional careers, corporate policies, sexual harassment, child care and social welfare programs. (Cross-listed WMST 427)

ECON 429

Women and Men in the US Economy (1)

In the course we examine the economic activity and labor force participation of women and men in the United States. Employment issues, such as labor market discrimination, affirmative action, and comparable worth will be discussed. Other topics include income distribution, poverty, welfare programs and the tax system. (Cross-listed WMST 402)

ECON 430

Mathematical Economics (5)

Prerequisites: ECON 200 or instructor permission.

Mathematical methods and techniques applied to economic problems.

ECON 435

Managerial Economics (5)

Prerequisites: ECON 200 and DSCI 245 or instructor permission.

Economic principles applied to various areas of business administration, with emphasis on management decision-making by formulating problems in a quantitative manner capable of numerical solution.

ECON 437**Econometrics (5)**

WINTER

Prerequisites: ECON 200 and 201, and DSCI 245 or MATH 380 or MATH 385 or instructor permission. Using appropriate statistical software packages for data analysis, examines applications of linear regression and hypothesis testing to provide information for economic and business decision-making.

ECON 444**Money and Banking (5)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: ECON 200 and 201 or instructor permission. Reviews contemporary US banking practices and regulations; surveys theories of interest rates and bank behavior; surveys monetary policies and determinants and effects of Federal Reserve policies.

ECON 445**Insurance and Risk (5)**

WINTER

Prerequisite: ECON 200 or instructor permission. This course examines the principles of insurance and ways of managing risk. It includes discussion of the development and forms of private and social insurance programs. (Cross-listed FINC 432)

ECON 450**Public Finance and Public Policy (5)**

FALL

Prerequisite: ECON 200 or instructor permission. Examines the causes and consequences of government in the US economy and impact of government expenditure and revenue-raising activities.

ECON 452**Health Economics (5)**

FALL

Prerequisite: ECON 200 or instructor permission. Examines economic aspects of health care, including factors influencing the demand and supply of health services and the roles of insurance and government in health care markets.

ECON 457**Natural Resource Economics (5)**

SPRING

Prerequisite: ECON 200 or instructor permission. Uses microeconomic reasoning and models to examine the allocation and management of non-renewable and renewable resources such as land, water, fossil fuels and mineral resources, fisheries and forests.

ECON 458**Regional Economics (5)**

Prerequisite: ECON 200 or instructor permission.

Economic analysis of sub-national regional economies. Topics covered: spatial economic theory; regional economic growth and stability, land use, urban problems and policies, transportation issues, local government public finance and methods of regional analysis. Emphasis on the Pacific Northwest.

ECON 470**International Economics (5)**

WINTER

[satisfies international studies university graduation requirement.]

Prerequisite: ECON 200 and 201 or instructor permission. Interaction of national economics and the problems arising therefrom, particularly trade and payments problems and the development of regional and international economic institutions.

ECON 474**International Finance (5)**

Prerequisites: ECON 200 and 201, FINC 335 or instructor permission.

The material in this course develops a general framework to analyze international financial markets, exchange rates, exchange rate derivatives and open macroeconomic economies. (Cross-listed FINC 474, IBUS 474)

ECON 475**Economic Development (5)**

SPRING

[satisfies international studies university graduation requirement.]

Prerequisite: ECON 200 and 201 or instructor permission. Development prospects of present-day underdeveloped countries. Historical development of industrial countries by analogy. Attention given to both economic and non-economic factors in the development process and to population problems and human resource development.

ECON 490**Senior Capstone: The Job Market (5)**

[satisfies senior capstone university graduation requirement.]

WINTER

Prerequisites: 10 credits 400 level ECON courses or instructor permission. Course has four components: (1) reviews modern theories of employment, job search and wage determination (2) empirical review of the regional job market (3) portfolio preparation (4) program assessment.

ECON 495**Internship (3-5)**

FALL/WINTER/SPRING/SUMMER

ECON 497**Workshops, Short Courses, Conferences (1-5)**

FALL/WINTER/SPRING/SUMMER

ECON 498**Seminar (3-5)**

FALL/WINTER/SPRING/SUMMER

ECON 499**Directed Study (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the instructor and department chair and ECON 200 and 201 and at least 5 credits of prior 400 level ECON courses.

Independent study projects in selected fields of economics. Limited to senior and graduate students.

ECON 500**Economic Analysis (4)**

SPRING

Prerequisites: Seniors with 3.2 GPA and above, or MBA foundation students; but not open to those who have completed ECON 200 and ECON 201.

An accelerated course in micro- and macroeconomic principles, including the topics of: functioning of a price system, supply and demand, forms of markets, theory of factor income, market interventions by government, macroeconomic measurements, determinants of national income and output, effects of monetary and fiscal policy, and long-term growth.

ECON 515**Economics for Managers (4)**

Prerequisites: ECON 300, 301, and BADM 503 or MATH 380.

A study of economic theory and its specific applications to the manager's decision making; major emphasis on microeconomic topics.

ECON 598**Graduate Seminar (1-4)**

Prerequisites: Permission of the instructor and the department chairman.

Variable topics according to student interests.

ECON 599**Independent Study (1-4)**

Prerequisite: Permission of the instructor.

ECON 696**College Teaching Internship (1-4)**

Teaching a lower-division college course under supervision of a regular faculty member. Includes course planning, arranging bibliographical and other instructional aids, conferences with students, experience in classroom instruction and student course evaluation.

EDUCATION

College of Education and Human Development

Joan Dickerson, Interim Co-Chair

(509) 359-2232

Les Portner, Interim Co-Chair

(509) 359-7018

302 Williamson Hall

BAE

Minors

Early Childhood Endorsement, Elementary Endorsement

MEd

Residency and Professional Teaching Certificates

Faculty: H. Alty, B. Brucker, M. Carpenter, E. Clewett, R. Hauge, J. Liu, P. Luse, R. Phillips, C. Schulhauser, F. Sherwood, N. Todd, J. Ublenkott, R. Whitman

UNDERGRADUATE PROGRAMS

Teaching is among the most challenging and personally rewarding of professions. The essential role of the professional educator is to bring together his/her knowledge of subject matter, instructional strategies and interpersonal skills to provide learning experiences for students. In addition, the contemporary teacher must be able to individualize instruction and must be sensitive to developmental and socio-cultural issues involving the learner.

The EWU Department of Education offers a comprehensive Teacher Certification program, culminating with a baccalaureate degree and a Residency Teaching Certificate, to students who wish to teach in either elementary or secondary school settings.

To obtain a Bachelor of Arts in Education degree, a student must satisfy the General Education Requirements (GERs), Professional Education Program requirements, and major/minor fields of study requirements of Eastern Washington University. Upon satisfying requirements for the baccalaureate degree, the student may be eligible to receive a Residency Teaching Certificate from the state of Washington, providing he/she meets academic certification and personal fitness standards.

Undergraduate Program goals of the Department of Education are:

- To prepare teachers who can provide leadership and cope with the complex problems of rural and urban society. In compliance with the National Council for Accreditation of Teacher Education (NCATE) standards, the Department of Education for the University provides a professional program which prepares students for teaching at the elementary and secondary level.
- To promote research designed to investigate best practices for the instruction of and learning by P/K–12 students.
- To ensure continuous involvement in programs designed to reform and improve the quality of instructional techniques and theory.
- To provide for university students solid, contemporary and challenging instructional programs that are theoretically sound and experientially based.

Statement of Assurance: EWU's Department of Education assures that each candidate is able to apply the teaching strategies, the classroom management/school discipline methods, and the measurement and evaluation process necessary for success as a first-year certificated teacher.

This assurance guarantees that the candidate has successfully completed EWU's (Department of Education) Teacher Education Program, as approved by the Washington State Office of Public Instruction and NCATE. The assurance is contingent upon appropriate placement of the candidate within certification endorsement areas.

In the event the candidate displays a lack of competency in any of these pedagogical practices during the first year of teaching experience, EWU's Department of Education will cooperate with the school district to assist the

candidate in improving his/her performance. EWU services will be provided at no cost to the school district nor to the student.

This assistance will be offered by faculty members from the Department of Education and by appropriate faculty members from the Departments of Art, Biology, Business Education, Chemistry, Child Development, English, French, Health, History, Mathematics, Music, Physical Education, Social Studies and Special Education.

Certification Information for Education: The state of Washington issues two basic teaching certificates: The Residency Teaching Certificate and the Professional Teaching Certificate. Each certificate issued requires payment of a state fee plus an EWU processing fee. In addition, the student must give evidence of good character and fitness, including a Washington State Patrol and FBI clearance.

The Residency Teaching Certificate: This Certificate is awarded upon completion of a baccalaureate degree and the Professional Education Requirements. This teaching certificate allows the holder to teach in the state of Washington within the endorsement areas approved by the University. An endorsement is an authorization to teach a specific subject (or to perform a specific type of service) at particular grade level(s), and an indication of such will appear on the Residency and Professional Certificates. The Residency Teaching Certificate is valid until the teacher has provisional status as a teacher.

The Residency Renewal Certificate is valid five years from when the teacher first completes provisional status or two years of teaching in a state board of education approved school.

The State of Washington requires teacher education candidates admitted to teacher preparation programs beginning September 1, 2002 to pass the Washington Education Skills test - Basic (WEST-B) in order to receive a residency certificate. In addition, beginning September 1, 2005, candidates must pass a Praxis II WEST-E subject matter test to receive an endorsement for certification purposes.

The Professional Teaching Certificate: This second-level certificate is granted for those teachers who have completed provisional status with a school district, which is usually two years of successful, contracted teaching experience in-state, in one school district. An approved Professional Teaching Certificate program must also be completed. The Department of Education Certification Office will provide advisement for this certificate.

Admission Requirements/Preparation for Teacher Education Program:
1. Prerequisites to EDUC 200 for Elementary and Secondary Education Students (18–21 credits):

A minimum GPA of 2.0 in all prerequisite courses is required.

—Washington Educator Skills Test - Basic (WEST-B)

—Computer Literacy Requirement: CPLA 100, *Computer Literacy I* (1) and CPLA 101, *Computer Literacy II* (1), or a computer literacy test clearance

—Speech Requirement: CMST 200, *Introduction to Speech Communication* (4); or CMST 120, *Speech Communication Competency* (1); or an approved equivalent.

—English Requirement: ENGL 101 and 201, or equivalent

—Mathematics Requirement: MATH 115, *Mathematical Reasoning* (5) or an approved equivalent for secondary education students or MATH 211, *Structure of Elementary Mathematics I* (5) or an approved equivalent for elementary education students

—GPA Requirement: A minimum 2.5 GPA calculated on most recent 45 quarter credits

2. Admission to the Program - EDUC 200, Admission to Teacher Education Program (1)

The prerequisite criteria will be verified in this class:

—Certification Eligibility: A student will be asked to give evidence of good character and fitness including Washington State Patrol clearance and begin the fingerprint background check.

- Formal admittance to the Teacher Education program is contingent upon

passing EDUC 200. (This includes field placement and registration in specific education courses.)

—**GPA Requirement:** A minimum 2.5 GPA calculated on most recent 45 quarter credits

In this class students will request a K–12 public school placement and be assigned to a school where they will be expected to participate in a minimum of three hours a week throughout the rest of the education program.

3. The student planning to student-teach must have satisfied the application/admission steps and must have completed the following:

- Three-fourths of the total credit hours in his/her major and minor
- Method course(s) in major/minor must be completed
- Candidates must have a minimum GPA of 2.5 in each of the following: major, minor, and Professional Education Program
- No individual course below a grade of 2.0 in any of the following: major, minor or Professional Education Program
- Completion of Evidentiary Portfolio

Elementary: Must have completed Elementary Methods courses in major, CEDP 363, EDUC 201, 303; 304; 310; 338; 339; 418.

Secondary: Must have completed Secondary Methods courses in Major/Minor; CEDP 363, EDUC 201, 303; 341; 413; 419.

4. **Student Teaching** - The purpose of student teaching is to provide the teacher candidate with direct teaching/learning experience in K–12 public schools. The student has the opportunity during this time to observe teachers, to plan and teach under the supervision of master teachers and to participate in the total school program.

Application for student teaching is not a substitute for university course registration. The student first must apply to the Director of Undergraduate Programs and Field Experiences. Next, he/she must register for the student teaching course. The student teacher candidate who does not meet stated deadlines will be considered for assignment only if openings are available.

To qualify for a Residency Teaching Certificate, the teacher candidate is required to earn 15 credits as a student teacher. These credits are to be earned in one quarter or in an approved alternative program. Typically the candidate is assigned full time to a K–12 public school. The student teaching assignment is considered a full student load and no additional credits may be earned during the quarter except by written consent of the Director of Undergraduate Programs and Field Experiences. Student teaching may be done in selected public school districts throughout the state of Washington. The student will be notified of his/her student teaching assignment by letter from Field Experiences.

To qualify for student teaching, the candidate must:

- Have passed EDUC 420; maintain the required 2.5 GPA in each of the following: major, minor and Professional Education Program
- Have received no individual course grade below a 2.0 in any of the following: major, minor, or Professional Education Program
- Have current Washington State Patrol and FBI clearance

5. **Exit Evaluation** - An exit evaluation will be done by the Certification Officer to verify that all state certification requirements have been met, including the Bachelor of Arts in Education degree.

Effective 9/1/05 all candidates for certification must pass a Praxis II (WEST-E) subject matter test to receive an endorsement for certification purposes.

General Degree Completion Requirements for Education:

Grade Requirement:

2.0 in each course (major, minor, and professional education core)

2.5 cumulative average (major, minor, and professional education core)

Elementary

Elementary teaching candidates must declare a major and a minor. Contact the academic major and minor department for advisement and signature of agreement for completion of requirements.

Majors: *Art, Child Development, *Early Childhood Special Education, *English, *French, *Health/Fitness, Mathematics, *Music, Natural Science, *Reading, Social Studies, *Spanish, *Special Education, and *Special Education and Elementary Education.

*These majors meet an endorsement.

Minors: **Art, Chicano Education, Early Childhood, Early Childhood Special Education, English, **English as a Second Language, **French, **German, Gifted and Talented, **Library Media, Mathematics, **Music: Choral, Instrumental, or Broad Area, Psychology, Reading, **Spanish, Special Education, and Theatre.

**These minors meet an endorsement

Secondary

Secondary teaching candidates must declare a major and a minor with the exception of majors that require 60 credits or more unless otherwise noted. Contact the academic major and minor departments for advisement and signature of agreement for completion of requirements. Since small schools prefer teachers who can instruct in more than one area, candidates are encouraged to consider additional minors.

Majors (Endorsements): *Art, *Biology, *Business Education, *Chemistry, *Earth Science, *English, French, *Health/Fitness, *Mathematics, *Music, *Physics, Reading, *Social Studies, Spanish, and *Special Education.

*These majors do not require a minor.

Minors (Endorsements): Art, Biology, Chemistry, Earth Science, English as a Second Language, French, German, History, Library Media, Mathematics, Music: Choral, Instrumental, or Broad Area, Physics, Reading, Spanish, and Theatre.

Please Note: It is important to work with an advisor early in your program to help you plan your schedule. A number of the following requirements may also be counted as General Education Requirements (GERs).

Prerequisites to EDUC 200 for Elementary and Secondary Education Students (19–21 credits)

A minimum GPA of 2.0 in all prerequisite courses is required.

—**Washington Educator Skills Test - Basic (WEST-B)**

—**Computer Literacy Requirement:**

CPLA 100 Computer Literacy I (1) and CPLA 101 Computer Literacy II (1), or a computer literacy test clearance

—**GPA Requirement:** A minimum 2.5 GPA calculated on most recent 45 quarter credits

—**Speech Requirement:**

CMST 200 Introduction to Speech Communication (4); or an approved equivalent.

—**English Requirement:**

ENGL 101 and 201, or equivalent

—**Mathematics Requirement:**

MATH 115 Mathematical Reasoning (5) or an approved equivalent for secondary education students or

MATH 211 Structure of Elementary Mathematics I (5) or an approved equivalent for elementary education students

—**After the above prerequisite courses have been met, students will be allowed to take:**

EDUC 200 Admission to the Teacher Education Program (1)

After completion of EDUC 200, the student then has the choice of two education programs in which to concentrate: Elementary or Secondary.

Allow for classroom experience in the field (3 hours per week).

Elementary Education Required Courses (102–103 credits)

—**Science Requirement:** These courses can also be used as a General Education Core Requirements (GECRs)

BIOL 115 Investigating Biology (5) or BIOL 100 Introduction to Biology (5)

or an approved life science class with a lab

GEOG/GEOL 115 Investigating Earth Science (5)

or an approved earth science class with a lab

PHYS 115 Investigating Physical Science (5)

or an approved physical science class with a lab

—**Social Science Requirements:** These courses can also be used as a General Education Requirements (GERs)

GEOG 101 Fundamentals of Human Geography (5)

or GEOG 230 World Regional Geography (5)

HIST 104 East Asia: Tradition and Transformation (5)

or HIST 106 Western Heritage: 18th Century to the Present (5)

HIST 110 The American Experience: A Survey (5)

EDUC 201 Introduction to Education (3)

EDUC 303 Evaluation in Education (5)

EDUC 304 Introduction to Elementary Reading (3)

EDUC 310 Reading Methods in the Elementary School (3)

- *EDUC 338 Introduction to Language Arts in the Elementary School (3)
- *EDUC 339 Social Studies and Science in the Elementary School (4)
- EDUC 418 Classroom Management - Elementary (3)
- EDUC 420 Introduction to Student Teaching (1)
- EDUC 423 Elementary Student Teaching K-8 (15)
- ART 390 Art in the Elementary School (3)
- CEDP 302 Educational Psychology (5)
- CEDP 363 Introduction to Special Education (4)
- MATH 212 Structure of Elementary Mathematics II (5)
- MATH 390 Methods of Teaching Elementary School Mathematics (5)
- MUSC 390 Music Methods for Elementary Classroom Teachers (3)
- PHED 390 Health and Physical Education in the Elementary Schools (3)
- 30-hour multicultural education field requirement

One course from the following: 4-5 credits

- AAST/HUMN 214 Introduction to African American Culture (5)
- CHST 101/ANTH 161 Introduction to Chicano Culture (5)
- CMST 340 Intercultural Communication (5)
- EDUC 325 Inequalities and Impacts on Educational Equity (4)
- HIST 313 Asian American History (5)
- IDST 101 Introduction to Indian Studies (4)
- SOCI 320 Race and Ethnic Relations: Global Perspectives (5)
- SOCI 321 Sex and Gender (5)

***Must be taken concurrently**

Science requirement credits	15 credits
Social science requirement credits	15 credits
Required program credits	68 credits
Cultural/Diversity requirement credits	4-5 credits
Minimum total credits for above elementary education	102 credits

Secondary Education Required Courses (46-47 credits)

- EDUC 201 Introduction to Education (3)
- EDUC 303 Evaluation in Education (5)
- EDUC 341 Secondary Strategies (3)
- EDUC 413 Content Area Reading (3)
- EDUC 419 Classroom Management - Secondary (3)
- EDUC 420 Introduction to Student Teaching (1)
- EDUC 426 Secondary Student Teaching 7-12 (15)
- CEDP 302 Educational Psychology (5)
- CEDP 363 Introduction to Special Education (4)
- 30-hour multicultural education field requirement

One course from the following: 4-5 credits

- AAST/HUMN 214 Introduction to African American Culture (5)
- CHST 101/ANTH 161 Introduction to Chicano Culture (5)
- CMST 340 Intercultural Communication (5)
- EDUC 325 Inequalities and Impacts on Educational Equity (4)
- HIST 313 Asian American History (5)
- IDST 101 Introduction to Indian Studies (4)
- SOCI 320 Race and Ethnic Relations: Global Perspectives (5)
- SOCI 321 Sex and Gender (5)

Required program credits	41 credits
Cultural/Diversity requirement credits	4-5 credits
Minimum total credits for above secondary education	46 credits

Disclaimer - The final authority for approval of certification endorsements resides within the State Board of Education and in the event the State Board changes certification requirements, the student must adhere to the new requirements.

Those admitted to the Teacher Education Program under a previous catalog who are not able to complete their program before 9/1/05, will be held to the current state requirements as listed in this catalog.

Required courses in the following programs of study may have prerequisites. Reference the course description section for classification.

Bachelor of Arts in Education (BAE)

Reading/Elementary or Secondary Major (44 credits)

This major satisfies the endorsement for Preschool to grade 12.

Required Courses

- EDUC 304 Introduction to Elementary Reading (3)
- EDUC 305 Storytelling in Children's Literature (5)
- EDUC 310 Reading Methods in the Elementary School (3)
- EDUC 401 Reading Instruction and Literature for Young Adults (5)
- EDUC 410 Student-Centered Reading Programs (4)
- EDUC 411 Reading for Language-Diverse Students (3)
- EDUC 413 Content Area Reading (3)
- EDUC 415 Introduction to Reading Assessment and Remediation (4)
- *EDUC 494 Practicum Seminar for Reading Majors (2)
- *EDUC 495 Practicum For Reading Majors (5)

Electives: Select at least seven credits from the following list

- EDUC 462 Instructional Media and Technology (3)
- EDUC 463 Production of Instructional Materials (5)
- EDUC 479 Early Literacy (3)
- EDUC 490 Department Senior Capstone: Politics of Literacy or Elementary Science (4)
- EDUC 497 Approved Reading Workshops, Short Courses or Conferences (Var)
- COMD 301 Introduction to Communication Disorders (4)
- COMD 331 Language Development (4)
- ENGL 360 Language Structure and Use (5)
- ENGL 391 The Teaching of English in the Elementary School (5)
- ESLG 480 Second Language Acquisition and Teaching (4)
- ESLG 483 Reading Instruction in A Second Language (3)
- THTR 326 Creative Dramatics (3)

Required credits	37 credits
Elective credits	7 credits
Total credits for above major	44 credits

***Must be taken concurrently.**

Professional Education Requirements/Additional requirements for Elementary Education: 99-100 credits

or

Additional Secondary Education: 43-44 credits

See the Department of Education section of this catalog. Prerequisites may also apply.

Minimum total credits for above major and elementary professional education	143 credits
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Note: The above major will require more than 12 terms (or 4 years) to complete at an average of 15 credits per term.

Note: The above major requires the completion of a minor.

Minimum total credits for above major and secondary professional education	87 credits
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Note: The above major requires the completion of a minor.

Minors

Early Childhood Education/Elementary Minor (17 credits)

This minor does not meet a state of Washington endorsement.

Required Courses

- EDUC 455 Perspectives of Early Childhood Education (3)
- EDUC 456 Integrated Early Childhood Practices (5)
- EDUC 457 Collaborative Reflective Teaching in ECE (3)
- EDUC 479 Early Literacy (3)
- EDUC 480 Educating Young Children with Diverse Backgrounds (3)

Total credits for above minor	17 credits
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Gifted/Talented Education/Elementary Minor (26 credits)

This minor does not meet a state of Washington endorsement.

Required Courses

- EDUC 362 Development of Higher-Level Thinking Strategies (3)
- EDUC 363 Inquiry Strategies (3)
- EDUC 370 Creativity in the Classroom (3)
- EDUC 409 Teaching the Gifted and Talented Child (3)
- EDUC 435 Field Experience in Gifted/Talented Education (3)
- CEDP 404 Psychology of the Gifted/Talented Child (3)
- CPLA 339 Presentation Software (4)
- CSED 311 Computers in the Classroom (4)

Total credits for above minor	26 credits
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Library Media/Elementary or Secondary Minor (31 credits)

This minor satisfies the endorsement for Preschool to grade 12.

Required Courses

- LBSC 305 Storytelling in Children's Literature (5)
- LBSC 401 Reading Instruction and Literature for Young Adults (5)
- LBSC 450 Selection of Library Media Center Materials (3)
- LBSC 460 Reference and Information Literacy (3)
- LBSC 480 Organization of Learning Resources (4)
- LBSC 490 Administration of the School Library Media Center (3)
- LBSC 495 Practicum in the Library/Media Center (3)
- EDUC 463 Production of Instructional Materials (5)

Total credits for above minor	31 credits
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Note: This minor is in addition to classroom teacher preparation. Washington State Patrol clearance required for all Library Media courses.

Reading/Elementary or Secondary Minor (27 credits)

This minor does not meet a State of Washington endorsement.

Required Courses

- EDUC 304 Introduction to Elementary Reading (3)
- EDUC 305 Storytelling in Children's Literature (5)
- EDUC 310 Reading Methods in the Elementary School (3)
- EDUC 401 Reading Instruction and Literature for Young Adults (5)
- EDUC 410 Student-Centered Reading Programs (4)
- EDUC 413 Content Area Reading (3)
- EDUC 415 Introduction to Reading Assessment and Remediation (4)

Total credits for above minor

27 credits

Course Requirements for Teacher Certification/Add-on Endorsements
(For students who currently possess a Washington State Teaching Certificate)**Elementary Education/Add-on Endorsement (77-78 credits)**
Must have a current Washington State Patrol form.

This add-on satisfies the endorsement for Kindergarten to grade 8.

Required Courses

- *EDUC 300 Introduction to Classroom Experience (2-3)
- EDUC 304 Introduction to Elementary Reading (3)
- EDUC 310 Reading Methods in the Elementary School (3)
- *EDUC 338 Introduction to Language Arts in the Elementary School (3)
- *EDUC 339 Social Studies and Science in the Elementary School (4)
- EDUC 418 Classroom Management - Elementary (3)
- ART 390 Art in the Elementary School (3)
- BIOL 115 Investigating Biology (5) **or** BIOL 100 Introduction to Biology (5)
or an approved life science class with a lab
- CEDP 302 Educational Psychology (5)
- GEOG 101 Fundamentals of Human Geography (5)
or GEOG 230 World Regional Geography (5)
- GEOG/GEOL 115 Investigating Earth Science (5)
or an approved research science class with a lab
- HIST 104 East Asia: Tradition and Transformation (5)
or HIST 106 Western Heritage: 18th Century to the Present (5)
- HIST 110 The American Experience: A Survey (5)
- MATH 211 Structures of Elementary Mathematics I (5)
- MATH 212 Structures of Elementary Mathematics II (5)
- MATH 390 Methods of Teaching Elementary School Mathematics (5)
- MUSC 390 Music Methods for Elementary Classroom Teacher (3)
- PHED 390 Health and Physical Education in the Elementary School (3)
- PHYS 115 Investigating Physical Science (5)
or an approved physical science class with a lab

Minimum total credits for above add-on endorsement 77 credits

**EDUC 300 must be taken concurrently with EDUC 338 and 339. See Williamson Hall 310 before registering for these courses.*

GRADUATE PROGRAMS

Master of Education**Program Office**

**314 Williamson Hall
(509) 359-6492**

The programs available through the Department of Education are designed to provide opportunities for graduate students who desire advanced training in education. The following MED programs are offered.

*These programs do not require prior teacher certification.

***Adult Education:** This program is developed to provide advanced opportunities for those persons seeking to work with adults in a variety of settings.

Curriculum and Instruction: Designed for certified teachers who wish to exercise leadership in school curriculum planning and development. Areas of emphasis include curriculum and instructional development, early childhood education and elementary teaching. Candidates can plan with an advisor to emphasize science education, social science education, or school library media. Candidates could also choose to emphasize working with "at risk" learners, middle school education or gifted education. A copy of state teaching certificate must accompany application.

Educational Leadership: This degree program meets the requirements of the State Department of Public Instruction for a school principal's certificate.

***Foundations of Education:** Designed for teachers who want a broad understanding of the history, philosophy and organization of education.

***Instructional Media and Technology:** Designed to provide specialists in instructional design and development for the production of all types of instructional resources in a variety of settings.

Literacy: Designed for classroom and reading teachers as they work toward an understanding of the role that literacy plays across the curriculum.

***Secondary Teaching:** A program designed for those candidates who desire an MED degree and a residency teaching certificate for the middle school, junior high and high school.

***Teaching K-8:** A program designed for those candidates who desire an MED degree and a residency teaching certificate for teaching in the elementary grades.

All programs for preparing teachers and other educational personnel at Eastern are accredited by The National Council for the Accreditation of Teacher Education (NCATE) and in compliance with their standards.

General Admission Requirements for the Master of Education Degree:

1. A Bachelor's degree.
2. Recommendations from three persons, one of whom has known the student in a supervisory capacity.
3. Acceptance into the graduate program (see Admission Policies and Procedures as stated elsewhere in this catalog).

Special requirements for Advancement to Candidacy:

1. Completion of university requirements as listed in advancement to candidacy section as stated elsewhere in this catalog.
2. Selection of orals committee members as stated elsewhere in this catalog. See Approved Third Member Policy.

Exit Requirements:

1. Successful completion of all course and research project work.
2. Successful completion of the final examination.
3. At least one-year successful professional experience must be completed prior to the granting of the degree.

Adult Education

This program is developed to provide an advanced educational opportunity for those persons seeking to work with adults in educational settings. These settings include but are not limited to vocational programs, adult basic skills programs, inservice coordination for business and industry, and military training. It is anticipated that students will come from a variety of backgrounds, most having a bachelor's degree with some additional work and some having master's degrees in other areas. Recommended prerequisite: CEDP 314 Adult Development.

Common Requirements and Credit Hours

- EDUC 520 Methods of Educational Research or alternate as designated (4)
- Psychological Foundations of Education: CEDP 515 Advanced Educational Psychology (4)
- Historical, Philosophical and Social Foundations of Education:
EDUC 505 or 507 (4)
- COIN 571 Survey of Post-Secondary Education (4)

Area Specialization and Credit Hours

- COIN 572 Strategies for Teaching Adults (4)
- EDUC 601 Research Report (6)
- EDUC 695 Internship (8)

Common requirements	16 credits
Area Specialization credits	18 credits
Elective support courses approved by advisor	18 credits
Total credits for above master's degree	52 credits

Curriculum and Instruction

This program of study is designed for certified teachers who wish to exercise leadership in school curriculum planning and development. Areas of emphasis include curriculum and instructional development, early childhood education and elementary teaching. Candidates can plan with an advisor to emphasize science education, social science education or school library media. Candidates could also choose to emphasize working with "at risk" learners, middle school education or gifted education.

A copy of state teaching certificate must accompany graduate application.

Common Requirements and Credit Hours

EDUC 520 Methods of Educational Research
or alternate as designated (4)
EDUC 521 Field Based Inquiry (4)
Historical, Philosophical and Social Foundations of Education:
EDUC 502 or 507 (4)
EDUC 505 or 506 (4)
CEDP 504 Theories of Human Development (4)
EDUC 601 Research Report or 600 Thesis (5)

Area Specializations

Curriculum Development Emphasis

Area Specialization

EDUC 531 Elementary School Curriculum (4)
or EDUC 532 Secondary School Curriculum (4)
EDUC 533 Instructional Systems Development (4)
EDUC 551 Supervision of Instruction (4)
EDUC 588 Readings in the Curriculum (4)
EDUC 598 Seminar in Education (4)

Support courses - choice of one

EDUC 564 School Law (4)
EDUC 570 Elementary School Science Programs (4)
EDUC 571 Mathematics in Elementary School (3)
EDUC 574 Social Studies in the Elementary School (3)
EDUC 594 Psychology of Literacy (4)
500/600 Level Courses e.g., content field, computers (Var)
EDUC 599 Independent Study (Var)

Common requirements credits	25 credits
Area specialization credits	20 credits
Minimum support area credits	3-4 credits
Minimum total credits for above master's degree	48 credits

Early Childhood Education Emphasis

Area Specialization

EDUC 580 Curriculum Design in ECE (4)
CEDP 502 Theories of Learning (4)
or CEDP 503 Applied Learning Theory and Behavior Modification (4)
EDUC 598 Seminar in Education (4)

Support courses

Selected with approval of program advisor from education in areas related to early childhood education

Common requirements credits	25 credits
Area specialization credits	12 credits
Support area credits	11 credits
Minimum total credits for above master's degree	48 credits

Elementary Teaching Emphasis

Area Specialization

EDUC 531 Elementary School Curriculum (4)
EDUC 570 Elementary School Science Programs (4)
EDUC 574 Social Studies in the Elementary School (3)
EDUC 576 Advanced Literacy Methods (4)
EDUC 594 Psychology of Literacy (4)
MATH 590 Math Methods for Elementary Teachers (5)

Support courses

Elective approved by advisor

Common requirements	25 credits
Area specialization credits	24 credits
Total credits for above master's degree	48 credits

Interdisciplinary Emphasis

Area Specialization, Support courses

Chosen with advisor approval

Common requirements credits	25 credits
Area specialization and support area credits	23 credits
Minimum total credits for above master's degree	48 credits

Educational Leadership

The Educational Leadership program is built upon the six Interstate School Leaders Licensure Consortium (ISLLC) Standards and the concept that effective schools are led by leaders well grounded in the principles of best practices in leadership and management. This degree program meets the requirements of the State Department of Public Instruction for a school principal's certificate. Completion of the Master of Education Program and demonstrated competence in specific standards as listed by the State Board of Education will qualify the candidate for the appropriate certificate. In addition, a teaching certificate or an Educational Staff Associate certificate and demonstrated significant instructional experience are required for certification by the state of Washington. A successful school year internship of a minimum of 720 hours is required to meet the degree program and certification. Enrollment in this internship requires review and approval by the Administrative PEAB.

Note: Permission to enroll in this internship requires review and approval by the Administrative PEAB.

A copy of state teaching certificate must accompany the graduate application.

Required steps prior to MEd course work:

1. Apply to Graduate School
2. Apply to Educational Leadership Program through the Program Coordinator

Requirements and Credit Hours

EDUC 505 Current Issues in Education (4)
EDUC 520 Methods of Educational Research (4)
EDUC 531 Elementary School Curriculum (4)
or 532 Secondary School Curriculum (4)

Choose one course from the following options:

EDUC 502 History of American Education (4)
EDUC 506 Educational Sociology (4)
EDUC 507 Philosophy and Organization of the American School (4)
EDUC 591 Instructional Foundations and Interventions for Literacy Difficulties (4)

Specialization Requirements and Credit Hours:

EDUC 539 Special Topics: School Administration (4)
EDUC 551 Supervision of Instruction (4)
EDUC 564 School Law (4)
EDUC 565 Leadership for Today's Schools (4)
EDUC 566 Leadership for School-Community Relations (4)
EDUC 695 Internship (12)

Common credits	16 credits
Specialization credits	32 credits
Minimum total credits for above master of education degree and initial principal's certificate	48 credits

Foundations of Education

This program is designed for the individual wanting a broad understanding of the history, philosophy and organization of education.

A teaching certificate is not required.

Common Requirements and Credit Hours

EDUC 520 Methods of Educational Research
or alternate as designated (4)
Psychological Foundations of Education:
CEDP 515, 518, or 519 (4)
Historical, Philosophical and Social Foundations of Education:
EDUC 502, 503, 505, 506 or 507 (any two) (8)

Area Specialization:

Select two or three beyond common requirements:

EDUC 502 History of American Education (4)
EDUC 503 Contemporary Education in Other Societies (4)
EDUC 506 Educational Sociology (4)
EDUC 507 Philosophy and Organization of the American School (4)
CEDP 515 Advanced Educational Psychology (4)
CEDP 518 Problems in Child Development (4)
CEDP 519 Problems of Adolescence (4)

Select support courses approved by the advisor including courses from related disciplines: history, government, sociology, psychology.

Research: EDUC 600 or 601 for students who elect a thesis or research report; adjustments will be made in the hours required in the above categories.

Common requirements credits	16 credits
Specialization credits	8-12 credits
Support area credits	20-24 credits
Minimum total credits for above master's degree	48 credits

Instructional Media and Technology

Nancy Todd, Program Advisor
318B Williamson Hall
(509) 359-6094
Nancy.Todd@mail.ewu.edu

This program provides people with experience to become specialists in instructional design and development for the production of all types of instructional resources in a variety of settings. The content includes communication, media and technology, instructional methods, learning research and administration of teaching and learning programs. A teaching certificate is not required.

Common Requirements and Credit Hours

EDUC 520 Methods of Educational Research
or alternate as designated (4)
Psychological Foundations of Education:
CEDP 515, 518, or 519 (4)
Historical, Philosophical and Social Foundations of Education:
EDUC 502, 503, 505, 506, or 507 (any two) (8)

Area Specialization

EDUC 530 Foundations of Educational Communication and Information
Technology (4)
EDUC 533 Instructional Systems Development (4)
EDUC 600 Thesis or 601 Research Report (3-5)
EDUC 695 Internship (3-5)

Support Course

Support courses can be selected from the following list or may be selected from other courses approved by the advisor.

EDUC 537 Information Sources Technology in Education (4)
EDUC 538 Media Literacy for Teachers (4)
EDUC 539 Special Topics (1-12)
EDUC 569 Administration of Technology Programs (4)

Common requirements credits	16 credits
Specialization credits	14-18 credits
Support area credits	14-18 credits
Minimum total credits for above master's degree	48 credits

Literacy

Program Advisors:

Ben Brucker
314D Williamson Hall
(509) 359-2243
bbrucker@mail.ewu.edu

Marilyn Carpenter
316B Williamson Hall
(509) 359-6198
Marilyn.Carpenter@mail.ewu.edu

Patty Luse
315C Williamson Hall
(509) 359-7029
Patty.Luse@mail.ewu.edu

Candy Schulhauser
314A Williamson Hall
(509) 359-6092

Jim Uhlenkott
315A Williamson Hall
(509) 359-7021

Rob Whitman
311C Williamson Hall
(509) 359-6091
Robert.Whitman@mail.ewu.edu

This emphasis is designed for both classroom and reading teachers as they work toward an understanding of the role that literacy plays across the curriculum and over time. The program explores philosophies and processes for teaching literacy and ways to use writing to support the reading process in the K-12 educational setting.

A copy of state teaching certificate must accompany the graduate application.

Common Requirements and Credit Hours

EDUC 520 Methods of Educational Research (4)
EDUC 601 Research Report (5)
Historical, Philosophical and Social Foundations of Education:
EDUC 502 or 507 (4)
EDUC 505 or 506 (4)
EDUC 539 Special Topics: Seminar in Reading Education (4)
Psychological Foundations of Education: CEDP 504 Theories of Human
Development (4)

Area Specialization

EDUC 542 Literature Study in the Elementary and Middle School (4)
EDUC 544 Advanced Reading Methods Across the Curriculum (4)
EDUC 576 Advanced Literacy Methods (4)
EDUC 590 Critical and Social Literacies (4)
EDUC 591 Instructional Foundations and Interventions for Literacy Difficulties
(4)
EDUC 594 Psychology of Literacy (4)

Common requirements credits	25 credits
Area specialization credits	24 credits
Minimum total credits for master's degree	49 credits

Professional Teaching Certificate

This certificate is the "second-level" certificate for those who have a valid residency teaching certificate. The goal of this program is to help teachers demonstrate the positive impact they have on student learning. Prior approval is required before admission into a Professional Teaching Certificate Program.

The Professional teaching certificates is valid on a continuing basis upon completion of 150 continuing clock hours (15 quarter hours) every five years.

Please direct all inquiries and correspondence for certification to:

Certification Office
Eastern Washington University
312 Williamson Hall
Cheney, WA 99004-2451

Secondary Teaching

This program is available to candidates who hold a bachelor's degree in an area other than education and are interested in receiving both an MEd degree and a residency teaching certificate for teaching in the middle school, junior high and high school. Candidates for this program must have an endorsable teaching major that has been approved by an Eastern Washington University academic department. Effective 9/1/05 all candidates for certification must pass a Praxis II WESTE subject matter test to receive an endorsement for certification purposes.

Prerequisites for this program are:

1. Computer Literacy Requirement: CPLA 100, *Computer Literacy I* and CPLA 101, *Computer Literacy II* or complete a computer literacy test clearance.
2. Introductory speech course (CMST 200, or an approved equivalent).
3. At least 90% of the endorsable teaching major must be completed.
4. Successful completion of the WEST-B (Washington Educators Skills Test-Basic). Contact www.west.nesinc.org for test information.

Secondary Teaching candidates go through a pre-approval interview process and complete a year-long internship in a middle or secondary school.

Additional courses listed below must be completed for certification:

- EDUC 419 Classroom Management - Secondary (3)
- XXXX XXX Secondary Methods Class from Major Department (3-5)
- EDUC 413 Content Area Reading (3)
- EDUC 341 Secondary Strategies (3)

Minimum total credits for Certification 12 credits

Common Requirements and Credit Hours

- EDUC 520 Methods of Educational Research (4)
- Psychological Foundations of Education:
 - CEDP 515 Advanced Educational Psychology (4)
- Historical, Philosophical and Social Foundations of Education:
 - EDUC 506, 507 (8)

Area Specialization

- EDUC 532 Secondary School Curriculum (4)
- EDUC 533 Instructional Systems Development (4)
- EDUC 551 Supervision of Instruction (4)
- EDUC 588 Readings in the Curriculum (4)
- EDUC 598 Seminar in Elementary/Secondary Education (2)
- EDUC 695 Internship (20)

Common requirements credits 16 credits

Area specialization credits 38 credits

Minimum total credits for above master's degree and certification 54 credits

Teaching K-8

This program is available to candidates who hold a bachelor's degree in an area other than education interested in receiving both a MEd degree and a residency teaching certificate for teaching in the elementary grades.

Prerequisites for this program are:

1. Computer Literacy Requirement: CPLA 100, *Computer Literacy I* and CPLA 101, *Computer Literacy II* or complete a computer literacy test clearance.
2. Introductory speech course (CMST 200, or an approved equivalent).
3. Life Science class with a lab (recommend BIOL 115)
4. Physical science class with a lab (recommend GEOL or PHYS 115)
5. Earth science class with a lab (recommend GEOG/GEOL 115).

6. US history (recommend HIST 110).
7. World history (recommend HIST 104 or 106)
8. Human geography (recommend GEOG 101 or 230).
9. A successful completion of the WEST-B (Washington Educators Skills Test-Basic). Contact www.west.nesinc.org for test information.

Elementary Teaching with Certification candidates go through a pre-approval interview process and complete a year-long internship in an elementary school. Effective 9/1/05 all candidates for certification must pass an elementary education Praxis II test to receive an endorsement for certification purposes.

Additional courses listed below must be completed for certification:

- ART 390 Art in the Elementary School (3)
- MUSC 390 Music Methods for Elementary Classroom Teachers (3)
- PHED 390 Health and Physical Education in the Elementary Schools (3)
- EDUC 304 Introduction to Elementary Reading (3)
- EDUC 310 Reading Methods in the Elementary School (3)
- EDUC 418 Classroom Management - Elementary (3)

Minimum total credits for certification 18 credits

Common Requirements and Credit Hours

- EDUC 520 Methods of Educational Research (4)
- Psychological Foundations of Education:
 - CEDP 515 Advanced Education Psychology (4)
- Historical, Philosophical and Social Foundations of Education:
 - EDUC 506, 507 (8)

Area Specialization

- EDUC 478 Science in the Elementary School (4)
- EDUC 531 Elementary School Curriculum (4)
- EDUC 533 Instructional Systems Development (4)
- EDUC 574 Social Studies in the Elementary School (3)
- EDUC 576 Advanced Literacy Methods (4)
- EDUC 594 Psychology of Literacy (4)
- EDUC 598 Seminar in Elementary Teaching (2)
- EDUC 695 Internship (20)
- MATH 590 Math Methods for Elementary Teachers (5)

Common requirements credits 16 credits

Specialization credits 50 credits

Minimum total credits for above master's degree and certification 66 credits



Education Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

EDUC 101

Society and Education (4)

FALL/WINTER/SPRING/SUMMER

Surveys the problems and controversies surrounding education with an analysis of these problems through a sociological-historical approach. Emphasizes the close relationship between society and education. Designed as a general education course.

EDUC 146

College Reading and Study Techniques (5)

FALL/WINTER/SPRING/SUMMER

Individual evaluation, prescription and practice for improvement of study reading, note-taking, spelling and study techniques.

EDUC 150

Reading/Study Skills (1-2)

Graded Pass/No Credit.

This class is to assist students with reading and study skills. Techniques introduced and practiced within content areas of courses in which the students are enrolled include: time management, textbook reading, taking lecture notes, reduce-SQ3R, retain-SQ3R, test taking skills. Reading enhancement will involve techniques for improving rate, comprehension, vocabulary and critical reading. Other skills addressed may include spelling and tutoring for specific subjects.

Special note: students may earn a maximum of two credits a quarter and may earn a total of five credits during their tenure at the university.

EDUC 200

Admission to the Teacher Education Program (1)

FALL/WINTER/SPRING/SUMMER

Graded Pass/No Credit.

Prerequisites: CPLA 100, 101, 120 or Computer Literacy Test Clearance, and ENGL 101 and 201 and MATH 211 [Elementary] or MATH 115 [Secondary], and CMST 200 or proof of equivalence and passing the Washington Education Skill Test-Basic (WEST-B), and a minimum 2.5 GPA in the last 45 credits completed. EDUC 200 can be taken concurrently with the WEST-B but students will not be given credit for completion of the course until the WEST-B is passed.

EDUC 200 is a required prerequisite to most education courses and admission to the teacher preparation program. The course includes orientation to: EWU Teacher Education Program; completion of Washington State Patrol FBI Clearance, moral character and personal fitness supplement; introduction to Washington Administrative Code (WAC) knowledge and skills, Washington State Learning Goals (WASL) and Essential Academic Learning Requirements (EALRs); Office of the Superintendent of Public Instruction (OSPI) and National Council for Accreditation of Teacher Education (NCATE) accreditation standards and desired professional attributes; the Department of Education reflective teaching model and Evidentiary Portfolio; required K-12 public school field experiences; school-based communication skills and legal and professional certification requirements.

EDUC 201

Introduction to Education (3)

FALL/WINTER/SPRING/SUMMER

EDUC 201 is an overview of the role of the schools in a democratic society, an introduction of reflective thinking concept for professional educators, an analysis of various philosophical views of teaching and learning and an introduction to the restructuring of the K-12 educational system in the state of Washington.

EDUC 299

Special Studies (1-18)

FALL/WINTER/SPRING/SUMMER

Subjects studied vary according to faculty and student interests.

EDUC 300

Introduction to Classroom Experience (1-4)

Graded Pass/No Credit.

FALL/WINTER/SPRING/SUMMER

Prerequisite: Washington State Patrol form submitted.

Observation and participation in public school classroom management and instruction. Your schedule must be arranged so time can be spent in a public school classroom during the day. After registering for EDUC 300, sign up for placements in Education Department Williamson Hall, third floor.

EDUC 303

Evaluation in Education (5)

FALL/WINTER/SPRING/SUMMER

Prerequisites: EDUC 200, Washington State Patrol Clearance/FBI fingerprinting receipt submitted.

Developing objectives, lesson planning, measurement and assessment of the total school program including National and State Learning Goals/Standards and Washington State Essential Academic Learning Requirements.

EDUC 304

Introduction to Elementary Reading (3)

FALL/WINTER/SPRING/SUMMER

Prerequisites: EDUC 200; EDUC 201 or concurrent enrollment. Washington State Patrol form submitted.

A course investigating reading processes, emergent literacy, word identification, vocabulary and comprehension in elementary reading programs.

EDUC 305

Storytelling in Children's Literature (5)

FALL/WINTER/SPRING

Prerequisites: EDUC 200; Washington State Patrol clearance.

EDUC 305 includes selected readings and discussions of a variety of children's books. The course allows students to become acquainted with quality children's literature and suggests media center and K-8 classroom uses for quality literature. (Cross-listed LBSC 305)

EDUC 306

Introduction to Children's Studies (1)

Students will have an opportunity to learn about the content and process of the children's studies major, how to develop a plan of study and to construct and assess their knowledge through the development of portfolios.

EDUC 310

Reading Methods in the Elementary School (3)

FALL/WINTER/SPRING/SUMMER

Prerequisites: EDUC 200, 304. Washington State Patrol clearance.

This course extends the understanding of the reading process and approaches to teaching reading related to the total elementary school curriculum (K-8).

EDUC 323

A Global View through Children's Literature (5)

[satisfies international studies university graduation requirement.]

By reading and discussing a variety of children's literature titles across several interrelated thematic units, students will examine cultural constructs, gain familiarity with international cultures, work toward

empathy for other peoples and practice a critical reading stance about stories from around the world. Course work will include papers, journals, large and small group discussions and presentations. (cross-listed with ENGL 323)

EDUC 325

Inequalities and Impacts on Educational Equity (4)

FALL/WINTER/SPRING/SUMMER

[satisfies cultural and gender diversity university graduation requirement.]

Prerequisite: Junior standing or permission of instructor. An exploration of concepts, principles and theories of educational equity and their function within a society. This course includes issues of ethnicity and race, socioeconomic status and gender inequalities within the US and the impact of those inequalities on educational equity.

EDUC 338

Introduction to Language Arts in the Elementary School (3)

FALL/WINTER/SPRING

Prerequisites: Junior standing, and completion of EDUC 200, 303 and EDUC 310; concurrent enrollment in EDUC 339. Washington State Patrol clearance.

This course examines the environment needed to teach the skills of listening, speaking and writing in the elementary program.

EDUC 339

Social Studies and Science in the Elementary School (4)

FALL/WINTER/SPRING

Prerequisites: Junior standing, and completion of EDUC 200, 303 and EDUC 310; concurrent enrollment in EDUC 338. Washington State Patrol clearance.

This course includes formulation of goals for Social Studies and Science, selection of content to be taught at each grade level, development of daily lesson plans and unit plans utilizing recommended teaching strategies and participation in teaching lessons in an elementary classroom.

EDUC 341

Secondary Strategies (3)

FALL/WINTER/SPRING

Prerequisites: Junior standing and completion of EDUC 200, 201 and 303. Washington State Patrol clearance.

This course deals with teaching and learning procedures appropriate for courses in the junior and senior high school. It demonstrates a variety of teaching strategies and students develop skills in basic instructional techniques. The course is designed to supplement methods course work taken in major departments.

EDUC 370

Creativity in the Classroom (3)

SUMMER

Prerequisite: Washington State Patrol form submitted. Explores the psychological ramifications of the creative thinking processes through the study of such experts as Guilford, Torrance, Brown, Barron and Maslow. Analyzes school conditions impeding creativity and studies teaching and organizational strategies which can nourish its creativity.

EDUC 399

Directed Study (1-18)

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the instructor and the department chair.

EDUC 401**Reading Instruction and Literature for Young Adults (5)**

FALL/WINTER/SPRING

Prerequisites: EDUC 305 or permission of the instructor. Washington State Patrol clearance.

This course is designed to provide teachers with the skills and information to develop and implement a classroom literacy program for middle and secondary students. It emphasizes instructional strategies to accommodate student diversity using a selection of literature genres as the curriculum foundation. (Cross-listed LBSG 401)

EDUC 409**Teaching the Gifted and Talented (3)**

SUMMER

Prerequisite: Washington State Patrol form submitted.

Analyzes the characteristics of educational programs for the gifted and talented. Helps you develop teaching strategies and curriculum materials designed to provide appropriate educational programs for the gifted and talented.

EDUC 410**Student-Centered Reading Programs (4)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: EDUC 304, 305 and 310. Washington State Patrol clearance.

This course provides a theoretical background, teaching techniques, management techniques and evaluation procedures for student-centered reading programs (e.g. individualized; literature-based approaches; language experience approaches).

EDUC 411**Reading for Language-Diverse Students (3)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: EDUC 410. Washington State Patrol form submitted.

Analyzes the influence of cultural and language differences on learning to read. Helps adapt strategies for teaching the language-diverse student.

EDUC 413**Content Area Reading (3)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: EDUC 200, 303; at least 15 credits in major. Washington State Patrol form submitted.

Suggests a wide variety of strategies for improving K-12 public schools students' comprehension of content area materials and techniques for analyzing the appropriateness of written materials. Three hours field experience weekly spent in K-12 public school.

EDUC 415**Introduction to Reading Assessment and Remediation (4)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: EDUC 410. Washington State Patrol clearance.

This course presents a current model of the reading process, including basic strategies for assessing reading difficulties, strategies for remediation and techniques for professional reporting.

EDUC 418**Classroom Management - Elementary (3)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: EDUC 200 and Washington State Patrol clearance.

This course teaches strategies for handling the classroom environment including management, discipline and individualizing skills. It teaches that instructional needs can be met by modifying the organizational patterns and modes and the conditions of learning with reference to expectations at the elementary level.

EDUC 419**Classroom Management - Secondary (3)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: EDUC 200 and Washington State Patrol clearance.

This course addresses organizational patterns, management skills, discipline practices, individual actions and classroom environmental conditions needed to provide an optimum learning environment at the secondary level.

EDUC 420**Introduction to Student Teaching (1)**

Graded Pass/No Credit.

FALL/WINTER/SPRING/SUMMER

Course fee. Prerequisites: **Elementary:** CEDP 363, EDUC 303, 304, 338, 339, 418. **Secondary:** CEDP 363, EDUC 303, 341, 413, 419. Washington State Patrol clearance.

The successful completion of EDUC 420 leads to student teaching candidacy. The candidate is asked to demonstrate characteristics of desirable teacher-pupil relations. In partial fulfillment of the course requirements, an Evidentiary Portfolio will be presented by each candidate documenting Department of Education performance-based outcomes, Washington State Learning Goals and NCATE standards. Students must have completed at least three-fourths of the course work for their major(s) and minor(s) before taking this course. All methods courses within the student's major must also be completed prior to taking EDUC 420. All students must have a minimum overall GPA of 2.5 in each of the following: major(s), minor(s) and Professional Education Program. All course grades in the student's major(s), and minor(s) and the Professional Education program must be at least 2.0.

EDUC 423**Elementary Student Teaching K-8 (15)**

FALL/WINTER/SPRING

Graded Pass/No Credit.

Prerequisite: EDUC 420.

Departmental clearance required prior to registration. Students must have completed at least three-fourths of the course work for their major(s) and minor(s) before taking this course. All students must have a minimum overall GPA of 2.5 in each of the following: major(s), minor(s) and Professional Education Program. All course grades in the student's major(s), minor(s) and the Professional Education Program must be at least 2.0. Washington State Patrol and FBI clearance must be current. For a complete description of activities and procedures associated with student teaching, please refer to the department's Student Teaching Handbook.

EDUC 424**Internship Elementary Level (1-18)**

FALL/WINTER/SPRING

Graded Pass/No Credit.

Prerequisites: EDUC 420. Instructor approval required prior to registration. Must have two thirds of the total credit hours in major and minor. A minimum GPA of 2.5 in each of the following: major, minor, and Professional Education Program. No individual course below a grade of 2.0 in each of the following: major, minor or Professional Education Program. Methods course in major completed. Washington State Patrol Clearance/FBI Fingerprinting Clearance must be current.

In this class, the candidate student teaches in a special subject area such as P.E., music, library, special education or another area, allowing the candidate to gain additional experience.

EDUC 425**Internship Secondary Level (1-18)**

FALL/WINTER/SPRING

Graded Pass/No Credit.

Prerequisites: EDUC 420. Instructor approval required prior to registration. Must have two thirds of the total credit hours in major and minor. A minimum GPA of 2.5 in each of the following: major, minor, and Professional Education Program. No individual course below a grade of 2.0 in each of the following: major, minor or Professional Education Program. Methods course in major completed. Washington

State Patrol Clearance/FBI Fingerprinting Clearance must be current.

This class is designed to provide the candidate student teaching experience in a new area or additional student teaching experience.

EDUC 426**Secondary Student Teaching 7-12 (15)**

FALL/WINTER/SPRING

Graded Pass/No Credit.

Prerequisite: EDUC 420.

Departmental clearance required prior to registration. Students must have completed at least three-fourths of the course work for their major(s) and minor(s) before taking this course. All students must have a minimum overall GPA of 2.5 in each of the following: major(s), minor(s) and Professional Education Program. All course grades in the student's major(s), minor(s) and the Professional Education Program must be at least 2.0. Washington State Patrol and FBI clearance must be current. For a complete description of activities and procedures associated with student teaching, please refer to the department's Student Teaching Handbook.

EDUC 427**General Student Teaching K-12 (1-15)**

FALL/WINTER/SPRING

Graded Pass/No Credit.

Prerequisite: EDUC 420.

Departmental clearance required prior to registration. Students must have completed at least three-fourths of the course work for their major(s) and minor(s) before taking this course. All students must have a minimum overall GPA of 2.5 in each of the following: major(s), minor(s) and Professional Education Program. All course grades in the student's major(s), minor(s) and the Professional Education Program must be at least 2.0. Washington State Patrol and FBI clearance must be current. For a complete description of activities and procedures associated with student teaching, please refer to the department's Student Teaching Handbook.

EDUC 455**Perspectives of Early Childhood Education (3)**

FALL/WINTER

Students are introduced to the foundations and current perspectives of early childhood education. Opportunities are provided to learn about issues, trends, appropriate programs and expectations for working with young children and their families.

EDUC 456**Integrated Early Childhood Practices (5)**

FALL/SPRING

Prerequisites: EDUC 455.

The design, implementation and assessment of appropriate early childhood practices (birth to 8 years) are addressed in this course. The early childhood preservice teacher is guided in a collaborative, reflective, and field-based process that views a learner-centered environment for young children as an organic process of constructivism.

EDUC 457**Collaborative Reflective Teaching in Early Childhood Education (3)**

WINTER/SPRING

Prerequisites: EDUC 455, 456.

Early Childhood students are encouraged to focus on their developing practices for working with young children by using a reflective practice model that emphasizes collaboration, constructivism and caring.

EDUC 458***The Learning Paradigm in Children's Studies (5)***

WINTER

Prerequisite: EDUC 306.

Students will learn about early childhood teacher education through an integrated, holistic and collaborative inquiry approach focusing on appropriate practices for young children.

EDUC 462***Instructional Media and Technology (3)***

FALL/WINTER/SPRING/SUMMER

Course fee. Prerequisites: Junior level standing, Washington State Patrol form submitted or permission of the instructor. Exploration and examination of new technologies and media for education as well as understanding and analyzing emerging technology trends. Orientation and utilization of media equipment including video-camcorder, CD-ROM, computer, VCR, traditional projection equipment, laser-disc and satellite technology.

EDUC 463***Production of Instructional Materials (5)***

FALL

Course fee.

This course will use the latest computer technology for teachers in all areas, librarians and media specialists. Producing presentations, creating graphs and charting, producing classroom newsletter publications, scanning documents and pictures, importing clip art, making color transparencies, video production and evaluation of web page design are covered in this class.

EDUC 478***Science in the Elementary School (4)***

FALL/WINTER/SPRING/SUMMER

Prerequisite: Washington State Patrol form submitted.

Develops instructional competencies in elementary school science through extensive laboratory experiences.

EDUC 479***Early Literacy (3)***

WINTER/SPRING

Prerequisites: EDUC 455.

Students are expected to learn that emergent literacy begins with a child's birth and encompasses those experiences that introduce, involve and motivate the learning of early language and literacy constructs.

EDUC 480***Educating Young Children with Diverse Backgrounds (3)***

FALL/SPRING

Prerequisites: EDUC 455.

The early childhood education student will learn to integrate the learning of children with diverse backgrounds into developmentally and culturally appropriate programs.

EDUC 487***Seminar in Issues in Early Childhood Education (4)***

FALL

A presentation and discussion of current issues related to Early Childhood Education including types of daycare, preschool and kindergarten programs, factors influencing these programs and the advantages and disadvantages of various types of programs.

EDUC 490***Department Senior Capstone (4)******Politics of Literacy or******Elementary Science****[satisfies senior capstone university graduation requirement.]*

Prerequisite: Senior standing.

See your major department advisor for the appropriate section number.

EDUC 494***Practicum Seminar for Reading Majors (2)***

FALL/WINTER/SPRING/SUMMER

Prerequisites: EDUC 410, Washington State Patrol and FBI clearance. Must be taken concurrently with EDUC 495.

This course allows students to analyze practicum experiences, management strategies for a reading program and develop a personal philosophical foundation for reading instruction.

EDUC 495***Practicum for Reading Majors (5)***

FALL/WINTER/SPRING/SUMMER

Prerequisites: EDUC 410, Washington State Patrol and FBI clearance. Must be taken concurrently with EDUC 494.

The student is supervised while teaching literacy in a classroom setting. It is required that this course be taken before student teaching. Nine (9) hours per week of field experience in a public school classroom are required.

EDUC 497***Workshops, Short Courses, Conferences (1-18)***

FALL/WINTER/SPRING/SUMMER

Electives. Major in Reading (Elementary); must be a reading workshop.

EDUC 498***Seminar (1-18)***

FALL/WINTER/SPRING/SUMMER

EDUC 499***Directed Study (1-18)***

FALL/WINTER/SPRING/SUMMER

Prerequisites: Junior standing, permission of the instructor and the department chair.

An opportunity for students with adequate background and experience to make intensive and independent study of some special problems in education.

EDUC 502***History of American Education (4)***

The economic, social, cultural and philosophical development of America and the resulting impact on schools.

EDUC 503***Contemporary Education in Other Societies (4)***

Study of systems of education outside the United States.

EDUC 505***Current Issues in Education (4)***

Issues such as federal aid, teachers' tenure, teachers' salaries, the political control of education, indoctrination versus education, religious and public education, school-district reorganization, the community-centered school and academic freedom.

EDUC 506***Educational Sociology (4)***

An analysis of American democratic ideology in relation to major social problems such as race, social stratification, leisure, population movements, family life, and the involvement of the public schools.

EDUC 507***Philosophy and Organization of the American School (4)***

Four philosophies in education will be studied. The implications of each for school organization and classroom instruction will be examined. Participants will be invited to analyze their beliefs and how these beliefs form into a coherent philosophy of education.

EDUC 520***Methods of Educational Research (4)***

Required of all graduate students pursuing the master of education degree program unless an alternative research course is scheduled. It provides the background of research methods and techniques necessary for meeting the requirements of Education 600 or 601. The methods, tools and strategies used in educational research, both quantitative and qualitative will be explored. Continued level teacher certification research requirements may be met through this course.

EDUC 521***Field Based Inquiry (4)***

Prerequisite: EDUC 520

Participants will study field-based methodology and models, learn strategies for collecting and analyzing field-based data, and apply concepts and strategies by conducting a field based inquiry project and presenting results. (May be assigned a "Y" grade.)

EDUC 530***Foundations of Educational Communication and Information Technology (4)***

Survey of current issues, philosophical foundations, research and history in the field of educational communication and information technology applicable to K-12 and adult learners.

EDUC 531***Elementary School Curriculum (4)***

Curriculum practice and instructional materials most likely to improve instruction in the elementary school.

EDUC 532***Secondary School Curriculum (4)***

Curriculum practice and instructional materials most likely to improve instruction in the secondary school.

EDUC 533***Instructional Systems Development (4)***

Advanced techniques and methods of developing and utilizing instructional systems. A multimedia correlated system will be designed, produced, organized, field tested and presented.

EDUC 537***Information Sources and Technology in Education (4)***

Media access, selection and utilization for K-12 and adult learners; distance learning and telecommunications; networking and electronic data bases; applications of technologies in urban and rural education.

EDUC 538***Media Literacy for Teachers (4)***

Focuses on curricular and instructional development of resource-based skills. From examining model K-12 programs for skills in such areas as information, critical television viewing, media production, visual literacy, teachers will apply elements of instructional design and development to resource-based skills programs.

EDUC 539***Special Topics (1-5)***

May be graded Pass/No Credit.

EDUC 542**Literature Study in the Elementary and Middle School (4)**

Prerequisites: EDUC 305 and 401 or equivalent.
Advanced study of literature based teaching. Explores ways of building a literate classroom by connecting children and books with special ways on supporting students in becoming fluent readers.

EDUC 544**Advanced Reading Methods Across the Curriculum (4)**

Prerequisites: EDUC 304, 310.
A course designed to provide classroom teachers an opportunity to revisit current reading instruction methodology, examine new research including brain research impacting instruction and explore meaningful ways in which reading instruction may be infused and integrated within content areas of the curriculum. Teacher assessment and student self-assessment as means to inform teaching and learning will be an additional focus of the course.

EDUC 551**Supervision of Instruction (4)**

Prerequisite: One-year teaching experience beyond student teaching or permission of the instructor.
The work of the teacher or supervisor in improving instruction.

EDUC 552**Supervision of Student Teaching (4)**

Prerequisite: One-year teaching experience beyond student teaching.
Preparation for positions as supervisors in laboratory schools and for public school teachers who supervise students in off-campus student teaching assignments.

EDUC 564**School Law (4)**

Prerequisite: One-year teaching experience beyond student teaching.
Court decisions and statutory law relating to the duties and powers of school officials and employees, compulsory school attendance, school census, child labor, control and organization.

EDUC 565**Leadership for Today's Schools (4)**

Prerequisites: Two-years teaching experience beyond student teaching and admission to the Educational Leadership Program by the Program Coordinator.
Focus on school leadership, developing with vision the knowledge and skills for strategically leading the planning, decision-making, communication, management and change processes needed in 21st century schools and communities.

EDUC 566**Leadership in School-Community Relations (4)**

Prerequisites: Two-years teaching experience beyond student teaching and admission to the Educational Leadership Program by Program Coordinator or permission of the instructor.
A problem-based exposure to the multi-dimensional role of school-community relations and communication in school districts. The course addresses the Public Relations domain of the NPBEA and WAC standards for the principalship.

EDUC 569**Administration of Technology Programs (4)**

Operational functions concerned with the administration of learning centers, instructional communications or media. Includes selection, utilization, production, budget, services, facilities, equipment, materials and personnel.

EDUC 570**Elementary School Science Programs (4)**

Prerequisites: Teaching experience beyond student teaching, EDUC 478 or permission of the instructor.
The development of elementary school science programs and materials including the coordination of science instruction with other curricular areas.

EDUC 574**Social Studies in the Elementary School (3)**

Place of social studies in the school program, the development of principles involved in the teaching of social studies.

EDUC 575**Environmental Studies for Teachers (2-5)**

Selected study techniques related to environmental education; designed for both pre-service and in-service teachers.

EDUC 576**Advanced Literacy Methods (4)**

Advanced course with emphasis on models for reading and language arts integration. Cover total program: management, methods, materials and techniques.

EDUC 580**Curriculum Design in Early Childhood Education (4)**

Prerequisite: EDUC 455 or permission of the instructor.
An in-depth study of the components of early childhood education curriculum models and research regarding early childhood education programs.

EDUC 588**Readings in the Curriculum (1-4)**

An advanced course for students wanting to study the current literature on school curriculum development and offerings. Students will develop an annotated bibliography from a specific area of school curriculum.

EDUC 589**Readings in School Supervision (1-4)**

Prerequisite: EDUC 551 or 552.
An advanced course for students wanting to study the current literature on school supervision. Students will develop an annotated bibliography from a specific area of supervision.

EDUC 590**Critical and Social Literacies (4)**

Prerequisite: EDUC 310 or consent of the instructor.
An advanced course for students wanting to study current literature on literacy as practiced in a variety of social contexts, as evaluated through a number of critical perspectives. Instructional implications will be highlighted so that students will develop reflective and sound classroom practice.

EDUC 591**Instructional Foundations and Interventions for Literacy Difficulties (4)**

Prerequisite: EDUC 415 or permission of the instructor.
This course is designed to examine the causes and correlates of individual differences in reading ability. A number of specialized, intensive approaches for the improvement of the literacy skills will also be examined.

EDUC 594**Psychology of Literacy (4)**

Prerequisite: EDUC 310 or permission of the instructor.
Application of the findings of psychology to understanding the reading, writing, and communication processes and the teaching of literacy.

EDUC 595**Seminar in Literacy (4)**

Prerequisite: EDUC 520.
Course will help develop critical understanding of the reading process through a scholarly exploration of research related to literary education. The instructional implications of research will be highlighted to help students develop theoretically sound classroom practice.

EDUC 596**Experimental Course (1-6)****EDUC 597****Workshops (1-6)**

Note: Workshop credit cannot be used to fulfill graduate degree requirements.

EDUC 598**Seminar in Education (1-12)****EDUC 599****Independent Study in Education (1-6)**

Prerequisites: Permission of the instructor and the department chair.
Students with adequate background and experience make intensive and independent study of some special problems in education. Students should make arrangements through their graduate advisor.

EDUC 600**Thesis (1-8)**

May be graded Pass/No Credit.
Prerequisite: EDUC 520.
Independent research study under the direction of a graduate advisory committee.

EDUC 601**Research Report (1-6)**

Graded Pass/No Credit.
Prerequisite: EDUC 520 or permission of the instructor.
Research projects to be discussed and criticized by other graduates. Enrollees should have identified a specific problem prior to entering.

EDUC 695**Internship (1-18)**

Graded Pass/No Credit.
Practical, on-the-job experience for specialized school personnel planned cooperatively by a school district and the University. Students are selected for this experience by the University and the district in which the student is working. To register, students must make application to the program advisor during May of the previous year.

EDUC 696**College Teaching Internship (1-5)**

Graded Pass/No Credit.
Teaching a lower-division college course under supervision of a regular faculty member. Includes course planning, arranging bibliographical and instructional aids, conferences with students, experience in classroom instruction and student course evaluation.

Library Science Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

LBSC 305

Storytelling in Children's Literature (5) FALL/WINTER/SPRING

Prerequisites: EDUC 200; Washington State Patrol clearance.

LBSC 305 includes selected readings and discussions of a variety of children's books. The course allows students to become acquainted with quality children's literature and suggests media center and K-8 classroom uses for quality literature. (Cross-listed EDUC 305)

LBSC 401

Reading Instruction and Literature for Young Adults (5) FALL/WINTER/SPRING

Prerequisites: EDUC 305 or permission of the instructor. Washington State Patrol clearance.

This course is designed to provide teachers with the skills and information to develop and implement a classroom literacy program for middle and secondary students. It emphasizes instructional strategies to accommodate student diversity using a selection of literature genres as the curriculum foundation. (Cross-listed EDUC 401)

LBSC 440

Reading Guidance for Children and Young People (3) FALL/WINTER/SPRING/SUMMER

Prerequisite: Washington State Patrol form submitted. Meeting the reading, listening and viewing needs of

children and young people with the materials in the library media center.

LBSC 450

Selection of Library Media Materials (3) WINTER

Prerequisite: Washington State Patrol form submitted. Selection policies, procedures and sources of information for evaluation and acquisition of print and nonprint materials.

LBSC 460

Reference and Information Literacy (3) FALL

Prerequisite: Washington State Patrol form submitted. Methods and materials used in building reference collections and teaching information literacy skills.

LBSC 480

Organization of Learning Resources (4) WINTER

Prerequisite: Washington State Patrol form submitted. Applications of the Dewey classification system and Sears subject headings to materials. Uses of electronic circulation systems and generation of MARC records.

LBSC 490

Administration of the School Library Media Center (3) SPRING

Prerequisite: Washington State Patrol form submitted. Planning and implementing an effective program of services in the public school.

LBSC 495

Practicum in the Library Media Center (1-18) FALL/WINTER/SPRING

Prerequisites: LBSC 490 or concurrent enrollment and 12 quarter credits of Learning Resource course work completed. Washington State Patrol form submitted.

Participation in a school library media center program in administration, cataloging, teaching library skills and other services. A learning contract is required.

LBSC 497

Workshops, Short Courses, Conferences (3) FALL/WINTER/SPRING/SUMMER

LBSC 498

Seminar in School Library Problems (3) FALL/WINTER/SPRING/SUMMER

LBSC 499

Directed Study (1-18) FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the instructor and the department chair.

LBSC 599

Independent Study (1-3)

Prerequisite: Permission of the instructor. Students applying for this course should have at least one year of experience in school library media work and/or at least ten credits in other library media courses.



ELECTRONIC MEDIA, THEATRE AND FILM

College of Arts and Letters
Marvin Smith, Chair
107 RTV Building
(509) 359-6390

BA

Faculty: D. Bennett, T. Mullin, P. Porter, M. Smith

UNDERGRADUATE PROGRAM

The Electronic Media and Film program prepares students for creative roles in the motion picture and television industry. The 81-credit program provides intensive experience in production and writing as well as media theory and criticism. Graduates are required to write a classically structured, feature length screenplay and complete a major production or theory/criticism project. A faculty-student panel reviews both the script and the project.

Admission to the program is restricted to Fall Quarter. Failure to complete courses as they are offered will result in a significant delay in progress toward graduation. Transfer students, including students with AA degrees, must complete EMAF 214 not later than the first fall quarter in the program.

The Department of Electronic Media, Theatre and Film provides students a variety of electronic media facilities, including radio and television studios, electronic field production units, and audio and video editing suites. Students are encouraged to apply their academic training on department-operated cable television channels in Spokane and Cheney and KEWU, a 10,000-watt FM broadcast station.

The location of the campus in proximity to Spokane, a center of trade and communications, allows students to participate in internship programs in a wide range of communication settings. In addition, the internship program extends throughout the United States.

Transfer Requirements for Electronic Media and Film: Students must enter the program in the fall quarter. Students should make application for major status one quarter prior to the fall quarter they intend to begin their major in Electronic Media and Filmic Arts.

All students will be admitted to full major standing only after completion of all lower-division required courses and acceptance by the department.

Foreign Language Requirements for EMAF: Two years of a single foreign language in high school or one year of a single foreign language at the college level is required for graduation with a BA major in EMAF.

Required courses in the following program of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)

Electronic Media and Filmic Arts Major (81 credits)

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses

EMAF 110 Introduction to Electronic Media Production (5)
EMAF 214 Filmic Arts and the Humanities (5)
EMAF 221 Narrative Writing for the Filmic Arts (5)
EMAF 311 Filmic Arts Production (5)
EMAF 312 Filmic Arts Directing and Producing (5)
EMAF 321 Writing for the Filmic Arts I (5)
EMAF 322 Writing for the Filmic Arts II (5)
EMAF 410 Advanced Filmic Arts Production (5)
EMAF 417 Advanced Writing for the Filmic Arts (4)
EMAF 451 Law and Ethics for Producers (4)
EMAF 465 Filmic Arts History I (5)
EMAF 466 Filmic Arts History II (5)
EMAF 467 Filmic Arts Theory and Criticism (5)
EMAF 490 Electronic Media and Filmic Arts Senior Capstone (4)
EMAF 498 Seminar in Filmic Arts Writing (4)
EMAF 498 Seminar in Filmic Arts Criticism (Winter) (4)

EMAF 498 Seminar in Filmic Arts Criticism (Spring) (4)
EMAF 499 Senior Project: Screen writing (1)
EMAF 499 Senior Project: Criticism or Production (1)

Optional Courses

EMAF 480 Field Production I (4)
EMAF 481 Field Production II (4)
EMAF 495 Field Experience in Radio Television (1-12)

Total credits for above major

81 credits

Minors

Electronic Media and Film General Minor (30 credits)

Required Courses

EMAF 110 Introduction to Electronic Media Production (5)
EMAF 214 Filmic Arts and the Humanities (5)
EMAF 221 Narrative Writing for the Filmic Arts (5)
EMAF 321 Writing for the Filmic Arts I (5)
EMAF 465 Filmic Arts History I (5)
EMAF 466 Filmic Arts History II (5)

Total credits for above minor

30 credits

Note: This minor can be completed in one year beginning in a fall quarter.

Electronic Media and Film Screenwriting Minor (28 credits)

Required Courses

EMAF 214 Filmic Arts and the Humanities (5)
EMAF 221 Narrative Writing for the Filmic Arts (5)
EMAF 321 Writing for the Filmic Arts I (5)
EMAF 322 Writing for the Filmic Arts II (5)
EMAF 417 Advanced Writing for the Filmic Arts (4)
EMAF 498 Seminar in Filmic Arts Writing (4)

Note: Students seeking the EMAF Screenwriting Minor must allow for two years of enrollment to meet course prerequisites.

Total credits for above minor

28 credits

Electronic Media and Film Critical Minor (24 credits)

Required Courses

EMAF 214 Filmic Arts and the Humanities (5)
EMAF 465 Filmic Arts History I (5)
EMAF 466 Filmic Arts History II (5)
EMAF 467 Filmic Arts Theory and Criticism (5)
EMAF 498 Seminar in Filmic Arts Criticism (4)

Note: Students seeking the EMAF Film Studies Minor must allow for two years of enrollment to meet course prerequisites.

Total credits for above minor

24 credits

GRADUATE PROGRAM

The Department of Electronic Media, Theatre and Film does not offer a graduate degree but does cooperate in the Master of Science in Communications and in individualized interdisciplinary programs. The MS in Communications program is also described elsewhere in this catalog. Proposed interdisciplinary programs must be developed in consultation with an Electronic Media, Theatre and Film advisor, and submitted in compliance with requirements listed under Interdisciplinary Graduate Programs.

Electronic Media and Film Courses

Note: Any student enrolling in upper-division courses must be an EMAF major or have permission of the instructor.

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

EMAF 110**Introduction to Electronic Media Production (5)**

Prerequisite: Completion of University Proficiencies in writing.
Survey of basic television production techniques, hands-on laboratory experience with electronic media equipment.

EMAF 214**Filmic Arts and the Humanities (5)**

[satisfies the GEGR for humanities and fine arts, list 2, fine arts.]

Prerequisite: Completion of University Proficiency in Writing.
Explores the varieties of human experience as they are expressed through the vocabulary of the filmic arts. Critical viewing, thinking and writing are emphasized. Three lectures, two screenings per week.

EMAF 221**Narrative Writing for the Filmic Arts (5)**

Prerequisite: Completion of University Proficiency in Writing.
The study and creation of narrative structures in film and video. Topics addressed include fiction and nonfiction, story world and screen world, selectivity and objectivity, and devices used to represent tense and relationship. Students write critical papers as well as original scripts and view films and videos. All work submitted must be typed. (4 lectures, 1 film screening per week)

EMAF 300**Filmic Arts Performance Techniques (3)**

Prerequisite: EMAF 214 or concurrent enrollment in 214.
Examination of presentational and representational performance styles and techniques. Script analysis, vocal and physical control, and the demands of cameras and microphones are emphasized. Labs explore narration, interviewing, hosting and acting.

EMAF 301**Filmic Arts Performance Workshop (1)**

May be repeated for credit.
Prerequisite: EMAF 300.
Further development of performance skills developed in EMAF 300 through workshop exercises.

EMAF 311**Filmic Arts Production (5)**

Prerequisites: EMAF 110, 214, 221.
Aesthetic considerations of the video and audio aspects of television production. Various techniques and media are considered. Laboratory exercises encourage audio and video exploration of new forms and techniques. Four lectures and one lab per week.

EMAF 312**Filmic Arts Directing and Producing (5)**

Prerequisites: EMAF 110, 311.
Experience in directing and producing television shows, development of programs, set design and construction, lighting, special effects and camera positioning.

EMAF 321**Writing for the Filmic Arts I (5)**

OFFERED ONCE A YEAR.
Prerequisites: EMAF 214, 221.
The course provides experience in writing the short film. Students will learn to develop story through character, dialogue and action. Criticism and revision are emphasized. Five lectures per week.

EMAF 322**Writing for the Filmic Arts II (5)**

OFFERED ONCE A YEAR.
Prerequisite: EMAF 321.
Adapting pre-existing materials, ideas and out-of-copyright literary work into producible short screenplays. Narrative problem solving, structure, criticism and revision are emphasized.

EMAF 399**Special Studies in Radio Television (1-5)**

Prerequisites: Permission of the instructor and the department chair.
Subjects studied vary according to faculty and student interest.

EMAF 410**Advanced Filmic Arts Production (5)**

Prerequisites: EMAF 110, 311, 312.
Planning, designing, budgeting and proposing television programs. Time, talent, union requirements, and resource budgeting. Selection of locations, logistical planning, aesthetic considerations, criteria for director selection and channels of distribution. Participants in this course will prepare fully budgeted original program proposals and present them to clients in classroom role-play situations. (3 lectures, 1 practicum per week)

EMAF 417**Advanced Writing for the Filmic Arts (4)**

Prerequisite: EMAF 322.
Workshop in various forms of scriptwriting, e.g., documentary, narrative fictional, narrative nonfictional, comedy, adaptation. This course may be repeated for credit when topics vary. Different topics will be indicated in the quarterly Course Announcement and on the student's permanent record. (4 lectures per week)

EMAF 451**Law and Ethics for Producers (4)**

Prerequisite: Senior standing or permission of the instructor.
Analysis of the legal and ethical considerations faced by producers of filmic arts programs. Items include first amendment issues, defamation, privacy, intellectual property, contracts, violence and obscenity and performer/location releases. Reading of cases, written analysis, problem solving and classroom discussion. (4 lectures per week)

EMAF 465**Filmic Arts History I (5)**

Prerequisite: EMAF 214.
This course examines the history and development of the filmic arts from inception through the 1950's with an emphasis on analysis, critical thinking and writing. Three lectures/discussions and four hours of screenings per week.

EMAF 466**Filmic Arts History II (5)**

Prerequisite: EMAF 465.
History and development of the filmic arts from the 1950s to the present. Emphasis on analysis, critical thinking and writing. 3 lecture/discussion and 4 hours of screenings per week.

EMAF 467**Filmic Arts Theory and Criticism (5)**

Prerequisite: EMAF 466.
Explores the major film theories of the past century. Critical thinking, writing and analytic skills are emphasized. 3 lectures, 4 hours of screenings per week.

EMAF 480**Field Production I (4)**

OFFERED ONCE A YEAR.
Prerequisite: EMAF 410.
Preproduction, production and post-production of 30 minute scripts. Emphasis on both schedule adherence and aesthetic realization.

EMAF 481**Field Production II (4)**

OFFERED ONCE A YEAR.
Prerequisites: EMAF 410, 480.
Preproduction, production and post-production of 30-minute scripts. Emphasis on both schedule adherence and aesthetic realization.

EMAF 490**Electronic Media and Filmic Arts Senior Capstone (4)**

OFFERED ONCE A YEAR.
[satisfies senior capstone university graduation requirement.]
Prerequisite: Final quarter senior status.
Creation and defense of a full length screenplay or teleplay.

EMAF 495**Field Experience in Radio-Television (5-12)**

Prerequisites: Permission of the intern coordinator and the department chair.
On-the-job experience in commercial radio and television stations, advertising agencies, public relations and communications-oriented industries.

EMAF 496**Experimental Course (1-5)****EMAF 497****Workshops, Short Courses, Conferences (1-5)**

May be repeated.

EMAF 498**Seminar (1-5)**

May be repeated when topics vary.

EMAF 499**Directed Study (1-5)****EMAF 598****Seminar in Radio-Television (1-5)**

May be repeated when topics vary.

EMAF 599**Independent Study (1-5)****EMAF 601****Research Report in Radio-Television (1-6)**

Independent research resulting in a scholarly paper under the direction of the student's graduate committee.

EMAF 696**College Teaching Internship (5-15)**

ENGINEERING & DESIGN

College of Science, Health and Engineering
Donald C. Richter, Chair
 319E Computing & Engineering Building
 (509) 359-2880

BA, BS
Minor

Faculty: B. Barnes, J. Braukmann, M. Breen, M. Brzoska, T. Couraud,
 J. Donnerberg, J. Durfee, M. S. Koh, W. Loendorf, D. Richter,
 E. Rodriguez-Marek, T. Rule, C. Talarico

UNDERGRADUATE PROGRAMS

Students studying in the Department of Engineering & Design (TECH/ENGR) may select from a broad number of disciplines that include Electrical Engineering, Computer and Mechanical Engineering Technology, Visual Communication Design, Construction, Design, Electronics and Manufacturing. The primary goal of the Department of Engineering & Design is to provide students with the technical background required for careers in business and industry. Course work within each program offers experiences in many areas of technology that enhance the preparation of technology graduates.

The Department of Engineering & Design faculty, facilities and equipment reflect a commitment to maintaining program relevance. Computer-assisted drafting and manufacturing, networking, signal processing, microprocessors, electronics, graphic design/web design, robotics and materials processing laboratories and a variety of engineering/engineering technology laboratories are constantly being updated with new equipment. Articulation and research with industry have resulted in programs that address the latest trends in industry. These efforts have consistently offered graduates excellent job placement and employment opportunities.

Engineering and Design Departmental Scholarship Information:
 The Department awards two scholarships annually: the M. W. Consulting Engineering Scholarship and Aaron G. Mertens memorial scholarship. These scholarships are awarded to our majors, based on academic qualifications and need.

General Admissions Information for Engineering and Design: Students entering the Bachelor of Science degree program as juniors should have completed one year of physics as well as mathematics through precalculus. Failure to complete the mathematics and physics requirements before the junior year likely will delay graduation.

In order to graduate, students majoring in the Department must earn a 2.5 GPA in Departmental course work. Students getting a minor in the Department must also earn a 2.5 GPA in Departmental course work.

Pre-Engineering Program (Engineering Transfer): This engineering transfer program prepares students for transfer to a four-year engineering school. Engineering students may select from many areas of engineering including computer, mechanical, civil, chemical, metallurgical, industrial, computer and agricultural. This program has been coordinated with Washington State University and the University of Washington. Typically, engineering students transfer at the beginning of their junior year.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)

Visual Communication Design (74 credits)

A major in Visual Communication Design educates and prepares students to conceive and create creative solutions to satisfy the visual communication needs of society. Graduates are prepared for careers in graphic design, web design, multimedia design, advertising, printing, publishing or related fields. Theory and practice are covered in a variety of contexts, including process and product, form and content, type and image, and interactivity. Current technology and future trends are addressed in the context of industry practices. This major is combined with a related minor in another academic area to specialize in specific career preparation.

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Note: In order to receive the Visual Communication Design degree, students must earn at least a 3.0 grade in the following courses: TECH 263 Visual Communication Design I, and TECH 363 Visual Communication Design II. This is in addition to the department requirement of 2.5 GPA in all TECH course work.

Required Courses

Core Courses

TECH 100 Engineering Drafting I (4)
 TECH 216 Computer Graphics (4)
 TECH 263 Visual Communication Design I (4)
 TECH 343 Typography (4)
 TECH 363 Visual Communication Design II (4)
 TECH 366 Electronic Prepress Production (4)
 TECH 368 Introduction to Web Page Design (4)
 TECH 369 Advanced Web Design (4)
 TECH 393 Technology in World Civilization (4)
 TECH 463 Visual Communication Design III (4)
 TECH 493 Portfolio Review (2)

Supporting Courses

ART 107 Basic Design (5)
 CMST 201 Public Speaking (5)
 or CMST 250 Small Group Communication (5)
 CMST 400 Message Design (5)
 or CMST 451 Argumentation and Persuasion (5)
 ENGL 205 Introduction to Technical Communication (5)

Electives

Approved Electives (12)
 Approved Capstone course required

Core credits	42 credits
Supporting credits	20 credits
Elective credits	12 credits
Total credits for above major	74 credits

*Note: The above major does require the completion of an approved minor. This adds a minimum of **19-20 credits** (in the case of Art and Communication). The list of courses making up the minor must also be approved by your Visual Communications Design advisor. In certain cases, a prescribed list of courses will be used and is available from your advisor.*

Note: MATH 115 is recommended for the above major.

Bachelor of Science (BS)

Computer Engineering: Technology

This degree combines studies in selected areas of technology, computer science, physics and mathematics to offer two options: software engineering technology and hardware engineering technology. The computer engineering technology major is accredited by the Technology Accreditation Commission of the Board for Engineering and Technology (ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4102-telephone (410) 347-7700.)

The primary objective of the computer engineering technology program is to prepare students to enter and progress in technical positions in business and industry. Graduates are generally expected to work with engineers and scientists in the research and development of ideas, products and processes by applying engineering principles to the solution of practical problems in the computer and electronic fields.

Hardware Engineering Technology Option (147 credits)**Required Core Courses**

ENGR 110 Engineering Graphics (5)
 ENGR 160 Digital Circuits (4)
 ENGR 250 Digital Hardware (2)
 TECH 208 Survey of Electricity (4)
 TECH 277 Microprocessors I (4)
 TECH 308 Circuit Analysis (4)
 TECH 355 Computer-Aided Design for Electronics (4)
 TECH 377 Microprocessors II (4)
 TECH 385 Robotics and Automated Systems (4)
 TECH 393 Technology in World Civilization (4)
 TECH 408 Electronics (4)
 TECH 409 Radio Communication Electronics (4)
 TECH 416 Data Communications (4)
 TECH 425 Computer Architecture & Design (4)
 TECH 490 Senior Capstone: Production Laboratory (4)
 TECH 491 Senior Project (4)
 or TECH 495 Internship (4)

Electives

TECH/CSCD Approved Elective (8)

Supporting Courses

CMST 200 Introduction to Speech Communication (4)
 CSCD 210 Programming Principles I (5)
 CSCD 211 Programming Principles II (5)
 CSCD 240 C and Unix Programming (4)
 CSCD 255 C Programming for Engineers (5)
 CSCD 300 Data Structures (4)
 CSCD 305 C++ Programming (4)
 or ENGR 461 Embedding System Design (4)
 ENGL 205 Introduction to Technical Communication (5)
 MATH 161 Calculus I (5)
 MATH 162 Calculus II (5)
 MATH 225 Foundations of Mathematics (5)
 or MATH 301 Discrete Mathematics (5)
 PHYS 131 Introductory Physics I (4)
 or PHYS 151 General Physics I (4)
 PHYS 132 Introductory Physics II (4)
 or PHYS 152 General Physics II (4)
 PHYS 133 Introductory Physics III (4)
 or PHYS 153 General Physics III (4)
 PHYS 161 Mechanics Lab (1)
 PHYS 162 Heat and Optics Lab (1)
 PHYS 163 Instrumentation Lab I (1)
 CHEM Elective (must have a lab) (5)
 Mathematics Elective (5) (typically MATH 106 or 163)

Required core credits**63 credits****TECH/CSCD elective credits****8 credits****Supporting credits****76 credits****Total credits for above option****147 credits****Free Electives**

0-5 credits of free electives as required to meet 186 total credits for hardware engineering technology option

Note: Including University requirements, the above program requires a minimum of 186 credits or an average of 15.5 credits for a 12 quarter, four-year program. The 186 credits are based upon the following assumptions:

- Hardware engineering technology option students have had one year of high school drafting. If this assumption is not true, then the student will have to take TECH 100, *Engineering Drafting I*, 4 credits.
- Students will enter EWU prepared to take calculus. If this assumption is not true, then the student will have to complete MATH 105, *Precalculus I*, 5 credits and MATH 106, *Precalculus II*, 5 credits.
- Students will have satisfied University competencies. If this assumption is not true, then the student will have to complete up to six more credits of classes. (See University Competencies in this catalog.)

Software Engineering Technology Option (146 credits)**Required Core Courses**

ENGR 160 Digital Circuits (4)
 ENGR 250 Digital Hardware (2)
 ENGR 461 Embedded System Design (4)
 TECH 208 Survey of Electricity (4)
 TECH 277 Microprocessors I (4)
 TECH 355 Computer-Aided Design for Electronics (4)
 TECH 377 Microprocessors II (4)
 TECH 385 Robotics and Automated Systems (4)
 TECH 393 Technology in World Civilization (4)
 TECH 416 Data Communications (4)
 TECH 421 Fundamentals of Network Security (4)
 TECH 425 Computer Architecture and Design (4)
 TECH 490 Senior Capstone: Production Laboratory (4)
 TECH 491 Senior Project (4)
 or TECH 495 Internship (4)

Electives

TECH/CSCD Approved Elective (8)

Supporting Courses

CMST 200 Introduction to Speech Communication (4)
 CSCD 210 Programming Principles I (5)
 CSCD 211 Programming Principles II (5)
 CSCD 240 C and Unix Programming (4)
 CSCD 255 C Programming for Engineers (5)
 CSCD 300 Data Structures (4)
 CSCD 307 Information Systems Development (4)
 CSCD 425 Database Management Systems (4)
 CSCD 427 Database Programming (4)
 ENGL 205 Introduction to Technical Communication (5)
 MATH 161 Calculus I (5)
 MATH 162 Calculus II (5)
 MATH 225 Foundations of Mathematics (5)
 or MATH 301 Discrete Mathematics (5)
 PHYS 131 Introductory Physics I (4)
 or PHYS 151 General Physics I (4)
 PHYS 132 Introductory Physics II (4)
 or PHYS 152 General Physics II (4)
 PHYS 133 Introductory Physics III (4)
 or PHYS 153 General Physics III (4)
 PHYS 161 Mechanics Lab (1)
 PHYS 162 Heat and Optics Lab (1)
 PHYS 163 Instrumentation Lab I (1)
 CHEM Elective (must have a lab) (5)
 Mathematics Elective (5) (typically MATH 106 or 163)

Required core credits**54 credits****TECH/CSCD elective credits****8 credits****Supporting credits****84 credits****Total credits for above option****146 credits****Free Electives**

0-7 credits of free electives as required to meet 186 total credits for software engineering technology option

Note: Including University requirements, the above program requires a minimum of 186 credits or an average of 15.5 credits for a 12 quarter, four-year program. The 186 credits are based upon the following assumptions:

- Students will enter EWU prepared to take calculus. If this assumption is not true, then the student will have to complete MATH 105, *Precalculus I*, 5 credits and MATH 106, *Precalculus II*, 5 credits.
- Students will have satisfied University competencies. If this assumption is not true, then the student will have to complete up to six more credits of classes. (See University Competencies in this catalog.)

Electrical Engineering (148–151 credits)

This degree combines studies in selected areas of physics, mathematics, electronics, electricity and science to prepare students to solve real-world problems in electrical engineering. The first two years of the curriculum allow students to establish a solid foundation in mathematics and sciences. The third year curriculum introduces students to a broad spectrum of electrical engineering course work with specialization and capstone introduced into the fourth year. The senior year capstone course allows the students to consolidate their education experience with the solution of practical engineering problems provided by industry.

The primary objective of the electrical engineering program is to prepare students to enter and progress in electrical engineering positions in business, industry and government. Graduates are generally expected to work in the research and development of ideas, products and processes by applying engineering principles to the solution of practical problems in the electrical engineering field.

Required Courses

ENGR 160 Digital Circuits (4)
 ENGR 209 Circuits Theory (5)
 ENGR 210 Circuits II (5)
 ENGR 250 Digital Hardware (2)
 ENGR 260 Microcontroller Systems (4)
 ENGR 320 Signals and Systems I (5)
 ENGR 321 Signals and Systems II (5)
 ENGR 330 Electronics I (5)
 ENGR 331 Electronics II (5)
 ENGR 350 Energy Systems (5)
 ENGR 420 Digital Signal Processing (5)
 ENGR 430 CMOS Integrated Circuit Design (5)
 ENGR 440 Digital Communication Systems (5)
 ENGR 490 Senior Capstone (4)
 TECH 393 Technology in World Civilization (4)

Supporting Courses

CHEM 151 General Chemistry (5)
 CSCD 255 C Programming for Engineers (5)
 ENGL 205 Introduction to Technical Communication (5)
 MATH 161 Calculus I (5)
 MATH 162 Calculus II (5)
 MATH 163 Calculus III (5)
 MATH 231 Linear Algebra (5)
 MATH 241 Calculus IV (5)
 MATH 347 Introductory Differential Equations (4)
 MATH 380 Elementary Probability and Statistics (5)
 or MATH 385 Probability and An Introduction to Statistics (4)
 PHYS 151 General Physics I (4)
 PHYS 152 General Physics II (4)
 PHYS 153 General Physics III (4)
 PHYS 161 Mechanics Lab (1)
 PHYS 162 Heat and Optics Lab (1)
 PHYS 163 Instrumentation Lab I (1)
 PHYS 164 Instrumentation Lab II (1)
 PHYS 221 Physics IV (4)
 PHYS 401 Electromagnetism I (4)

Electrical Engineering electives

8–10 credits chosen from the following list:

ENGR 360 Hardware Description Languages (4)
 ENGR 450 Power Systems (5)
 ENGR 460 Computing Systems: Organization and Design (4)
 ENGR 461 Embedded System Design (4)
 ENGR 470 Control Systems (5)

Required program credits

68 credits

Supporting credits

72–73 credits

Electrical engineering elective credits

8–10 credits

Minimum total credits for above degree

148 credits

Note: Including University requirements, the above program requires a minimum of 180 credits, or an average of 15 credits per quarter for a 12 quarter, four-year program. The 180 credits are based upon the following assumptions:

- Students will enter EWU prepared to take calculus. If this assumption is not true then the student will have to complete MATH 105, *Precalculus I*, 5 credits and MATH 106, *Precalculus II*, 5 credits.
- Students will have satisfied University Competencies. If this assumption is not true, then the student will have to complete up to six more credits of classes. (See University Competencies in this catalog.)

Mechanical Engineering Technology (134–141 credits)

This degree combines studies of Mathematics, Computer Science, Physics and Engineering Technology. The Mechanical Engineering Technology curriculum (accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology 111 Market Place, Suite 1050, Baltimore, MD 21202; telephone (410) 347-7700) includes courses fundamental to Mechanical Engineering technology with an emphasis on applications. Before graduation each student will participate in a design project or an internship in industry to gain industrial experience during his or her academic career before employment. The emphasis of this program is the application of engineering principles to the solution of practical problems. MET graduates are in great demand and are employed in a variety of interesting, high-tech careers throughout the state and region. Employment opportunities are available in mechanical design, industrial engineering technology, industrial management, manufacturing, CADD, applied research, and sales and service.

Required Courses

ENGR 110 Engineering Graphics (5)
 TECH 208 Survey of Electricity (4)
 TECH 301 Metallic Processes (5)
 TECH 317 Computer-Aided Drafting (4)
 TECH 340 Statics (4)
 TECH 341 Strength of Materials (4)
 TECH 342 Dynamics (4)
 TECH 353 Industrial Materials (5)
 TECH 380 Thermodynamics (4)
 TECH 382 Fluid Mechanics (4)
 TECH 385 Robotics and Automated Systems (4)
 TECH 393 Technology in World Civilization (4)
 TECH 403 Computer-Aided Design and Project Management (4)
 TECH 405 Design of Machine Elements (4)
 TECH 490 Senior Capstone: Production Laboratory (4)
 TECH 491 Senior Project (6)

Supporting Courses

ECON 100 General Education Economics (5)
 or ECON 200 Introduction to Microeconomics (5)
 and ECON 201 Introduction to Macroeconomics (5)
 CMST 200 Introduction to Speech Communication (4)
 CSCD 255 C Programming for Engineers (5)
 ENGL 205 Introduction to Technical Communication (5)
 MATH 161 Calculus I (5)
 MATH 162 Calculus II (5)
 PHYS 131 Introductory Physics I (4)
 or PHYS 151 General Physics I (4)
 PHYS 132 Introductory Physics II (4)
 or PHYS 152 General Physics II (4)
 PHYS 133 Introductory Physics III (4)
 or PHYS 153 General Physics III (4)
 PHYS 161 Mechanics Lab (1)
 PHYS 162 Heat and Optics Lab (1)
 PHYS 163 Instrumentation Lab I (1)
 Science Elective (Chemistry) with a lab (5)

Electives (from the following areas)

Math electives (typically MATH 105 and 106) (8–10)

Technology electives (8)

Select electives from mathematics and technology departments in consultation with departmental advisor.

Total required credits

69 credits

Minimum total supporting credits

49–54 credits

Minimum total mathematics elective credits

8–10 credits

Total technology elective credits

8 credits

Minimum total credits for above degree

134–141 credits

Note: Including University requirements for the degree the above program requires a minimum of 186 credits or an average load of 15.5 credits per quarter, for a 12 quarter, four-year program. The 186 credits are based on the following assumption:

- Students have had one year of high school drafting. If this assumption is not true, then the student will have to take TECH 100, *Engineering Drafting I*, 4 credits.

Technology with Applied Technology Option (110–111 credits)

This program is designed for students who have graduated with an associate degree in applied arts and sciences (AAAS), associate degree in applied science (AAS), associate degree in technical arts (ATA) in computer technology, electronics technology, mechanical engineering technology, civil engineering technology, drafting/design technology and similarly named programs at community colleges. This degree allows these students to continue their education by taking liberal arts courses, additional advanced technology courses, and supporting courses to complete a Bachelor of Science Degree.

EWU Course work

TECH 330 Technology Problem Analysis and Design I (3)
TECH 331 Technology Problem Analysis and Design II (3)
TECH 360 Publishing for Print and the World Wide Web (4)
TECH 393 Technology in World Civilization (4)
TECH 403 Computer-Aided Design and Project Management (4)
TECH 462 Industrial Safety Engineering (4)
TECH 490 Senior Capstone: Production Laboratory (4)
or ITGS 400 Interdisciplinary Senior Capstone (4)
TECH 491 Senior Project (4)
TECH 495 Internship (10)
TECH 498 Seminar: Engineering Economic Analysis (2)
TECH 498 Seminar: Engineering Ethics, Contracts, Patents (2)
TECH 498 Seminar: Environmental Engineering (2)
Upper division Cultural and Gender Diversity Course (4–5)

Course work from EWU or Approved Community College Course work (60 credits)

College Course Work

ENGL 101 College Composition: Exposition and Argumentation (5)
ENGL 201 College Composition: Analysis, Research, and Documentation (5)

Math Requirement

Must meet EWU Math proficiency requirements with a course or courses equivalent to EWU MATH 105 and MATH 106 or MATH 115, plus one additional 5 credit course equivalent to any EWU math course above math proficiency.

Supporting Science Requirement

15 credits total including:

- 1) 5 credits in PHYSICS in a course equal to any EWU physics course meeting general science requirements
- 2) 5 credits in a physical science
- 3) 5 credits in a general science in any course equivalent to an EWU approved general science course

Humanities and Fine Arts and Social Sciences: 25 credits

Upper division substitutions may be made for 15 credits—See departmental list

EWU course work credits

50–51 credits

College course work credits

60 credits

Minimum credits for above option

110 credits

Note: Entrance into this program requires an AAS, AAAS, ATA or similar degree in an approved area from an accredited two-year college. Applicants must have a 2.5 GPA for the Technology course work in the AAS, AAAS, ATA degree. Graduation requires maintaining an overall GPA of 2.5 for this option.

Note: This program requires an average of 18.33 credits per quarter to complete in 2 years.

Technology with Construction Option (121 credits)

The construction option focuses on selected areas of technology, physics, business management and math, emphasizing courses such as engineering graphics and architecture. This concentration prepares graduates to enter and progress in supervisory or management positions in the construction industry. Initial employment may be as an estimator, laboratory technician in materials testing, construction inspector or field engineer.

Required Courses

ENGR 110 Engineering Graphics (5)
TECH 208 Survey of Electricity (4)
TECH 301 Metallic Processes (5)
TECH 317 Computer-Aided Drafting (4)
TECH 320 Non-Metallic Processes (5)
TECH 335 Architecture (4)
TECH 340 Statics (4)
TECH 341 Strength of Materials (4)
TECH 353 Industrial Materials (5)
TECH 393 Technology in World Civilization (4)
TECH 403 Computer-Aided Design and Project Management (4)
TECH 406 Welding Technology (4)
TECH 462 Industrial Safety Engineering (4)
TECH 490 Senior Capstone: Production Laboratory (4)
TECH 495 Internship (in field of construction estimating) (3)

TECH 495 Internship (in field of construction techniques) (3)
TECH Elective (4)

Supporting Courses

ACCT 251 Principles of Financial Accounting (5)
CHEM 121 Chemistry and Its Role in Society (5)
or CHEM 151 General Chemistry (5)
CMST 200 Introduction to Speech Communication (4)
ENGL 205 Introduction to Technical Communication (5)
MGMT 120 The World of Business (5)
MATH 105 Precalculus I (5)
MATH 106 Precalculus II (5)
PHYS 131 Introductory Physics I (4)
PHYS 161 Mechanics Lab (1)

Choose 12 credits from the following:

ACCT 261 Business Law (4)
HUMR 328 Personnel Management (4)
MGMT 326 Organization Theory and Behavior (4)
MKTG 310 Principles of Marketing (4)
OPSM 330 Operations Management (4)

Required program credits

70 credits

Supporting credits

51 credits

Total credits for above option

121 credits

Note: The Business and Management credits listed here will apply to a minor in Business Administration.

Note: Including University requirements, the above program requires a minimum of 180 credits or an average of 15 credits per quarter for a 12 quarter, four-year program. The 180 credits are based upon the following assumptions:

- Students have had one year of high school drafting. If this assumption is not true, then the student will have to take TECH 100, *Engineering Drafting I*, 4 credits.
- Students will have satisfied University Competencies. If this assumption is not true, then the student will have to complete up to six more credits of classes. (See University Competencies in this catalog.)

Technology with Design Option (112 credits)

The design option prepares the graduate for placement in the world of manufacturing. A student graduating with this option should have mastered the basic skills appropriate for the design, development, manufacturing and sale of consumer products. Students should enter the labor force at the middle-management level. The breadth of preparation in the design option provides a broad foundation from which to build and progress.

Required Courses

ENGR 110 Engineering Graphics (5)
TECH 208 Survey of Electricity (4)
TECH 301 Metallic Processes (5)
TECH 317 Computer-Aided Drafting (4)
TECH 320 Non-Metallic Processes (5)
TECH 340 Statics (4)
TECH 341 Strength of Materials (4)
TECH 353 Industrial Materials (5)
TECH 393 Technology in World Civilization (4)
TECH 402 Machine Tool I (5)
TECH 403 Computer-Aided Design and Project Management (4)
TECH 405 Design of Machine Elements (4)
TECH 458 Quality Assurance (4)
TECH 462 Industrial Safety Engineering (4)
TECH 490 Senior Capstone: Production Laboratory (4)
TECH Electives (8)

Supporting Courses

CHEM 121 Chemistry and Its Role in Society (5)
or CHEM 151 General Chemistry (5)
CMST 200 Introduction to Speech Communication (4)
ENGL 205 Introduction to Technical Communication (5)
MGMT 120 The World of Business (5)
MATH 105 Precalculus I (5)
MATH 106 Precalculus II (5)
PHYS 131 Introductory Physics I (4)
PHYS 132 Introductory Physics II (4)
PHYS 161 Mechanics Lab (1)
PHYS 162 Heat and Optics Lab (1)

Required program credits

73 credits

Supporting credits

39 credits

Total credits for above option

112 credits

Note: The above major can be completed in 180 credits, based upon the following assumptions:

- a. Students have had one year of high school drafting. If this assumption is not true, then the student will have to take TECH 100, Engineering Drafting I, 4 credits.
- b. Students will have satisfied University Competencies. If this assumption is not true, then the student will have to complete up to six more credits of classes. (See University Competencies in this catalog.)

Technology with Electronics Option (136-138 credits)

In addition to a core of technology courses, the electronics option allows a student to concentrate on electronic equipment design, operation and application. The primary objective of the electronics option is to prepare graduates to enter and progress in business and industrial positions requiring knowledge of electronics theory and application. As technologists, they often provide the interface between engineering and production operations in modern industry.

Required Courses

- ENGR 110 Engineering Graphics (5)
- ENGR 160 Digital Circuits (4)
- ENGR 250 Digital Hardware (2)
- ENGR 260 Microcontroller Systems (4)
- TECH 208 Survey of Electricity (4)
- TECH 308 Circuit Analysis (4)
- TECH 355 Computer-Aided Design For Electronics (4)
- TECH 377 Microprocessors II (4)
- TECH 385 Robotics and Automated Systems (4)
- TECH 393 Technology in World Civilization (4)
- TECH 408 Electronics (4)
- TECH 409 Radio and Communication Electronics (4)
- TECH 416 Data Communications (4)
- TECH 425 Computer Architecture and Design (4)
- TECH 458 Quality Assurance (4)
- TECH 490 Senior Capstone: Production Laboratory (4)
- TECH approved electives (12)

Supporting Courses Requirement

- CMST 200 Introduction to Speech Communication (4)
- ENGL 205 Introduction to Technical Communication (5)
- MATH 105 Precalculus I (5)
- MATH 106 Precalculus II (5)
- MGMT 326 Organization Theory and Behavior (4)
- PHYS 131 Introductory Physics I (4)
- PHYS 132 Introductory Physics II (4)
- PHYS 133 Introductory Physics III (4)
- PHYS 161 Mechanics Lab (1)
- PHYS 162 Heat and Optics Lab (1)
- PHYS 163 Instrumentation Lab I (1)
- CHEM Elective (must have a lab) (5)
- CSCD Electives (two quarters of computer programming) (8-10)
- MATH and Science Electives (10)

Required program credits	63 credits
TECH elective credits	12 credits
Supporting credits	61-63 credits
Minimum total credits for above Option	136 credits

Note: Including University requirements, the above program requires a minimum of 180 credits, or an average of 15 credits per quarter for a 12 quarter, four-year program. The 180 credits are based upon the following assumptions:

- a. Students have had one year of high school drafting. If this assumption is not true, then the student will have to take TECH 100, Engineering Drafting I, 4 credits.
- b. Students will have satisfied University Competencies. If this assumption is not true, then the student will have to complete up to six more credits of classes. (See University Competencies in this catalog.)

Technology with Manufacturing Option (115 credits)

The manufacturing option focuses on selected areas of technology, science and business. Robotics, computer aided drafting and business management are among the courses emphasized. This option prepares the student to enter and progress in industry in a variety of areas including, quality assurance, inventory control, production line supervision or process management.

Required Courses

- ENGR 110 Engineering Graphics (5)
- TECH 208 Survey of Electricity (4)
- TECH 301 Metallic Processes (5)
- TECH 317 Computer-Aided Drafting (4)
- TECH 320 Non-Metallic Processes (5)
- TECH 353 Industrial Materials (5)
- TECH 385 Robotics and Automated Systems (4)
- TECH 393 Technology in World Civilization (4)
- TECH 402 Machine Tool I (5)
- TECH 403 Computer-Aided Design and Project Management (4)
- TECH 406 Welding Technology (4)
- TECH 430 Machine Tool II (5)
- or TECH 321 Design and Fabrication of Non-Metallic Products (5)
- TECH 458 Quality Assurance (4)
- TECH 462 Industrial Safety Engineering (4)
- TECH 490 Senior Capstone: Production Laboratory (4)
- TECH Electives (8)

Supporting Courses

- ACCT 251 Principles of Financial Accounting (5)
- CHEM 121 Chemistry and Its Role in Society (5)
- or CHEM 151 General Chemistry (5)
- CMST 200 Introduction to Speech Communication (4)
- ENGL 205 Introduction to Technical Communication (5)
- MGMT 120 The World of Business (5)
- PHYS 100 Physical Science I (5)

Choose 12 credits from the following:

- ACCT 261 Business Law (4)
- HUMR 328 Personnel Management (4)
- MGMT 326 Organization Theory and Behavior (4)
- MKTG 310 Principles of Marketing (4)
- OPSM 330 Operations Management (4)

Required program credits	74 credits
Supporting credits	41 credits
Total credits for above Option	115 credits

Note: The Business and Management credits listed here will apply to a minor in Business Administration.

Note: Including University requirements, the above program requires a minimum of 180 credits, an average of 15 credits per quarter for a 12 quarter, four-year program. The 180 credits are based upon the following assumptions:

- a. Students have had one year of high school drafting. If this assumption is not true, then the student will have to take TECH 100, Engineering Drafting I, 4 credits.
- b. Students will have satisfied University Competencies. If this assumption is not true, then the student will have to complete up to six more credits of classes. (See University Competencies in this catalog.)

Note: Technology majors with construction, design, electronic, or manufacturing options are not accredited by the Technology Accreditation Commission of ABET.

Minor

Technology Minor (24 credits)

Required Courses (9 credits)

- ENGR 110 Engineering Graphics (5)
- TECH 393 Technology in World Civilization (4)

Electives

With prior approval of your Engineering and Design Department advisor, select Technology courses, eight credits of which must be upper-division courses.

Required program credits	9 credits
Elective credits	15 credits
Total credits for above minor	24 credits

Note: For the above minor the following assumption has been made: students have had one year of high school drafting. If this assumption is not true then the student will have to take TECH 100, Engineering Drafting I, 4 credits.

Visual Communication Design Minor (24 credits)

A minor in visual communication design will provide students with a foundation in the creative, conceptual and technical skills necessary to understand and participate in the visual communication needs of future professional practice. This minor supports endeavors in visual communication design for print and web, including effective use of text, image, color and composition.

Required Courses

TECH 216 Computer Graphics (4)
TECH 263 Visual Communication Design I (4)
TECH 363 Visual Communication Design II (4)
*TECH 393 Technology in World Civilization (4)

Choose 2 courses from the following list:

TECH 343 Typography (4)
TECH 360 Publishing for Print and The World Wide Web (4)
TECH 366 Electronic PrePress Production (4)
TECH 368 Introduction to Web Page Design (4)
TECH 369 Advanced Web Design (4)
TECH 463 Visual Communication Design III (4)

* *Tech 393 fulfills the General University Requirement for International Studies.*

Required program credits

Elective credits

Total credits for above minor

16 credits

8 credits

24 credits

GRADUATE PROGRAM

Engineering and Design offers courses that students may use as part of a degree in communications, multimedia programming, and other interdisciplinary areas. These programs are listed in their respective graduate catalog sections.

Engineering Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

ENGR 110**Engineering Graphics (5)**

FALL/WINTER

Prerequisites: TECH 100, two semesters of high school drafting or equivalent.

A study of the technical portion of the graphics language. This language, technical drawing, is used by engineers to communicate proposed designs and new ideas. Includes the theory and practice of descriptive geometry and the graphic representation of data. (3 hours lecture, 4 hours laboratory per week)

ENGR 160**Digital Circuits (4)**

FALL/WINTER/SPRING

Prerequisite: MATH 104 or equivalent.

Fundamentals of digital computer design including appropriate number systems, boolean algebra and basic digital circuits. Methods introduced will include the use of Karnaugh Maps and the Quine-Mccluskey procedure. Computer laboratory work will involve the use of current software for the design, analysis and simulation of digital circuits.

ENGR 209**Circuit Theory (5)**

Prerequisites: MATH 161; PHYS 153 or permission of the instructor.

This course is intended to provide electrical engineering students with solid understanding of electricity and its applications. Topics include AC/DC circuit-analysis methods such as nodal and mesh analysis, superposition, Norton and Thevenin theorems. Transient analysis is also introduced.

ENGR 210**Circuits II (5)**

Prerequisites: MATH 163 and ENGR 209.

Circuits II investigates small signal analysis, dc operating point, first-order circuits, second-order circuits, circuit simulation methods, sinusoidal steady state, phasors, poles and zeros of network functions, ideal transformed linear and non-linear two-port networks.

ENGR 240**Statics (4)**

Prerequisites: PHYS 151, MATH 161 or Technical Calculus I or equivalent.

Fundamentals of applied mechanics, equivalent force systems, equations of equilibrium, structures, three dimensional force systems and friction. (2 hours lecture, 4 hours laboratory per week)

ENGR 241**Strength of Materials (4)**

Prerequisites: ENGR 240, MATH 162, PHYS 152, or Technical Calculus II or equivalent.

A study of the internal stresses, internal deformations and deflections of materials. Topics may include: shear and moment diagrams for beams, combined loading on beams, temperature stresses and torsional loading. (4 hours lecture per week)

ENGR 242**Dynamics (4)**

Prerequisite: ENGR 240.

Kinematics and kinetics of particles and rigid bodies using vector analysis; force mass acceleration, work and energy, impulse and momentum, translating and rotating coordinate system. (4 hours lecture per week)

ENGR 250**Digital Hardware (2)**

WINTER/SPRING

Prerequisite: ENGR 160.

A continuation of ENGR 160, this course presents logic families, hardware characteristics, noise control and modern programmable logic.

ENGR 260**Microcontroller Systems (4)**

WINTER

Prerequisite: ENGR 160 or permission of the instructor. This is an introductory course on microprocessor and microcontroller systems organization. It provides low-level programming principles of a single-board microcomputer. The course emphasizes assembly language programming techniques and laboratory experiments in input/output programming, memory organization, interrupts and interfacing methods.

ENGR 320**Signals and Systems I (5)**

Prerequisite: ENGR 210.

Introduction to continuous-time signal analysis. Generalized functions and its relation to basic signals including impulses, pulses, unit step. Fourier analysis including Fourier series and transforms both in the discrete and continuous domain. Periodic signals. Convolution operator.

ENGR 321**Signals and Systems II (5)**

Prerequisite: ENGR 320.

Introduction to Laplace Transform, Z-transform, the Fourier Series, the Fourier Transform, the Discrete Fourier Transform (DFT), the Discrete-Time Fourier Transform (DTFT) and Sampling Theorem. Introduction to analysis of Linear Time Invariant (LTI) system using above techniques for continuous and discrete time.

ENGR 330**Electronics I (5)**

Prerequisites: MATH 163, PHYS 153, ENGR 210.

Electronics I is the first course in modeling, characterization and application of semiconductor devices and integrated circuits. Development of models for circuit-level behavior of diodes, bi-polar and field effect transistors and non-ideal op-amps. Application in analysis and design of linear amplifiers. Frequency domain characterization of transistor circuits.

ENGR 331**Electronics II (5)**

Prerequisite: ENGR 330.

Electronics II is the second course in modeling and application of semiconductor devices and integrated circuits. Advanced transistor amplifier analysis, including feedback effects. Design for power amplifiers, op-amps, analog filters, oscillators, A/D and D/A converters and power converters.

ENGR 350**Energy Systems (5)**

Prerequisites: ENGR 210 and PHYS 401.

This course provides an introduction to the different energy sources, methods of electric energy conversion, the electric power system, transformers and electrical machines.

ENGR 360**Hardware Description Languages (4)**

Prerequisites: ENGR 160; CSCD 255 or permission of the instructor.

This course introduces methodologies and computer-aided design (CAD) tools for the design of complex electronic systems. Emphasis is on high-level description languages and their use for specifying, designing, simulating and synthesizing digital very large scale integration (VLSI) circuits in metal-oxide-semiconductor (MOS) technologies. Special attention will be devoted to verilog hardware description language (VHDL). Theoretical knowledge will be complemented by hands-on use of several commercial CAD tools.

ENGR 420**Digital Signal Processing (5)**

Prerequisite: ENGR 321.

This course provides an introduction to digital signal processing. Convolution, time invariance and stability of discrete-time systems are presented. In addition, various signal processing techniques such as Z-transform, discrete Fourier transform (DFT) and fast Fourier transform (FFT) are studied. Time and frequency domain techniques for designing and applying infinite impulse response (IIR) and finite impulse response (FIR) digital filters are introduced.

ENGR 430**CMOS Integrated Circuits Design (5)**

Prerequisites: ENGR 160; ENGR 330 or permission of the instructor.

This course provides students with the theoretical and practical knowledge required for analyzing and designing very large scale integration (VLSI) circuits and systems in complementary metal-oxide-semiconductor (CMOS) technology. Lab includes hands-on use of a variety of state-of-the-art computer-aided design (CAD) tools and design techniques.

ENGR 440**Digital Communication Systems (5)**

Prerequisite: ENGR 321.

This course provides students with a solid background in modern digital communication systems. Random processing is applied in the realm of communication theory. Common digital modulation and demodulation techniques are presented. Other topics include bandpass transmission of binary data, coherent/noncoherent communications, intersymbol interference and equalization.

ENGR 450**Power System Analysis (5)**

Prerequisite: ENGR 350.

The course provides students with the ability to analyze power systems from technical and economic perspectives. It includes symmetrical components, calculation of line parameters, power flow control, representation of transmission lines and power components.

ENGR 460**Computing Systems: Organization & Design (4)**

Prerequisites: ENGR 260; CSCD 255 or permission of the instructor.

The aim of this course is to provide students with the theoretical and practical knowledge required for analyzing and designing complex computing systems. Emphasis is on the impact that the organization and interfacing of hardware/software components have on system performance.

ENGR 461**Embedded System Design (4)**

Prerequisites: ENGR 260; CSCD 255 or TECH 377 or permission of the instructor.

The aim of this course is to provide students with the theoretical and practical knowledge required for analyzing and designing embedded computing systems. The key challenge is to optimize the various design metrics and the impact that the organization and interfacing of hardware/software components have on system performance.

ENGR 470**Control Systems (5)**

Prerequisite: ENGR 321.

This course reviews basic topics such as transfer function, step response and stability conditions. Other topics include feedback systems, analysis techniques such as root-locus analysis, transient and steady-state response analyses and frequency response analysis are studied. In addition, state-space analysis techniques are explained within the context of state-space system models. Analysis and design of proportional, integral, and derivative (PID), PI and PD controllers are presented.

ENGR 490**Senior Capstone: Design Laboratory (4)***[satisfies senior capstone university graduation requirement.]*

Prerequisites: Senior standing and ENGR 331 or TECH 408.

This course will simulate the industrial environment, where students will have to work in a team to solve a real world problem, from design to implementation. Team dynamics will be strictly monitored and each student's unique skills will be utilized in different stages of the design process. Dealing with problems typical of a team environment will result in an invaluable learning experience both in the professional and civic lives of the students.

Technology Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

TECH 100**Engineering Drafting I (4)**

Graded Pass/Fail.

FALL/WINTER/SPRING

Fundamentals of graphically describing the size and shape of objects. This course will not satisfy elective requirements for a major or minor in Technology. (2 hours lecture, 4 hours laboratory per week)

TECH 208**Survey of Electricity (4)**

FALL

Prerequisite: Basic skills clearance in mathematics.

Introduces the student to direct current, alternating current (including residential wiring) and amplifying devices. (3 hours lecture, 2 hours laboratory per week)

TECH 216**Computer Graphics (4)**

FALL/WINTER/SPRING

Prerequisite: Computer Literacy.

Introduction to computer graphics techniques including the creation and manipulation of images and illustrations, file conversion and preparation of graphics for printing, web design or multimedia uses.

TECH 263**Visual Communication Design I (4)**

FALL/SPRING

Prerequisites: Computer Literacy

This course provides an introduction to Visual Communication Design including the theories, principles and practices of visual communication, concept development, design process and design technology. Through lecture, discussion and design-oriented projects, students develop a visual and verbal vocabulary that serves as a common foundation for further study.

In order to receive the Visual Communication Design degree, students must earn at least a 3.0 grade in this class. This is in addition to the department requirement of 2.5 GPA in all TECH course work.

TECH 277**Microprocessors I (4)**

Course fee.

Prerequisite: ENGR 160

Microprocessors I is focused on low level programming (assembly) language on the principles of a single-board microcontroller. The course emphasizes assembly language programming techniques and introduces input/output problems and the use of a microcomputer development system.

TECH 299**Special Studies (1-6)**

FALL/WINTER/SPRING/SUMMER

TECH 301**Metallic Processes (5)**

FALL

Prerequisite: MATH 105.

Metallic Processes is a comprehensive basic course in technical metals which is designed to survey metalworking materials and processes which have been developed by modern industry. The course provides opportunity to learn the theories and scientific principles basic to the application of metalworking tools and procedures. (3 hours lecture, 4 hours laboratory)

TECH 304**Aviation (5)**

Prerequisite: MATH 104 or permission of the instructor.

An introduction to aviation history, careers, aerodynamics, aircraft systems, meteorology, navigation and the air traffic control system. Satisfies FAA requirements for Private Pilot Ground School.

TECH 308**Circuit Analysis (4)**

WINTER

Prerequisite: TECH 208.

Introduces direct current theorems (Thevenin, Kirchhoff, superposition) and alternating current tools (phasors, time constants, sinusoids). Uses these tools for ac and dc circuit design. (3 hours lecture, 2 hours laboratory per week)

TECH 317**Computer-Aided Drafting (4)**

FALL/SPRING

Prerequisite: ENGR 110 or equivalent.

Using the computer to draft mechanical, electrical, and architectural drawings in 2- and 3-dimensions. File management methods, job management methods and macro development techniques are discussed. (3 hours lecture, 3 hours laboratory per week)

TECH 320**Non-Metallic Processes (5)**

FALL

Prerequisite: ENGR 110.

Survey of non-metallic materials (such as woods, plastics and ceramics) and the industrial processes utilized to convert raw materials into finished products. Course includes characteristics and properties of non-metallic materials and utilization of industrial tools and processing equipment. (3 hours lecture, 4 hours laboratory per week)

TECH 321**Design and Fabrication of Non-Metallic Products (5)**

Prerequisites: ENGR 110, TECH 320.

An advanced study of design and fabrication principles in the development of non-metallic products such as woods, plastics and ceramics. (3 hours lecture, 4 hours laboratory per week)

TECH 330**Technology Problem Analysis and Design I (3)**

FALL

Prerequisites: CPLA 101 and junior standing or permission of the instructor.

Development of advanced skills in technical problem analysis, planning, research, solution strategies, critical thinking and presentation. Computer-aided design tools such as CAD, project-planning software, spreadsheets, as well as imaging and publishing software, will be used. Emphasis will be on consideration of interconnected systems.

TECH 331**Technology Problem Analysis and Design II (3)**

WINTER

Prerequisite: TECH 330.

Development of student's synthesis, design, organizational and learning skills through examination of current research and/or design topics in Technology.

TECH 335**Architecture (4)**

WINTER

Prerequisite: ENGR 110.

Design, layout and development of residential dwellings and large structures. (4 hours lecture per week)

TECH 340**Statics (4)**

FALL

Prerequisites: PHYS 131 and MATH 106 or equivalent.

A study of applied mechanics, and the principles of statics dealing with forces and with the effects of forces acting upon rigid bodies at rest. (4 hours lecture per week)

TECH 341**Strength of Materials (4)**

WINTER

Prerequisite: TECH 340.

A study of the relationship that exists between externally applied forces and internally induced stresses in members and parts, including the relationship existing between these same externally applied forces and the resulting deformations. (4 hours lecture per week)

TECH 342**Dynamics (4)**

WINTER

Prerequisite: TECH 340.

A study of the motion of rigid bodies and forces affecting their motion. Topics include: kinematics and kinetic of motion, curvilinear motion, plane motion, work, energy and power, impulse and momentum. (4 hours lecture per week)

TECH 343**Typography (4)**

Prerequisite: TECH 263.

An intermediate-level course concentrating on the fundamentals of typography with emphasis on letterforms, typographic syntax, type specification, type as image and the use of type in a variety of communicative purposes. Projects allow students to explore issues of form and meaning, hierarchy, legibility and readability, structure and composition and the design process. This introduction to typography serves as a foundation for students from which to study other aspects of visual communication design in subsequent courses. In addition, typographic history and theory are also discussed.

TECH 345**Technical Illustration (4)**

Prerequisites: ENGR 110 and TECH 216.

Drafting, rendering and computer techniques used in the development of illustrations for advertisements, technical manuals and other publications. (3 hours lecture, 3 hours laboratory per week)

TECH 350**Digital Imaging and Photography (4)**

SPRING

Prerequisite: CPLA 101 or CPLA 120.

This introductory course teaches beginning photographers how to improve their photographic technique, use digital cameras for effective visual communication and edit images with professional software tools. Working with their own digital cameras students will practice professional shooting strategies and produce weekly practical and creative photo assignments. Topics include camera theory; digital formats; composition basics; composing within the frame; using natural and artificial lighting; texture, shape, form and line in the photograph; framing with foreground elements; digital darkroom techniques; repair and retouching; compositing, portraiture, scenic and nature photography; product photography, action photography and close-up photography.

TECH 351**Advanced Photography (4)**

Prerequisite: TECH 350.

An extension of TECH 350 with considerable work in advanced enlarging techniques portraiture with emphasis on lighting, architectural photography, slidemaking, color transparencies and color prints.

TECH 353**Industrial Materials (5)**

SPRING

Prerequisite: CHEM 121 or equivalent.

A study of basic factors influencing properties and selection of materials. Laboratory work includes destructive and non destructive testing and image analysis of microscopic structure of industrial materials.

TECH 355**Computer-Aided Design for Electronics (4)**

WINTER

Prerequisites: ENGR 110, 160, and TECH 208 or permission from instructor.

Using a computer for (a) schematic entry, (b) digital simulation, (c) PCB layout and (d) analog simulation. (3 hours lecture, 2 hours laboratory per week)

TECH 359**History of Design (4)**

Prerequisites: None.

This course considers the development of design in the broad sense of the term. Beginning with the Industrial Revolution and continuing forward to the present day, this course explores the components of design that have influenced the direction of design thinking. Various design disciplines will be studied in terms of their historical development, cultural significance, theoretical components, and their

translation and application within contemporary concepts of design. Students develop an understanding of these concepts through lecture, research, writing and presentations.

TECH 360**Publishing for Print and The World Wide Web (4)**

FALL/WINTER/SPRING

Prerequisites: CPLA 101 or 120.

This course covers basic principles of design, typography and the use of graphic files in both print and web design. Professional desktop publishing software and common web design software will be used. Emphasis is on skills required for basic literacy as well as effective design in common formats such as brochures, newsletters, books and web pages.

TECH 363**Visual Communication Design II (4)**

FALL/SPRING

Prerequisite: TECH 263 and TECH 216.

This course focuses on the interaction of type and image in the visual communication design process. An introduction to form and composition will be achieved through a sequence of design projects that will emphasize compositional structure. Projects explore the interactions of type and image while also considering content. The goal of class projects is the development of complex, cohesive visual systems.

In order to receive the Visual Communication Design degree, students must earn at least a 3.0 grade in this class. This is in addition to the department requirement of 2.5 GPA in all TECH course work.

TECH 366**Electronic Prepress Production (4)**

WINTER

Prerequisite: TECH 263.

This course will provide students with theory, knowledge and skill of professional prepress production processes as applied in the professional print production industries. Students will gain conceptual understanding and practical skill in process color theory, production, editing and separation on the computer. Students will learn to professionally produce and edit text, graphic and continuous-tone photographic images using computer software applications. (3 hours lecture, 2 hours laboratory)

TECH 368**Introduction to Web Page Design (4)**

FALL/WINTER

Prerequisites: Computer Literacy and TECH 216.

The course covers professional methods for conceptualizing, designing, producing, publishing, transmitting and accessing information over the Internet or local area networks. Students design and produce web pages incorporating text, still graphics, animated graphics and audio. Emphasis is on effective visual and logical communication designs.

TECH 369**Advanced Web Design (4)**

Prerequisite: TECH 368.

Principles of planning, design, production and delivery of World Wide Web pages using current industry software. Emphasis will be on static, animated and interactive graphics, as well as realistic problems with increased complexity, and the creation of effective designs.

TECH 370**Kinematic Analysis (4)**

Prerequisites: ENGR 110 and 342.

Motion transfer; displacements, velocity, acceleration and inertia forces in machines; static and dynamic force systems; cam profiles; gears and gearing systems. (3 hours lecture, 3 hours laboratory per week)

TECH 373**Introduction to Multimedia Design (4)**

Prerequisite: TECH 216.

Principles of planning, design, layout, production and delivery of multimedia products. Students will use a variety of software applications to create electronic documents incorporating text, graphics, animation, sound, video and interactivity. Emphasis will be on planning and designing for effective communication, and on the effective use of appropriate technology such as image editing, sound editing, and video editing software and hardware.

TECH 377**Microprocessors II (4)**

SPRING

Prerequisite: TECH 277

A continuation of TECH 277 *Microprocessors I* this laboratory course is centered around the design and development of a prototype industrial system. It covers additional input/output, programming and interfacing methods.

TECH 380**Thermodynamics (4)**

FALL

Prerequisites: PHYS 133, MATH 162 or Technical Calculus II or equivalent.

Properties of materials, work, heat, conversion of energy, conversion of mass and energy transformation process. Emphasis on application of the first and second laws to engineering systems. (3 hours lecture, 2 hours laboratory per week)

TECH 382**Fluid Mechanics (4)**

SPRING

Prerequisites: PHYS 133 and MATH 162 or Technical Calculus II or equivalent.

Theory, concepts and usage of the basic laws of fluid mechanics. Conversion of mass, momentum and energy. Studies involve compressible and incompressible flow. (3 hours lecture, 2 hours laboratory per week)

TECH 385**Robotics and Automated Systems (4)**

WINTER

Prerequisite: TECH 208 or permission of the instructor.

A study of the various electrical and mechanical systems used in robotics and other automated industrial systems. Includes automated equipment programming and industrial planning as applied to automated systems. (3 hours lecture, 2 hours laboratory per week)

TECH 390**Methods and Techniques in Technology Education (5)**

Prerequisite: Required course in one of the Technology major's options.

The planning of technical facilities, methods, techniques and instructional media in teaching industrial and technical subjects. (5 hours lecture per week)

TECH 392**Introduction to Computer Hardware and Troubleshooting (5)**

Prerequisite: Computer literacy or permission of the instructor.

This hands-on course provides students with a sound understanding of the basic principles behind the art of repairing and maintaining personal computers (PC) based on the INTEL family of microprocessors. The course emphasis is on understanding the hardware structure of a computer and on learning how to install software and hardware including peripheral devices such as I/O devices, video cards, network cards and memory.

TECH 393**Technology in World Civilization (4)**

FALL/WINTER/SPRING

[satisfies international studies university graduation requirement.]

Prerequisite: ENGL 101.

Students will investigate the issues surrounding technological change in discrete cultural settings with a historical perspective of the evolution of technology in a global context.

TECH 402**Machine Tool I (5)**

WINTER

Prerequisites: ENGR 110 and TECH 301.

A comprehensive course in machine tool operations, both conventional and CNC. Course includes cutting operations, precision measurement, set up and CNC programming. (3 hours lecture, 4 hours laboratory per week)

TECH 403**Computer-Aided Design and Project Management (4)**

FALL

Prerequisites: (MATH 106 or permission of the instructor) and TECH 317.

The application of spreadsheets to solve engineering problems, technical graphs, trending and curve fitting. The introduction to the use of computer-aided scheduling of projects, critical path planning, project tracking and cost collection. (3 hours lecture, 3 hours laboratory per week)

TECH 405**Design of Machine Elements (4)**

SPRING

Prerequisite: TECH 341.

Application of the principles of mechanics to problems of design of mechanisms and machine components. (4 hours lecture per week)

TECH 406**Welding Technology (4)**

WINTER

Prerequisite: TECH 301 or permission of the instructor.

Theory and practice of welding ferrous and nonferrous metals. Practice in oxyacetylene, shielded metal arc and inert gas processes. (4 hours lecture, 4 hours laboratory per week)

TECH 408**Electronics (4)**

SPRING

Prerequisite: TECH 308 or permission of the instructor. Introduction to electronics emphasizing solid-state devices and circuits. (3 hours lecture, 3 hours laboratory per week)

TECH 409**Radio and Communication Electronics (4)**

FALL

Prerequisite: TECH 408 or permission of the instructor. Basic principles of radio electronics. (3 hours lecture, 2 hours laboratory per week)

TECH 416**Data Communications (4)**

SPRING

Prerequisites: ENGR 260 and TECH 408.

Principles of serial and parallel data transfer, interfacing and networking. (3 hours lecture, 3 hours laboratory per week)

TECH 421**Fundamentals of Network Security (4)**

Prerequisite: TECH 416 or CSCD 330.

This course is an introduction to network security. The emphasis is on network security policy design and management technologies; products and solutions; along with firewall and secure router design, installation, configuration and maintenance.

TECH 425**Computer Architecture and Design (4)**

FALL

Prerequisite: TECH 377 or permission of the instructor. This course provides students with the theoretical and practical knowledge required for analyzing and designing computing systems. Emphasis is on the impact that the organization and interfacing of hardware/software components have on system performance.

TECH 430**Machine Tool II (5)**

SPRING-EVEN YEARS

Prerequisites: TECH 301 and 402.

Application and theory in the design, development and function of tooling, dies, molds, jigs, and fixtures. Laboratory experiences provide a problem solving approach to development of prototypes in both unit and mass production applications. (5 hours lecture, 4 hours laboratory per week)

TECH 458**Quality Assurance (4)**

SPRING

Prerequisite: Junior standing.

Application and theory of quality control systems including development and use of process control charts, sampling, time and motion studies and statistical analysis. (4 hours lecture, 1 hour laboratory per week)

TECH 462**Industrial Safety Engineering (4)**

WINTER

Fundamentals of safety, classification of hazards, accident statistics, organization problems, safety codes, machine guarding, mechanical, electrical and chemical hazards, ventilation, respiratory and safety devices. (4 hours lecture per week)

TECH 463**Visual Communication Design III (4)**

SPRING

Prerequisites: TECH 263 and TECH 363.

Continued study of visual communication design, combining theoretical studies with applied projects. This course emphasizes awareness of contemporary visual culture through analysis of a wide range of design examples and continued refinement of perceptual, problem-solving and creative skills.

TECH 465**Technical Studies (1-5)**

FALL/WINTER/SPRING/SUMMER

TECH 470**Senior Exhibition (1)**

This course must be repeated three times for credit.

Prerequisites: Senior standing; permission of the instructor and the department chair.

This course entails the individual preparation and presentation of work for senior exhibition.

TECH 473**Principles of Vocational Education (4)**

Prerequisite: Junior standing.

Provides students with information on local, state and national technical education legislation policies, programs and organizations. Course work explores the interrelationship of various vocational education programs, and the purpose of the total vocational education effort. (4 hours lecture per week)

TECH 475**Technology for Elementary Teachers (3)**

Materials, construction processes, techniques, tools and equipment necessary to assist the teacher in stimulating creativity in elementary school children. (2 hours lecture, 2 hours laboratory per week)

TECH 490**Senior Capstone: Production Laboratory (4)**

FALL/SPRING

[satisfies senior capstone university graduation requirement.]

Prerequisite: Senior standing.

The course simulates the real world situation that many of the graduates from the department will face. The students will work in teams to apply techniques of production management, product design/development, plant layout, scheduling, cost accounting, assembly, inspection and quality control to produce a product. The course will simulate a real world design team concept by utilizing a design group that contains members of different program majors. The team, to accomplish its goals, is required to draw on each other's unique skills learned in stated goal. In industry often a design team is formed to develop a new product. The team is made up of members from different departments in the company. Learning to deal with the team dynamics while learning to take advantage of the synergy that can be gained by a diverse team is a valuable learning process for our business as well as civic life. Each student team is to produce a new product (to be mass produced and demonstrated by producing a minimum quantity of 25 units built with unskilled labor utilizing jigs, fixtures and/or CNC controlled machines) and create a final written report to demonstrate how the process and goals of the course have been realized.

TECH 491**Senior Project (3-10)**

WINTER/SPRING

Prerequisite: Permission of the instructor.

Independent and/or group study and implementation of a design and development project. (variable time)

TECH 493**Portfolio Review (2)**

Prerequisites: TECH 363 and TECH 463 or permission of instructor.

In this course, students have the opportunity to develop portfolio quality work and to present that work in a final "interview" with industry professionals. Emphasis is placed upon content development, problem solving, formal solutions, statements of objectives and presentation. Weekly in-depth critique sessions will provide students the opportunity to give and receive feedback, demonstrate progressions, discuss problems and elucidate processes. This is an advanced class. Students must have at least three previous projects that will serve as the focus of revisions during this course.

TECH 495**Internship (1-15)**

FALL/WINTER/SPRING/SUMMER

Graded Pass/No Credit.

(A maximum of 5 credits may be earned towards electives for a Technology major. Students considering electives for a Technology minor should consult with their departmental advisor.)

TECH 496**Experimental Course (1-6)**

FALL/WINTER/SPRING/SUMMER

TECH 497**Workshops, Short Courses, or Conferences (1-6)**

FALL/WINTER/SPRING/SUMMER

TECH 498**Seminar (1-6)**

FALL/WINTER/SPRING/SUMMER

TECH 499**Directed Study (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: Permission of the instructor.

Designed for students wanting to pursue a subject beyond the scope of regular courses.

TECH 504**Communication Technologies (4)**

An accelerated coverage of the theory and applications of communication technologies. Emphasis is on competencies and skills required in business and industry including desktop publishing, computer-assisted image generation and manipulation, data translation and communication, and presentation media development used in advertising, proposal writing, presentations, and publications.

TECH 508**Designing Web Sites (4)**

This course is designed to teach professional methods for designing, producing and publishing web pages and web sites. Students will create XHTML and XML based pages, along with still and animated graphics. Emphasis will be on working with clients, planning, developing effective visual and logical designs, optimization for search engines, effective use of color, as well as the technical tools such as code editors, image editors and FTP. Final project involves a live job if possible. Students should discuss options and criteria for the final project with the instructor.

TECH 539**Special Studies in Technology (1-5)****TECH 550****COMPUTER GRAPHICS (4)**

Prerequisite: ENGR 110.

Computer graphics hardware and software with the emphasis on computer-assisted design and graphics layout.

TECH 596**Experimental Course (1-6)****TECH 597****Workshop in Technology (1-6)**

Note: Workshop credit cannot be used to fulfill graduate degree requirements.

TECH 598**Seminar (1-6)****TECH 599****Independent Study (1-6)**

Prerequisites: Permission of the instructor and the department chair.

Course may be repeated within the six credits allowed to fulfill the student's goals and needs in specific areas.

TECH 600**Thesis (2-6)**

Independent research study under the direction of a graduate advisor committee.

TECH 601**Research Report (2-6)****TECH 695****Internship (1-6)****TECH 696****College Teaching Internship (1-5)**

Teaching a lower-division college course under supervision of a regular faculty member. Includes course planning, arranging bibliographical and instructional aids, conferences with students, experience in classroom instruction and student course evaluation.

ENGLISH

College of Arts and Letters

Dana Elder, Chair
250 Patterson Hall
(509) 359-6039

BA, BAE

Minors

English Endorsement, Language Arts Endorsement

MA, MFA

Certificate

Faculty: L. Briggs, T. Carnegie, P. Castille, D. Elder, A. Flinn, L. Greene, C. Howell, J. Jobson, G. Kenney, N. Kusz, D. Lang, S. Ligon, P. Lindboldt, J. Logan, S. McGinty, T. McHenry, R. Olafson, L. Reeves, R. Ridings, G. Smith, B. Torgerson, G. Spatz, H-Y. Steiner, C. Valeo, N. Van Winckel, P. Weller

UNDERGRADUATE PROGRAMS

The study of English is basic at all levels of education. Its focus is the understanding and use of our written language. Usually English courses have emphasized the understanding of great literary works and the writing of interpretative essays; however, increasing emphasis is now being placed on the many types of literature and on the active practice of writing, both creative and practical.

In addition to its graduate degree programs, the Department of English offers undergraduate programs for both the major and non-major student. For the undergraduate non-major it offers courses in the University Writing Program (required of all students) and literature courses in the Humanities emphasis of the General Education Core Requirements, designed to help students appreciate and better understand their cultural heritage.

Traditional and Non-Traditional Career Paths for English Majors: For the major, the curricula in English are specifically designed to help prepare students in the following fields: creative writing; technical communications; and advanced studies in language and literature. The discipline of English is also one of the most recommended pre-professional majors; the development of verbal skills, especially written expression, is of great importance to students planning graduate work in government, business, law, or librarianship.

Students with general career goals already in mind should contact the director or co-director of the program in which they may concentrate. This contact should be made as soon as possible so that a program can be best planned to suit the student's individual interests and needs.

Students who are unsure of their career goals are invited to discuss their interests with the chair or any other Department of English faculty member.

Programs closely related to English include the Humanities, Journalism and Religious Studies Programs. These programs, as well as their degree and course offerings, are listed individually in this catalog.

Special Recognition of Outstanding English Majors: Two of the University's most prestigious academic scholarships are offered by the Department of English. The Tiejie and Kleiner scholarships are awarded to English majors at the end of their junior years for use in their senior years and represent a major portion of a student's yearly expenses. Outstanding students are nominated each spring quarter by English Department faculty.

General Admissions Requirements for English: ENGL 201, or equivalent satisfaction of University Proficiencies in Writing, is a prerequisite for all 300- and 400-level English courses.

Admission into a specific major program requires the completion of a set of departmental pre-major requirements. Students intending to major in any English program must complete the appropriate pre-major before enrolling in any 300- or 400-level English course except with the approval of the chair; otherwise, students are subject to disenrollment.

Common Departmental Pre-Major:

- Complete ENGL 201, or equivalent, with at least a grade of 2.5.
- Pass ENGL 270, *Introduction to Fiction*, and ENGL 271, *Introduction to Poetry*, with a minimum grade of 2.5 in each course and at least a 3.0 average for the two courses together.

Specific programs may require a writing sample or an additional course in their pre-major beyond the common departmental pre-major requirements given above.

English majors are encouraged to register for one of the following to fulfill humanities list one:

HUMN 210 Classics in Literature (5)

HUMN 211 Masterpieces of the Western World (5)

Specific programs may require a writing sample or an additional course in their pre-major beyond the common departmental pre-major requirements given above.

Pre-Major Admission Procedure for English: Students intending to major in English should contact the department chair for an initial interview and to fill out the major declaration form. Students then meet with the director of the program they wish to enter for advising.

Foreign Language Requirements for English: Two years of a single foreign language in high school or one year of a single foreign language at the college level is required for graduation with a BA major in Creative Writing, Literary Studies or Technical Communications.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)

Creative Writing is a studio program designed to help students publish their artistic work. It is not intended to prepare a student for a specific career; however, our creative writing graduates, while publishing artistic work, have found diversified careers in editing, publishing, grant writing, teaching, professional schools and many fields less directly related to their writing abilities. Courses in technical communications are complementary to these career interests.

Students in the Creative Writing option are encouraged to register for five or more credits from the following list of General Education Core Requirements:

HUMN 210 Classics in Literature (5)

HUMN 211 Masterpieces of the Western World (5)

History courses appropriate to the student's area of literary interest.

English Major with Creative Writing Option (65 credits)

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Pre-Major Requirements

ENGL 270 Introduction to Fiction (5)

ENGL 271 Introduction to Poetry (5)

Requires a minimum grade of 2.5 in each course and at least a 3.00 average for the two courses together. (See Admission Requirements for remaining requirements for the Common Departmental Pre-Major.) This program also requires the following pre-major course:

CRWR 210 Introduction to Creative Writing (5)

Students must complete this course with a minimum grade of 3.0.

Required Literature Survey Courses

ENGL 330 Survey of British Literature through Neo-Classical Period (5)

ENGL 331 Survey of British Literature from Blake to Present (5)

ENGL 332 Survey of American Literature (5)

At least one of:

ENGL 350 Shakespeare (5)

ENGL 440 Medieval English Literature (5)

ENGL 441 Renaissance English Literature (5)

ENGL 442 Restoration and 18th Century Literature (5)

ENGL 443 Romantic Period Literature (5)

ENGL 444 Victorian Literature (5)

At least one of:

ENGL 430 American Literature to Whitman (5)

ENGL 431 American Literature: Twain to Dreiser (5)

ENGL 432 20th Century American Literature (5)

ENGL 445 20th Century British Literature (5)

Required Creative Writing Courses

CRWR 311 Form and Theory of Fiction (5)
 or CRWR 312 Form and Theory of Poetry (5)
 CRWR 417 Creative Writing Workshop (Poetry) (5)
 CRWR 417 Creative Writing Workshop (Fiction) (5)
 CRWR 491 Creative Writing Senior Thesis (5) (Cannot be taken until completion of CRWR 311 and/or CRWR 312 and two CRWR 417 workshops.)

Five additional creative writing credits selected from the following:

CRWR 311 Form and Theory of Fiction (5)
 or CRWR 312 Form and Theory of Poetry (5)
 CRWR 417 Creative Writing Workshop (Fiction, Creative Nonfiction, or Poetry) (5)
 CRWR 492 Creative Writing in the Schools (5)
 CRWR 495 Willow Springs Internship (1-3) (per quarter)
 TECH 360 Publishing for Print and the World Wide Web (4)

Pre-major requirement credits	15 credits
Literature survey credits	25 credits
Creative writing credits	25 credits
Total credits for above major	65 credits

English Major with Literary Studies Option (70 credits)

Literary Studies is a liberal arts program. It often is recommended as a pre-professional program and is the most appropriate concentration for those students hoping to pursue the study of language and literature at the doctoral level. Many students pursue this concentration for personal enrichment or in preparation for other types of careers or professional schools. Literary Studies majors are generally successful wherever verbal and analytical skills are important.

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses**Pre-Major Requirements**

ENGL 270 Introduction to Fiction (5)
 ENGL 271 Introduction to Poetry (5)

Requires a minimum grade of 2.5 in each course and at least a 3.0 average for the two courses together. (See admission requirements for remaining requirements for the common departmental pre-major.)

Department Core

ENGL 330 Survey of British Literature through Neo-Classical Period (5)
 ENGL 331 Survey of British Literature from Blake to Present (5)
 ENGL 332 Survey of American Literature (5)
 (ENGL 330, 331 and 332 are prerequisites to corresponding 400-level literature courses.)
 ENGL 350 Shakespeare (5)
 ENGL 360 Language Structure and Use (5)

Required Literature Courses**American Literature (5 credits minimum)****Select one or more of the following period courses:**

ENGL 430 American Literature to Whitman (5)
 ENGL 431 American Literature: Twain to Dreiser (5)
 ENGL 432 20th Century American Literature (5)

British Literature (10 credits minimum)**Select two or more of the following period courses:**

ENGL 440 Medieval English Literature (5)
 ENGL 441 Renaissance English Literature (5)
 ENGL 442 Restoration and 18th Century Literature (5)
 ENGL 443 Romantic Period Literature (5)
 ENGL 444 Victorian Literature (5)
 ENGL 445 20th Century British Literature (5)

Bible or Mythology (5 credits)**Select one of the following courses:**

ENGL 385 Mythology (5)
 ENGL 387 Literature of the Bible (5)

Major Figures (5 credits)**Select one of the following courses:**

ENGL 450 Special Topics in Shakespeare (5)
 ENGL 451 Poetry and Prose of Milton (5)
 ENGL 452 Chaucer (5)
 ENGL 453 Major Literary Figures (5)

Required senior capstone (5 credits)

ENGL 490 (5)

Students will consult their advisor for appropriate ENGL 490 senior capstone.

Elective

Select one 400-level literature course.

Pre-major requirement credits**10 credits****Department core credits****25 credits****Literature credits****25 credits****Elective credits****5 credits****Senior capstone credits****5 credits****Total credits for above major****70 credits****English Major with Technical Communications Option (68-70 credits)**

Technical Communication is a pre-professional program designed to prepare students for a career as a technical writer. Because of the diverse nature of the profession, students will need to develop a broad base of professional writing skills, including work in documentation, editing, graphic design and public relations. As part of this program, students will complete a professional internship, requiring at least 200 hours of supervised work in a business, industry or agency related to the student's academic preparation and career goals. Students will also develop basic computer literacy, including working knowledge in desktop publishing and web design practices.

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses**Pre-Major Requirements**

ENGL 270 Introduction to Fiction (5)
 ENGL 271 Introduction to Poetry (5)

Requires a minimum grade of 2.5 in each course and at least a 3.0 average for the two courses together. (See admission requirements for remaining requirements for the common departmental pre-major.)

This program also requires the following pre-major course:

ENGL 205 Introduction to Technical Communication (5)

Students must complete this course with a minimum grade of 3.0 to be admitted to the program.

Department Core

ENGL 330 Survey of British Literature through Neo-Classical Period (5)
 ENGL 331 Survey of British Literature from Blake to Present (5)
 ENGL 332 Survey of American Literature (5)
 ENGL 350 Shakespeare (5)
 ENGL 360 Language Structure and Use (5)

Required Courses for Technical Communications

ENGL 305 Professional Communication (5)
 ENGL 404 Software Documentation (5)
 ENGL 490 Issues in Technical Communication (5)

Internship (5 credits minimum)

ENGL 495 Professional/Technical Communication Internship (5)

Electives

Select at least two for a minimum of 8 credits in consultation with English Technical Communication faculty.

Oral Communication, for example:

CMST 200 Introduction to Speech Communication (4)
 CMST 331 Interviewing (5)

Special Topics in Technical Writing, for example:

ENGL 407 Proposal Writing (5)
 JRNM 451 Introduction to Public Relations Theory (4)

Or complete the editing sequence:

ENGL 409 Editing in Technical Communication (5)
 ENGL 459 Grammar for Teachers (5)

Pre-major requirement credits**15 credits****Department core credits****25 credits****Technical communications credits****20 credits****Elective credits****8-10 credits****Minimum total credits for above option****68 credits**

Note: Students completing the Technical Communication Option are required to complete a minor in Visual Communication Design.

Bachelor of Arts in Education (BAE)**English/Elementary Major (45 credits)**

This major satisfies the endorsement for grades 5-12.

Required Courses**Pre-Major Requirements**

ENGL 270 Introduction to Fiction (5)
 ENGL 271 Introduction to Poetry (5)

Requires a minimum grade of 2.5 in each course and at least a 3.0 average for the two courses together. (See Admission Requirements for remaining requirements for the Common Departmental Pre-Major.)

Required Courses for Elementary English

ENGL 321 Children's Literature (5)
 ENGL 360 Language Structure and Use (5)
 ENGL 391 The Teaching of English in the Elementary School (5)
 ENGL 459 Grammar for Teachers (5)

Electives

Select three 300- or 400-level literature courses in consultation with departmental advisor: 15 credits

Pre-major requirement credits	10 credits
Elementary English credits	20 credits
Elective credits	15 credits
Total credits for above major	45 credits

**Professional Education Requirements/
Elementary Education: 102-103 credits**

See the Department of Education section of this catalog. Prerequisites may also apply.

Minimum total credits for above major and professional education	147 credits
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Note: The above major takes more than 12 quarters at 15-16 credits a quarter.
 Note: The above major requires the completion of a minor.

English/Secondary Major (70 credits)

This major satisfies the endorsement for grades 5-12.

Required Courses**Pre-Major Requirements**

ENGL 270 Introduction to Fiction (5)
 ENGL 271 Introduction to Poetry (5)
 ENGL 205 Introduction to Technical Communication (5)

Requires a minimum grade of 2.5 in each course and at least a 3.00 average for ENGL 270 and 271 together. (See Admission Requirements for remaining requirements for the Common Departmental Pre-Major.)

Department Core

ENGL 330 Survey of British Literature through Neo-Classical Period (5)
 ENGL 331 Survey of British Literature from Blake to Present (5)
 ENGL 332 Survey of American Literature (5)
 ENGL 350 Shakespeare (5)
 ENGL 360 Language Structure and Use (5)

Required Courses for Secondary English

ENGL 408 The Composition Process (5)
 ENGL 459 Grammar for Teachers (5)
 ENGL 490 Department Senior Capstone: Teaching English in Secondary Schools (5) (Note: Check bulletin for availability.)

Please see your advisor for the appropriate section.
 ENGL 493 Teaching Literature to Adolescents (5)

Note: ENGL 408, 459, and 493 are prerequisites for ENGL 490 and cannot be taken concurrently with it. Minimum grade point for the major is 3.00 in ENGL 408, 459, and 493. Majors must select HUMN 210 or HUMN 211 for partial fulfillment of their GEER in Humanities unless they have AA degrees from an approved community college.

Electives

Select two or more 300- or 400-level literature courses in consultation with departmental advisor:

Pre-major requirement credits	15 credits
Required department core credits	25 credits
Required secondary English credits	20 credits
Elective credits	10 credits
Total credits for above major	70 credits

**Professional Education Requirements/
Secondary Education: 46-47 credits**

See the Department of Education section of this catalog. Prerequisites may also apply.

Minimum total credits for above major and professional education	116 credits
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Minors

Minor programs are available for students interested in combining a general interest in English language and literature with a liberal arts major; for those wishing to study technical writing in preparation for a technical, scientific, professional or communications career and for those planning to teach at the elementary or secondary level.

English Minor (20 credits)**Required Courses**

ENGL 271 Introduction to Poetry (5)
 ENGL 350 Shakespeare (5)

Choose one of the following courses: 5 credits

ENGL 330 Survey of British Literature through Neo-Classical Period (5)
 ENGL 331 Survey of British Literature from Blake to Present (5)
 ENGL 332 Survey of American Literature (5)

Elective

Select a minimum of five credits of 300 or 400-level English course(s).

Required program credits	15 credits
Elective credits	5 credits
Total credits for above minor	20 credits

English/Elementary Minor (25 credits)

This minor does not meet a state of Washington endorsement.

Required Courses

ENGL 270 Introduction to Fiction (5)
 ENGL 271 Introduction to Poetry (5)
 ENGL 321 Children's Literature (5)
 ENGL 360 Language Structure and Use (5)
 ENGL 391 The Teaching of English in the Elementary School (5)

Total credits for above minor	25 credits
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English/Secondary Minor (40 credits)

This minor satisfies the endorsement for grades 5-12.

Required Courses

ENGL 270 Introduction to Fiction (5)
 ENGL 271 Introduction to Poetry (5)
 ENGL 350 Shakespeare (5)
 ENGL 408 The Composition Process (5)
 ENGL 459 Grammar for Teachers (5)
 ENGL 493 Teaching Literature to Adolescents (5)
 ENGL 499 Directed Study (5)

Choose one of the following courses:

ENGL 330 Survey of British Literature through the Neo-Classical Period (5)
 ENGL 331 Survey of British Literature from Blake to the Present (5)
 ENGL 332 Survey of American Literature (5)

Total credits for above minor	40 credits
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Technical Communication Minor (24-25 credits)

The Technical Communication Minor is a strong addition to any major. The set of communication skills offered will work well in a variety of professional contexts, enabling students from any discipline to communicate effectively and thereby, excel in their careers.

Required Courses

ENGL 205 Introduction to Technical Communication (5)
 ENGL 305 Professional Communication (5)
 ENGL 404 Software Documentation (5)
 ENGL 407 Proposal Writing (5)

Elective

Select one 300 or 400-level English course in consultation with technical communication faculty.

Required program credits	20 credits
Elective credits	4-5 credits
Minimum total credits for above minor	24 credits

Note: The prerequisite for ENGL 205 is ENGL 201. Students transferring to Eastern Washington University may need to take ENGL 201.

**Course Requirements for Teacher Certification/Add-on Endorsements
(For students who currently possess a Washington State Teaching Certificate)****English/Add-on Endorsement (45 credits)**

This add-on satisfies the endorsement for grades 5-12.

Required Courses

ENGL 270 Introduction to Fiction (5)
 ENGL 271 Introduction to Poetry (5)
 ENGL 205 Introduction to Technical Communication (5)
 ENGL 350 Shakespeare (5)
 ENGL 408 The Composition Process (5)
 ENGL 459 Grammar for Teachers (5)
 ENGL 499 Directed Study (5) (Done in conjunction with ENGL 490.)
 ENGL 493 Teaching Literature to Adolescents (5)

Choose one of the following courses (5 credits)

ENGL 330 Survey of British Literature through Neo-Classical Period (5)
 ENGL 331 Survey of British Literature from Blake to Present (5)
 ENGL 332 Survey of American Literature (5)

Note: ENGL 408, 459, and 493 are prerequisites for ENGL 490 and cannot be taken concurrently with it. Minimum grade point for the primary add-on endorsement is 3.0 in ENGL 409, 459, and 493. Students must select HUMN 210 or 211 for partial fulfillment of the GEGR in Humanities unless they have degrees from an approved community college.

Total credits for above add-on endorsement 45 credits

Language Arts/Add-on Endorsement (64-65 credits)

This add-on satisfies the endorsement for grades 5-12.

Required Courses

ENGL 270 Introduction to Fiction (5)
 ENGL 271 Introduction to Poetry (5)
 ENGL 321 Children's Literature (5)
 or ENGL 493 Teaching Literature to Adolescents (5)
 ENGL 360 Language Structure and Use (5)
 ENGL 391 The Teaching of English in the Elementary School (5)
 ENGL 408 The Composition Process (5)

Select one 300- or 400-level literature course in consultation with departmental advisor: 4-5 credits minimum

CMST 250 Small Group Communication (5)
 or CMST 210 Interpersonal Communication (5)
 CMST 420 Secondary Speech Communication Methods (4)
 or CMST 499 Directed Study in Methods (4)
 JRNM 332 News Writing (5)
 JRNM 337 Editing and Publishing (4)
 JRNM 351 The Law of Journalism (4)
 THTR/HUMN 202 Theatre in the Humanities (5)
 THTR 321 Play Production (3)

Minimum total credits for above add-on endorsement 64 credits

GRADUATE PROGRAMS

The department of English offers two graduate degree programs: a Master of Arts in English and a Master of Fine Arts in Creative Writing (described below).

Master of Arts in English

Four professional emphases are offered within the Master of Arts in English:

1. Literature
2. Rhetoric, Composition and Technical Communication
3. Teaching English as a Second Language

A fourth professional emphasis, College Instruction, is offered in conjunction with the Department of Education.

Admission Requirements

All applicants for a master of arts in English must declare one of the four professional emphases as their primary area of study. Applicants must take the Graduate Record Exam (GRE) General Test and must submit an 800-1,000 word expository essay explaining what in their background (formal education, professional experience, personal life, as appropriate) has led them to apply to that particular professional emphasis and what they hope to accomplish by completing the degree in that area.

Applicants for teaching assistantships must write an additional letter in which they describe their interest in and prior experience with teaching. Teaching assistantships are awarded in March for the following year. No applicant can be considered for a teaching assistantship until all documentation (completed application, GRE scores, background essay and essay about teaching) has been received.

Completion Requirements

Towards the conclusion of the MA degree program, students must write a professional essay (ENGL 601) or a thesis (ENGL 600) and they must pass a final examination and/or portfolio assessment as determined by their professional emphasis. Candidates must be registered for at least two 600 or 601 credits in the quarter in which they intend to graduate.

Requirements Within Each Professional Emphasis:**Literature**

Judy Logan, Program coordinator
254Q Patterson Hall
(509) 359-6035

Completion Requirements

All students must pass an essay/objective exam early in the quarter prior to that quarter in which they intend to complete the professional essay or thesis and graduate. (Guidelines are available at the English Department.)

All students must demonstrate a reading competence in a foreign language appropriate to their program of study at a level equivalent to completion of the second year of college foreign language. Competence may be demonstrated through course work, a standardized test, or a written test arranged with the Modern Languages and Literature Department. Students may also satisfy the foreign language requirement by successfully completing ENGL 530 *Old English* with a grade of 3.0 or better.

Course Requirements and Credit Hours

ENGL 468 History of the English Language
 or ENGL 530 Old English (5)
 ENGL 521 Graduate Research in Literature (5)
 ENGL 570 History of Criticism
 or ENGL 571 Modern Criticism (5)
 Graduate-only literature seminars (10)
 ENGL 600 Thesis
 or ENGL 601 Professional Essay (5-9)

(In this professional emphasis, ENGL 601 entails three new 10-15 page papers—one on American literature, one on British literature, and one on a major figure—to be submitted to the examining committee.)

Additional courses chosen with advisor's consent (including at least two courses in a secondary area of concentration) (26-30)

Minimum total credits for above master's degree 60 credits

Rhetoric, Composition and Technical Communication**Program Directors:**

Lynn Briggs
PUB 354 Writers' Center
(509) 359-4359/359-4864

Anthony Flinn
254N Patterson Hall
(509) 359-4659

This program provides students with theoretical and applied knowledge in academic and professional/technical discourse. It explores the complex interrelationships between rhetoric and the teaching of writing in their social, technological, and cultural contexts.

After completing a common core of courses in rhetoric and writing instruction, students will choose one of two broad areas of concentration—Rhetoric and Composition and Technical Communication:

- The rhetoric and composition concentration prepares graduates for careers in teaching composition at regional or community colleges.
- The technical communications concentration prepares graduates for various career opportunities in industry, including electronic publishing, software documentation, proposal writing, editing and information design. Alternatively, it also prepares students for careers in teaching technical communications.
- Either concentration also prepares students for further study in PhD programs.

It is recommended that applicants submit a sample of their strongest writing with their application, and that they arrange a personal or telephone interview with the program director. The program includes either a thesis, comprehensive examination or a professional essay.

Course Requirements and Credit Hours**A. Core Courses**

ENGL 511 The Composing Curriculum (5)
 ENGL 520 Research Design and Evaluation in Composition (5)
 ENGL 459 Grammar for Teachers (5)
 ENGL 573 History of Rhetoric (5)
 ENGL 577 Seminar in Professional Preparation (2)
 ENGL 600 Thesis (5)
 or 601 Professional Essay (5)
 ENGL 698 Internship in Instruction
 or ENGL 697 Professional Writing Internship (3)

Requirements for Rhetoric and Composition Concentration

ENGL 555 Contemporary Composition Theory (5)
 ENGL 556 Computers and Composition (5)
 ENGL 575 Contemporary Rhetorical Theories (5)
 Approved Electives (15)

Requirements for Technical Communication Concentration

ENGL 503 Information Design (5)
 ENGL 504 Software Documentation (5)
 or ENGL 507 Proposal Writing (5)
 ENGL 568 Writing in Organizations (3)
 ENGL 509 Editing Workshop (5)
 Approved Electives (12)

B. Electives Courses: Students in the Rhetoric and Composition Concentration are required to complete 15 credits of electives; while students in the Technical Communication Concentration are required to complete 12 credits of electives. All elective courses must be chosen in consultation with advisors.

Core credits	30 credits
Rhetoric and composition concentration credits	30 credits
Technical communication concentration credits	30 credits
Minimum total credits for above master's degree	60 credits

Teaching English as a Second Language

LaVona Reeves, Program Director
254R Patterson Hall
(509) 359-7060

This program prepares pre-service and in-service teachers of speakers of English as a second language (ESL) or a foreign language (EFL) to teach second language literacy, culture and communication skills. It is primarily designed to prepare secondary and post-secondary teachers in a variety of settings and can also serve as preparation for doctoral studies. Core courses can be applied toward the state endorsement in ESL.

Admission Requirements

Graduate applicants for whom English is not the first language do not need to take the GRE. Instead, they must present a TOEFL score of 580 (237 CBT). A student with a TOEFL score between 550 (213 CBT) and 580 (237 CBT) may be admitted conditionally upon having a program of English language study approved by the graduate program coordinator. In addition, all applicants whose first language is not English must arrange for an interview with the graduate program coordinator, either in person or by telephone. Applicants are admitted every quarter, not just in the fall.

Language Requirement (may be completed in conjunction with graduate studies)

All students must demonstrate a reading competence in a foreign language appropriate to their program of study at a level equivalent to completion of the second year of college foreign language. Competence may be demonstrated through course work, a standardized test or a written test arranged with the Modern Languages Department. Students may also satisfy the foreign language requirement by successfully completing ENGL 530 *Old English* with a grade of 3.0 or better.

Completion Requirements

Candidates are encouraged to complete a supervised practicum in teaching English as a second language. This includes (1) observing a master teacher; (2) preparing, teaching and assessing materials; and (3) doing systematic self-observation and evaluation (normally videotaping). The practicum

would normally include the journaling of classroom practices, procedures and interactions.

All degree candidates must pass an examination on the history of the English language and a comprehensive examination of second language acquisition, methodology, curriculum, assessment or cross-cultural communication. This comprehensive exam must be scheduled early in the quarter prior to that quarter in which degree candidates intend to complete their thesis/professional essay and graduate.

Course Requirements and Credit Hours

ENGL 459 Grammar for Teachers (5)
 ENGL 468 History of the English Language (5)
 ENGL 520 Research Design and Evaluation in Composition (5)
 Demonstrated competency in a foreign language
 and/or ENGL 530 Old English (0-5)
 ENGL 560 Modern Grammar (5)
 ENGL 564 Grammar and Composition (5)
 ENGL 580 Second Language Acquisition (5)
 ENGL 581 Second Language Curriculum Design and Assessment (5)
 ENGL 582 Modern Language Methodology (5)
 ENGL 600 Thesis (5)
 or ENGL 601 Professional Essay (5)

Electives (10-15)

Minimum total credits for above master's degree 60 credits

Certificate in the Teaching of Literature and Post-Master's Certificate in the Teaching of Literature

Chris Valeo, Program Director
250 Patterson Hall
(509) 359-6036

This program is designed for individuals who already have or are working on Master's Degrees and have significant experience in education, composition/rhetoric, TESOL or technical writing. Documentation of the graduate degree or program in progress and relevant prior experience is required for admission.

Individuals with Master's degrees in hand often discover that in order to teach literature at the community college level they need some course work in literature and experience in the teaching of literature. This is particularly true of those with degrees in Rhetoric and Composition because many schools now use literature to teach composition, and most who teach composition at the community college level are also expected to teach introductory literature courses. This certification program addresses the needs of these people.

Prerequisites

10 quarter or 6 semester college or university credits in literature
 and a graduate degree or current graduate-student status in a related program (education, composition/rhetoric, TESOL, or technical writing [or literature, if the student has no teaching experience]).

Required Certificate Courses

ENGL 521 Graduate Research in Literature
 or ENGL 598: Seminar in Language and Literature-the Teaching of Literature (5)
 Two approved 400 or 500 level literature courses or seminars (10)
 and ENGL 698: a college or university-level internship in the teaching of literature (5)

Total of 20 credits**Certificate in the Teaching of Writing**

Dana C. Elder, Program Director
250E Patterson Hall
(509) 359-2400

EWU graduate students in good standing who intend to pursue college teaching careers may complete this certification program while working towards their graduate degrees. It combines training in writing curriculum components and design, the teaching of grammar and writing assessment with a supervised classroom teaching experience. Credits in the Certificate Program may also be counted towards the student's graduate degree requirements upon the approval of their advisor.

Required Certificate Courses

- ENGL 511 The Composing Curriculum (5)
 or ENGL 408 The Composition Process (5)
 ENGL 459 Grammar for Teachers (5)
 or ENGL 560 Modern Grammar (5)
 ENGL 520 Research Design and Evaluation in Composition (5)
 or ENGL 556 Computers and Composition (5)
 ENGL 698 Internship in Instruction (5)
 (This would most likely and perhaps most productively be a supervised teaching experience at a community college.)

Total required credits**20 credits****Post-Master's Certificate in the Teaching of Writing**

This program is designed for individuals with master's degrees and significant experience in education, business, technology or communications. Documentation of the graduate degree and relevant prior experience is required for admission. End-of-program assessment requires a portfolio of two writing samples from the required course work, a reflective essay evaluating the program and an exit interview.

Required Certificate Courses

- ENGL 511 The Composing Curriculum (5)
 or ENGL 408 The Composition Process (5)
 ENGL 459 Grammar for Teachers (5)
 or ENGL 560 Modern Grammar (5)
 ENGL 520 Research Design and Evaluation in Composition (5)
 or ENGL 556 Computers and Composition (5)
 ENGL 698 Internship in Instruction (5)
 (This would most likely and perhaps most productively be a supervised teaching at a community college.)

Total required credits**20 credits****Master of Fine Arts in Creative Writing**

Jonathan Johnson, Program Director

409A Spokane Center

(509) 623-4221/4371

jjohnson2@mail.ewu.edu

The Master of Fine Arts Program is an intensive, two-year, pre-professional course of study with an emphasis on the practice of literature as a fine art. The program includes course work in the study of literature from the vantage point of its composition and history, but the student's principal work is done in advanced workshops and in the writing of a book-length thesis of publishable quality in fiction, literary nonfiction or poetry. The MFA is a terminal degree program.

Admission Requirements

Applicants must take the Graduate Record Exam (GRE) General Test, submit a writing sample consisting of 10–20 pages of poetry and/or 15–25 pages of prose with the application form, an 800 word letter stating the applicant's reasons for pursuing the MFA and two letters of reference.

Applicants for teaching assistantships must write an additional letter in which they describe their interest in and prior experience with teaching.

Teaching assistantships are awarded after March 1 for the following year. No applicant can be considered for a teaching assistantship until all documentation (completed application, GRE scores, writing sample, letters of recommendation and other written materials) has been received. Note especially that in order for the department to receive the GRE scores by March, applicants must take the GRE no later than the previous December.

Completion Requirements

- A. Students should spend 6 quarters in residence.
 B. A student should concentrate in one of the following areas:
- Poetry
 - Fiction
 - Literary Nonfiction

Students, however, are expected to take course work in areas other than the one in which they concentrate.

C. In consultation with a thesis advisor, each student will compile a list of fifteen books to augment the reading done in course work. A portion of the oral examination, held near the end of each student's term of study, will be devoted to questions about this list and works covered in required form and theory literature courses.

D. Each student must submit a literary thesis of substantial length and publishable quality. The thesis will be reviewed in the oral examination.

Course Requirements and Credit Hours

CRWR 517 Graduate Writing Workshop (20)

This course may be repeated for credit; students should take one workshop from outside the major area.

The three literary form and theory courses in each student's major area of study

Fiction I, II, and III, Literary Nonfiction I, II and III, or Poetry I, II and III (15)

One literature course from outside the major area (5)

CRWR 600 Thesis (10–15)

Further electives in creative writing, literature, and/or a secondary emphasis in one of the following areas (17)

- Literary editing
- Literary studies
- Studies in a modern language
- Studies in another art form: music, dance, etc.
- Teaching composition
- Teaching English as a second language
- Technical and professional writing

Variations are possible following consultation with student's program advisor.

Minimum total credits for above**master's degree****72 credits**

Creative Writing Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

CRWR 210

Introduction to Creative Writing (5)

Prerequisite: ENGL 101 or 201.

This course introduces students to the process, techniques and forms of creative writing including poetry, fiction and nonfiction.

CRWR 311

Form and Theory of Fiction (5)

Prerequisite: CRWR 210.

Style and the techniques of fiction, including a delineation of the development of major technical trends in fiction.

CRWR 312

Form and Theory of Poetry (5)

Prerequisite: CRWR 210.

An intensive study of the history and current use of prosody and poetics and the application of traditional and innovative theories of contemporary poetry.

CRWR 414

Literary Editing and Design (5)

Prerequisites: ENGL 270, 271, CRWR 210.

The history of literary magazine publishing in America since 1950. Also typography, layout, graphics and editorial vision. Students will be asked to examine and discuss various influential literary magazines of the past as well as the present and to produce a mock-up of their own literary magazine. (Cross-listed ENGL 414)

CRWR 417

Creative Writing Workshop (5)

Prerequisite: CRWR 210.

Workshop in various genres, e.g., fiction, poetry, creative nonfiction, drama, scriptwriting or translation. This course may be repeated frequently. Different genres and subjects will be indicated in the quarterly Course Announcement and on the student's permanent record.

CRWR 467

Contemporary Women's Fiction (5)

Prerequisites: English majors must have grades of 2.5 or better in ENGL 201, 270, and 271; non-majors must have permission of the instructor.

A look at changing perspectives in women's fiction from the 1970s to the present. (Cross-listed ENGL 467, WMST 467)

CRWR 469

Literature of the Pacific Northwest (5)

Prerequisite: ENGL 332.

A survey of Northwestern literature from 1800 to the present time, including representative exploration journals as well as more recent works by such writers as Richard Hugo, James Welch, Carolyn Kizer and Ursula LeGuin. Addresses questions of geography and regional culture. (Cross-listed ENGL 469)

CRWR 491

Creative Writing Senior Thesis (5)

[satisfies senior capstone university graduation requirement.]

Prerequisites: CRWR 311 or 312, 2 sections of CRWR 417. A class for senior creative writing majors. Students will revise poetry, fiction and essays from previous creative writing classes, culminating in a final portfolio of polished literary work. A third of the class will be workshops, a third discussion of assigned literary text to supplement the writing of the thesis, and a third discussion of career issues (publishing, employment, graduate school).

CRWR 492

Creative Writing in the Schools (5)

Designed for prospective teachers of creative writing in the schools (K-12). Initially the focus is on developing projects for poems and stories, concentrating on matters of diction, imagery, rhythm, form and comparisons such as metaphor and simile. The bulk of the work may consist of classroom visitation in the Spokane area, with practical application of the projects developed by the students participating in this course.

CRWR 495

Willow Springs Internship (1-3)

May be repeated for up to six quarters. Prerequisite: CRWR 417.

Reading and critiquing manuscript submissions to EWU's nationally recognized literary journal.

CRWR 498

Seminar in Creative Writing or Literature (5)

Prerequisites: Grades of 2.5 or better in ENGL 270 and 271 (if topic is literature).

Special topics in creative writing or literature. May be repeated for credit; the topic covered will be listed on the student's permanent record. (If topic is literature, this course has the above prerequisite and may be Cross-listed with ENGL 498.)

CRWR 499

Directed Study (1-5)

Prerequisites: Permission of the instructor and the director of the Creative Writing program.

Independent study under faculty direction, adapted to individual needs of the students.

CRWR 514

Literary Editing and Design (5)

Prerequisite: Graduate standing.

The class will study the history of literary magazine publishing in America since 1950. It will also study typography, layout, graphics and editorial vision. Students will be asked to examine and discuss various influential literary magazines of the past as well as the present and to produce a mock-up of their own literary magazine.

CRWR 515

Internship Literary Editing and Design (1-5)

Prerequisite: Graduate standing.

A practicum in literary production. The course offers hands-on training in connection with the literary magazine *Willow Springs*. Individually assigned projects typically include reading and editing submissions, proofreading, copy editing, layout, production, and marketing.

CRWR 517

Graduate Writing Workshop: Fiction, Poetry, Literary Nonfiction, Drama, Scriptwriting, or Translation (5)

Prerequisite: MFA students; others with instructor permission.

Classroom discussion of student writing, concentrating on editing and revision with a view to attaining publishable quality.

CRWR 539

Special Topics (1-5)

CRWR 569

Literature of the Pacific Northwest (5)

A survey of Northwestern literature from 1800 to the present time, including representative exploration journals as well as more recent work by such writers as Hugo, Welch, Kizer, Bass and LeGuin. The course also addresses questions of geography, economics, and regional culture as they relate to the literature. (Cross-listed ENGL 569)

CRWR 583

Fiction I—The Novel (5)

Prerequisite: MFA or English MA students (others with instructor permission).

Study of the novel from a writer's point of view considering the roots, periods and stylistic approaches to the form. Works to be considered might include texts from antiquity to the present. Through a study of style, structure and historical development, the course will concern itself with the many shapes the novel takes, has taken or might take, while also examining common elements that link examples of the form.

CRWR 584

Fiction II—The Short Form (5)

Prerequisite: MFA or English MA students (others with instructor permission).

A study of the short story from a writer's point of view considering the roots, periods and stylistic approaches to the form. Works to be considered might include texts from Chaucer to the present. Through a study of style, structure and historical development, the course will concern itself with the many shapes the short story takes, has taken or might take, while also examining common elements that link examples of the form. An added area of study may be the novella.

CRWR 585

Fiction III—Selected Topics in Craft (5)

Prerequisite: MFA or English MA students (others with instructor permission).

Selected topics in fiction focusing primarily on elements of craft and technique, such as point of view, voice, setting, character and plot. Attention will be given to how the technical choices a writer makes regarding one or some of these elements serve to shape, limit and inform the fiction being examined. More than one topic may be considered during the course.

CRWR 586

Literary Nonfiction I—Ancient Roots Through the 19th Century (5)

Prerequisite: MFA or English MA students (others with instructor permission).

Intensive study of the nature and development of nonfiction, beginning with ancient Greek, Roman, Chinese, and Japanese writings and the Bible, moving to the nonfiction of Continental writers such as Kempe, Montaigne, Browne, Swift, Johnson, Addison and Steele and Lamb, and on to American writers such as Emerson, Thoreau, Twain and Muir. Forms such as oral traditions of indigenous peoples, exploration accounts, slave narratives, captive narratives, biography, autobiography, meditation, diaries/journals and the essay may be considered.

CRWR 587

Literary Nonfiction II—20th Century and Beyond (5)

Prerequisite: MFA or English MA students (others with instructor permission).

Intensive study of the nature and variety of modern and contemporary literary nonfiction, including such established writers as Woolf, Orwell, White, Didion, Mailer, Tom Wolfe, Tobias Wolff, Kingston, Momaday, McPhee, Baldwin, Walker, Kincaid, Dillard, Eiseley, Sanders, Rodriguez and Haines, as well as lesser-known contemporary writers. Forms such as memoir, essay, short nonfiction, literary journalism and the nonfiction novel may be considered, as well as effects of the works on the world.

CRWR 588**Literary Nonfiction III—Selected Topics (5)**

Prerequisite: MFA or English MA students (others with instructor permission).

Advanced, close study of selected topics in creative nonfiction, such as nature writing, travel writing, oral history, memoir, diaries/journals, the personal essay, short nonfiction, radio commentary, literary journalism, biography, nonfiction literature for social change, creative nonfiction in translation, research methods, ethical questions, cross-cultural writing, political writing, historical writing, and science writing. More than one topic will be considered during the course.

CRWR 589**Poetry I—Background and Theory (5)**

Prerequisite: MFA or English MA students (others with instructor permission).

A study of some early poetry important to the development of the art, including Sappho, Catullus, Horace, the poets of the Tang Dynasty, and the English Metaphysicals. It will also include discussions of traditional forms and prosody.

CRWR 590**Poetry II—The Moderns and Modernism (5)**

Prerequisite: MFA or English MA students (others with instructor permission).

The course will begin with the study of Dickinson and Whitman and move through the "High Moderns" to Robert Lowell, Elizabeth Bishop and Roethke. It may also include discussion of Symbolism, the Spanish poets, the French Surrealists and other non-English speaking poets of the period.

CRWR 592**Poetry III—Contemporary World Poetry and Poetics (5)**

Prerequisite: MFA or English MA students (others with instructor permission).

An intensive study of selected authors and literary developments, both national and international, since 1960.

CRWR 596**Experimental Course (1-5)****CRWR 597****Workshops (1-5)**

Note: Workshop credit cannot be used to fulfill graduate degree requirements.

CRWR 598**Seminar in Creative Writing or Literature (5)**

This course deals with specialized aspects of creative writing or literature. A student may take the seminar several times. The exact content of the course will be indicated in the title to be entered on his or her permanent record. (If the topic is literature, the course may be Cross-listed with ENGL 598.)

CRWR 600**Thesis (1-15)****CRWR 698****Internship in Instruction (1-5)**

English Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

ENGL 100**Fundamentals of English Composition (5)**

FALL/WINTER/SPRING

Graded Pass/No Credit. Does not count toward the 180 credit requirement. Prerequisite: Placement based on EWU writing placement test results or through General Advising.

Provides opportunities for students to acquire familiarity with the standard written language of college-educated Americans. Employs lectures, small group activities, tutoring and counseling to encourage and lead students to practice a variety of language skills. This course prepares students for English 101.

ENGL 101**College Composition: Exposition and Argumentation (5)**

FALL/WINTER/SPRING/SUMMER

[satisfies the university competencies, writing.]

Prerequisite: ENGL 100, Writing Placement Test or General Advising.

Provides opportunities for students to develop and enhance their written communication skills. Stresses the organization, development and support of ideas and perspective in exposition and argumentation as public discourse, familiarization with library resources, and application of the rules and conventions of standard American English.

ENGL 111**Writing for Academic Purposes (5)**

FALL/WINTER/SPRING/SUMMER

An integrated skills course to develop writing and grammar fluency in a variety of writing modalities through reading, writing and discussion to prepare students for the multifaceted demands of academic writing. (Cross-listed ELIN 111, ELIC 111)

ENGL 112**Writing English for International Students (5)**

FALL/WINTER/SPRING/SUMMER

A course designed for the international student and those students whose native language is not English. Content is adapted to the needs of students in such areas as idiom, usage, reading comprehension and composition, as well as library activities. Students must earn a minimum grade of 2.0 before being allowed to proceed into one of the required English composition courses (100, 101, or 201).

ENGL 170**Introduction to Literature (5)**

FALL/WINTER/SPRING/SUMMER

[satisfies the GEQR for humanities and fine arts, list 1, literature.]

An examination of literary approaches in human experience including short fiction, poetry and drama. Principal attention to the elements that make up literature, with supporting discussion of ideas, attitudes, problems and values.

ENGL 201**College Composition: Analysis, Research, and Documentation (5)**

FALL/WINTER/SPRING/SUMMER

[satisfies the university proficiencies, writing.]

Prerequisite: English 101, Writing Placement Test or General Advising.

Stresses research skills, analytical writing, logic and other skills necessary to comprehend, synthesize and respond intelligently to academic discourse. Practices source evaluation and documentation across the disciplines. A special study unit emphasizing effective use of library resources is included.

ENGL 205**Introduction to Technical Communication (5)**

FALL/WINTER/SPRING

Prerequisite: ENGL 201.

In this introduction to technical communication, students will learn the basic principles of effectively structuring information for a variety of purposes and audiences, using an applicable document type. Students will solve various communication problems individually and they will be required to work in teams to complete a research or service learning project.

ENGL 270**Introduction to Fiction (5)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: ENGL 101; ENGL 201 recommended.

The basic elements of fiction. Through class discussions and writing assignments, students analyze, interpret and evaluate individual short stories and a novella which are broadly representative of a variety of historical periods and narrative genres.

ENGL 271**Introduction to Poetry (5)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: ENGL 101; ENGL 201 recommended.

The basic elements of poetry. Presentation similar to ENGL 270.

ENGL 299**Individual Study (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the instructor and the department chair.

Special studies in English or composition. Such studies will vary according to faculty and student interest.

ENGL 300**Special Problems in College Writing (1)**

Graded Pass/No Credit.

Offered on a tutorial basis for students whose written composition is considered unsatisfactory by the instructor of any course in the undergraduate curriculum of the University. Open only to students who have already completed their writing requirement. Normally, eligible students should not need more than two separate referrals, for a total of two credits in two different quarters.

ENGL 301**The Investigative Paper (5)**

Prerequisite: ENGL 201.

For the upper-division student. Particular attention to skillful and comprehensive use of library resources; careful organization, interpretation and evaluation of authoritative information; and adherence to the conventions of the academic paper.

ENGL 304**Advanced Writing Mechanics (3)**

Practical service course for upper-division and graduate students who want further training in the mechanics of expository writing, or are referred by their major departments. Class work may include writing projects associated with other courses. Students must have finished all composition requirements.

ENGL 305**Professional Communication (5)**

WINTER

Prerequisite: ENGL 205.

This course focuses on advanced technical communication skills. Students will learn about the usability of informational documents. They will work to improve the precision of their writing and the effectiveness of the design of documents. Students will work individually and in teams to complete a variety of projects, including a service learning or client based project.

ENGL 308**Advanced Exposition (5)**

Prerequisite: ENGL 201.

A course for the upper-division student majoring in such traditional liberal arts areas as history, language, literature and philosophy. Emphasis upon understanding the theory of classical and modern rhetoric, with regular provision for practice of the persuasive essay.

ENGL 315**Topics in Literature and Culture (5)**

Course may be repeated for credit if taken with a different topic. Prerequisite: ENGL 201.

A thematically organized course dealing with literary and cultural topics as they are reflected in literature. Some representative topics are the following: The American Dream in Literature; The Image of Women in American Pioneer Literature; and The Colonial Experience in Literature.

ENGL 321**Children's Literature (5)**

WINTER

Prerequisite: ENGL 201.

Major types of literature for children in the elementary grades, with the greatest emphasis upon the distinguished and lasting fiction, folklore, fantasy, picture books and poetry.

ENGL 323**A Global View through Children's Literature (5)**

[satisfies international studies university graduation requirement.]

By reading and discussing a variety of children's literature titles across several interrelated thematic units, students will examine cultural constructs, gain familiarity with international cultures, work toward empathy for other peoples and practice a critical reading stance about stories from around the world. Course work will include papers, journals, large and small group discussions and presentations. (cross-listed with EDUC 323)

ENGL 330**Survey of British Literature Through Neo-Classical Period (5)**

FALL/WINTER/SPRING/SUMMER-MAYBE

Prerequisites: English majors must have grades of 2.5 or better in ENGL 201, 270, and 271; non-majors must have permission of the instructor.

History of British literature from the Anglo-Saxon period to the end of the 18th century. The course focuses on representative works of representative authors, examining the changes in literary forms and in conceptions of culture and society.

ENGL 331**Survey of British Literature from Blake to Present (5)**

FALL/WINTER/SPRING/SUMMER-MAYBE

Prerequisites: English majors must have grades of 2.5 or better in ENGL 201, 270, and 271; non-majors must have permission of the instructor.

History of British literature from the Romantics to the present. The course focuses on representative works of representative authors, examining the changes in literary forms and in conceptions of culture and society.

ENGL 332**Survey of American Literature (5)**

FALL/WINTER/SPRING/SUMMER-MAYBE

Prerequisites: English majors must have grades of 2.5 or better in ENGL 201, 270, and 271; non-majors must have permission of the instructor.

History of American literature from the beginnings of European colonization to the present. The course focuses on representative works of representative authors, examining the changes in literary forms and in conceptions of American culture and society.

ENGL 350**Shakespeare (5)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: English majors must have grades of 2.5 or better in ENGL 201, 270, and 271; non-majors must have permission of the instructor.

Reading and interpretation of the principal comedies, histories, tragedies and sonnets of Shakespeare; usually includes intensive study of one play.

ENGL 360**Language Structure and Use (5)**

FALL/WINTER/SPRING

Prerequisite: ENGL 201.

The nature and function of language; approaches, concepts, component areas of linguistics.

ENGL 379**American Literature of Ethnic Minorities (5)**

[satisfies cultural and gender diversity university graduation requirement.]

Prerequisite: ENGL 201.

Any one of several major areas of ethnicity may be focused on: Native American, Asian American, Latin American/Chicano, and African American. Specialized sub-topics within these general areas may also be the subjects of this course in different offerings. Different subject matter will be indicated by words added to the title in the quarterly course announcement. Course may be taken more than once with different subject matter. (Cross-listed AAST 379, HUMN 379)

ENGL 380**Survey of Native American Literatures (5)**

SPRING

[satisfies cultural and gender diversity university graduation requirement.]

Prerequisite: ENGL 201.

Designed to introduce students to specific examples of narrative, ceremonial, ritualistic, religious and secular literatures from the oral traditions of Indian Nations in North America and South America. Also introduces students to contemporary genres (i.e., poetry, the short story, the novel and drama) as they emerge from the oral traditions, with the specific purpose of articulating the continuity as reflected in literary genres. (Cross-listed IDST 380)

ENGL 381**Contemporary African American Literature (5)**

Prerequisite: ENGL 201.

Major African American literature of the 20th century: fiction, poetry, essay, autobiography and drama. (Cross-listed AAST 381)

ENGL 382**Studies in Epic Fantasy (5)**

Prerequisite: ENGL 201.

Selected works by Tolkien, Lewis, Eddison, Carter, Cabell and others, with emphasis on the function of fantasy and its statements about contemporary society and the human imagination. Texts selected vary according to student interest.

ENGL 384**Folklore (5)**

SPRING

Prerequisite: ENGL 201.

Surveys the nature of folklore in its theories and practices, with special attention to the function of the folk imagination. Topics include the oral tradition possessed by every group, widespread folk practices and beliefs, and the methods of their collection and study.

ENGL 385**Mythology (5)**

FALL/SPRING/SUMMER

Prerequisite: ENGL 201.

A survey of classical Greek myths, with special attention to the stories used in literature, and an introduction to comparative mythology.

ENGL 387**Literature of the Bible (5)**

WINTER

Prerequisite: ENGL 201.

Studies the literature of the Bible, both Old and New Testaments, in its historical, cultural and linguistic settings through selected readings.

ENGL 389**Women, Literature, and Social Change (5)**

SPRING-ODD YEARS

[satisfies cultural and gender diversity university graduation requirement.]

Prerequisite: ENGL 201.

Examines fictional images of women as these images reflect the changing roles and status of women from Greece to present, focusing on the 19th and 20th centuries. (Cross-listed WMST 389)

ENGL 391**The Teaching of English in the Elementary School (5)**

FALL/WINTER

Prerequisites: English majors must have grades of 2.5 or better in ENGL 201, 270, and 271; non-majors must have permission of the instructor.

An exploration of the English program in grades 1 through 8, with an emphasis on how to develop and teach creative and utilitarian writing lessons, small group and whole class discussion lessons.

ENGL 395**Field Work (1-10)**

FALL/WINTER/SPRING/SUMMER

ENGL 400**Women and Men in Literature (1)**

This course teaches the integration of women authors, the ideas of men writing about women and ideas interesting to women in the study of literature. We will deal with textbook selections and a comparative treatment of women and men in a literature survey course. The course will provide a feminist approach and review the literature on gender balance. (Cross-listed WMST 400)

ENGL 404**Software Documentation (5)**

SPRING

Prerequisites: ENGL 201 and 205. ENGL 305 is strongly recommended, as well as familiarity with a word processing program.

A study of the software documentation process. In collaboration with students in CSCD 451, students acquire practical experience in developing document plans and then implementing them in the design and composition of printed user manuals and online help. In addition, students become acquainted with current issues in the field of software user education.

ENGL 407**Proposal Writing (5)**

SPRING

Prerequisite: ENGL 201.

Investigation of funding sources, use of government documents for research, and evaluation of submitted proposals are among areas covered. Emphasis is on clear, concise writing of individualized student projects.

ENGL 408**The Composition Process (5)**

FALL/WINTER/SUMMER

Prerequisites: ENGL 201; ENGL 308 is recommended.

Study and analysis of the cognitive steps taken and of the general process usually followed when a person writes clearly and effectively. Designed especially for those who are interested in the teaching of composition.

ENGL 409**Editing in Technical Communication (5)**

WINTER

Prerequisite: ENGL 459.

This course develops the principles and practices of technical editing. Students will learn how to copyedit and proofread a variety of technical and professional documents, using standard symbols and conventions. Students will also learn to use style sheets to track emendations, and they will gain an understanding of the responsibilities of an editor to make texts effective and usable.

ENGL 414**Literary Editing and Design (5)**

WINTER

Prerequisites: ENGL 270, 271, CRWR 210.

The history of literary magazine publishing in America since 1950. Also typography, layout, graphics, and editorial vision. Students will be asked to examine and discuss various influential literary magazines of the past as well as the present and to produce a mock-up of their own literary magazine. (Cross-listed CRWR 414)

ENGL 421**Special Topics in Children's Literature (4)**

Prerequisites: English majors must have grades of 2.5 or better in ENGL 201, 270, and 271; non-majors must have permission of the instructor.

The quarterly course announcement will indicate specific topic to be considered. Offerings include picture books, fantasy literature, myths and folk tales, minority groups and new trends in children's literature.

ENGL 430**American Literature to Whitman (5)**

FALL/SUMMER-MAYBE

Prerequisite: ENGL 332.

The literature of North America from colonial times to the Civil War, with emphasis on the New England renaissance.

ENGL 431**American Literature: Twain to Dreiser (5)**

SPRING/SUMMER-MAYBE

Prerequisite: ENGL 332.

The literature of the United States from the Civil War to World War I, with emphasis on the prose and poetry of the realistic movement.

ENGL 432**20th Century American Literature (5)**

WINTER/SUMMER-MAYBE

Prerequisite: ENGL 332.

Chief figures, works, and trends in the literature of the United States since World War I.

ENGL 440**Medieval English Literature (5)**

FALL/SUMMER-MAYBE

Prerequisite: ENGL 330.

Middle English literature in translation with some class reading of original texts. Readings may include Arthurian romances, Piers Plowman, Gower, Pearl, Sir Gawain, Mallory, ballads and lyrics.

ENGL 441**Renaissance English Literature (5)**

SPRING/SUMMER-MAYBE

Prerequisite: ENGL 330.

Elizabethan lyrics; Spenser; Metaphysical and Cavalier poetry; Elizabethan and Jacobean drama.

ENGL 442**Restoration And 18th Century Literature (5)**

WINTER/SUMMER-MAYBE

Prerequisite: ENGL 330.

Major emphasis on Dryden, Pope, Swift and Johnson. Lesser figures and the intellectual milieu of the period receive some attention.

ENGL 443**Romantic Period Literature (5)**

SPRING/SUMMER-MAYBE

Prerequisite: ENGL 331.

English writers of the Romantic period, with emphasis on Wordsworth, Coleridge, Blake, Keats, Shelley, Byron.

ENGL 444**Victorian Literature (5)**

FALL/SUMMER-MAYBE

Prerequisite: ENGL 331.

English poetry and prose (exclusive of novels) of the middle and late 19th century, with chief emphasis on the works of Tennyson, Browning, Arnold and Hopkins.

ENGL 445**20th Century British Literature (5)**

WINTER/SUMMER-MAYBE

Prerequisite: ENGL 331.

Literature of Great Britain from 1900 to contemporary times, including such figures as Shaw, Yeats, Joyce, Eliot and Auden.

ENGL 450**Special Topics in Shakespeare (5)**

WINTER

Prerequisites: ENGL 330 and 350.

Shakespeare for advanced students: special topics such as dark and light comedy, the tragic heroes, Shakespeare history, etc., at the choice of the instructor. Course is taught at a level advanced enough to require some background in literature. May be taken more than once; subject matter described by the added wording in the title.

ENGL 451**Poetry and Prose of Milton (5)**

WINTER-EVEN YEARS

Prerequisite: ENGL 330.

Milton's major poems and his most important prose. Attention to literary and historical backgrounds, to Milton's development as poet and thinker, and to selected problems of Milton scholarship.

ENGL 452**Chaucer (5)**

WINTER

Prerequisite: ENGL 330.

Reading and interpretation of the chief poetry of Geoffrey Chaucer.

ENGL 453**Major Literary Figures (5)**

FALL/WINTER/SPRING

Prerequisite: ENGL 330, 331, or 332 (as appropriate).

Focuses on the work of major figures from either British, American, or world literature, considering their biography, the scope and development of their achievement and the stature of their principal works. May be taken more than once; subject matter described by the added wording in the title.

ENGL 456**Computers and Composition (5)**

Prerequisite: ENGL 408 or equivalent.

Survey of research literature on the use of computers for teaching composition. Review of existing software and computer-assisted instructional programs relevant to teaching composition. Develop prototype computerized classroom materials. Attain basic competency in word processing program.

ENGL 459**Grammar for Teachers (5)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: ENGL 201.

Major features of English grammar. Course covers word formation; part of speech identification; and the analysis of phrases, clauses and sentences.

ENGL 460**Modern Grammar (5)**

WINTER/SUMMER

Prerequisites: ENGL 201 and 459; ENGL 360 is recommended.

Analysis of major syntactic rules of English from the standpoint of transformational grammar.

ENGL 461**Survey of Psycholinguistics (3)**

SPRING-EVEN YEARS

Prerequisite: ENGL 360.

A survey of psycholinguistic process: language comprehension, production and acquisition. (Cross-listed COMD 407)

ENGL 462**Topics in Socio-Linguistics (5)**

Prerequisites: ENGL 201; ENGL 360 is recommended.

The study of language in relation to society. Topics covered may include varieties of language (such as gender varieties), speech as social interaction, the quantitative study of speech, dialectics, and language attitudes and standards.

ENGL 464**Grammar and Composition (5)**

Prerequisite: ENGL 459 or equivalent knowledge of traditional grammar.

Analysis of basic writing problems (grammatical and punctuation errors, and syntactic immaturity) in the writing of secondary students and the development of remediation materials and strategies.

ENGL 467**Contemporary Women's Fiction (5)**

Prerequisites: English majors must have grades of 2.5 or better in ENGL 201, 270 and 271; non-majors must have permission of the instructor.

A look at changing perspectives in women's fiction from the 1970s to the present.

(Cross-listed CRWR 467, WMST 467)

ENGL 468**History of the English Language (5)**

FALL/SUMMER

Prerequisites: ENGL 201; ENGL 360 is recommended.

Origins and development of the English language from prehistoric times to the present.

ENGL 469**Literature of the Pacific Northwest (5)**

Prerequisite: ENGL 332.

A survey of Northwestern literature from 1800 to the present time, including representative exploration journals as well as more recent works by such writers as Richard Hugo, James Welch, Carolyn Kizer and Ursula LeGuin. Addresses questions of geography and regional culture. (Cross-listed CRWR 469)

ENGL 484**Folk Tales in the Classroom (5)**

Prerequisite: EDUC 303 or permission of the instructor.

The focus is on reading folk tales from around the world to see the similar concerns, problems, fears and hopes expressed in these traditional narratives and to gain information about folk tales and materials and techniques for teaching folklore in language arts and multicultural classes. Designed primarily for prospective teachers and practicing teachers.

ENGL 490**Department Senior Capstone: (5)****Teaching English in Secondary School Or Literature at the Crossroads: Literary Studies in the New Millennium Or****Issues in Technical Communication**

[satisfies senior capstone university graduation requirement.]

See your major department advisor for the appropriate section number.

ENGL 493**Teaching Literature to Adolescents (5)**

FALL/WINTER

Prerequisites: English majors must have grades of 2.5 or better in ENGL 201, 270 and 271; non-majors must have permission of the instructor.

Study and analysis of adolescent literature and of methods for teaching literature to various grade levels. Designed primarily for those who will be teaching and dealing with adolescent responses to literature.

ENGL 495**Professional/Technical Communication Internship (5-15)**

Prerequisites: ENGL 305, 404, 407 and 409.
FALL/WINTER/SPRING/SUMMER

Course may be repeated. A minimum of 20 hours work per weeks as a student-intern in technical communications for a cooperating business, industry or agency. Students may earn from 5 to 15 credits.

ENGL 496**Tutoring Internship (1-3)**

FALL/WINTER/SPRING

ENGL 497**Workshops, Short Courses, Conferences (1-5)****ENGL 498****Seminar in Literature or Language (3-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: ENGL 330, 331 or 332 (as appropriate). Various periods of American, English and world literature or special topics in language studies. Some representative topics are: American literature of ethnic minorities, Canadian literature, themes and archetypes in literature, contemporary Black American literature, American drama, literature of the American South, the European novel, linguistics. A student may take the seminar several times; the period or area covered will be listed on the student's permanent record. (May be cross-listed CRWR 498)

ENGL 499**Directed Study (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the instructor and the department chair.

Independent study under faculty direction, adapted to individual needs of the students.

ENGL 503**Information Design (5)**

Prerequisite: Graduate standing or permission of the instructor.

A study of the convergence of the visual and the verbal in professional communication, examining the variable expressive power of text and graphics both individually and in conjunction. Particular attention will be paid to the crafting of information for the World Wide Web. Students will study theories of information design and then apply them in individual and collaborative projects.

ENGL 504**Software Documentation (5)**

Prerequisites: Graduate standing plus familiarity with a word-processing program, or industry experience with software documentation.

A study of the software documentation process. In collaboration with students in CSCD 451, students acquire practical experience in developing document plans and then implementing them in the design and composition of printed user manuals and online help. In addition, students become acquainted with current issues in the field of software user education.

ENGL 507**Proposal Writing (5)**

Investigation of funding sources, use of government documents for research and evaluation of submitted

proposals are among the areas covered. Emphasis is on clear, concise writing of individualized student projects.

ENGL 509**Editing Workshop (5)**

May be taken more than once.

Prerequisite: ENGL 409 or permission of the instructor.

This workshop course will cover special topics in editing. The particular topic covered by each offering of the course will be specified by the wording after the colon, e.g., :Technical Editing in Industry or :The Technical Journal.

ENGL 511**The Composing Curriculum (5)**

Prerequisite: Current English teaching assistantship or permission of the instructor.

A survey of recent composition research as it pertains to curriculum development. Emphasis will be placed on the students' own writing processes as they synthesize and summarize the scholarship in various formats.

ENGL 520**Research Design and Evaluation in Composition (5)**

An introduction to basic principles of research design and to procedures for evaluating writing for research purposes. Both large-scale, programmatic writing assessment techniques and procedures for charting individual writing progress will be studied.

ENGL 521**Graduate Research in Literature (5)**

Prerequisite: Graduate standing.

The bibliography and techniques of literary scholarship and research. A study of manuscript form, a study of bibliography problems and examination and use of scholarly journals.

ENGL 530**Old English (5)**

Prerequisite: Permission of the instructor.

An introductory course in Old English preparatory for reading *Beowulf*. Knowledge of the language: phonology, morphology, syntax and vocabulary. Development of skill in reading through selections in the text.

ENGL 531**Seminar in Medieval Literature (5)**

Medieval English literature, such as love allegory, romances, folk drama, miracle plays, religious and scholastic writings, to be read in the original Middle English where available. Students may select particular areas for intensive work and research.

ENGL 532**Chaucer (5)**

Prerequisite: Graduate standing.

This course deals with specialized aspects of Chaucer's language and literature.

ENGL 533**Seminar in 17th Century Literature (5)**

Various aspects of prose and poetry, with particular emphasis upon Milton, Donne and Dryden. Bacon, Jonson, Burton, Overbury, Selden, Hobbes, Herbert, Browne, Taylor, Cowley, Evelyn, Aubrey, Bunyan, Pepys and Traherne may be the subjects of research by particular students.

ENGL 534**Seminar in 18th Century Literature (5)**

Same approach as ENGL 533, with particular emphasis upon the Augustan Age and the Age of Johnson. Lesser figures like Defoe, Addison, Steele, Akenside, Gray, Collins, Goldsmith and the various novelists may be the subjects for research by particular students.

ENGL 535**Seminar in 19th Century Literature (5)**

Same approach as ENGL 533, with particular emphasis upon the Romantic Movement and the Victorian Age. Students may elect to specialize in particular figures in either period: Shelley, Keats, Byron, Coleridge, Tennyson, Browning, Arnold, etc.

ENGL 536**Seminar in 20th Century British Literature (5)**

A topic based study of the form, meaning, influence, reception and aesthetic value of key British writers of the 20th century.

ENGL 539**Special Topics (1-5)****ENGL 540****Seminar in American Literature to 1860 (5)**

Major figures and ideas of the American Renaissance. Students may select earlier figures from the colonial period and the 18th century, particularly Mather, Edwards, Taylor, Franklin, Paine, Irving, Cooper, etc., for intensive work.

ENGL 541**Seminar in American Literature to 1920 (5)**

The main group of writers of the realistic and naturalistic movement will be studied, with particular emphasis upon Howells, James, Garland, Dreiser, and Norris. Some attention will be given to regional writers like Twain, Harte and Harris and to the American Poetry Renaissance.

ENGL 542**Seminar in American Literature Since 1920 (5)**

Major figures studied will be from among these: Pound, Eliot, Stevens, Jeffers, Williams, Roethke, Ransom, Faulkner, Warren, Hemingway, Bellow, etc.

ENGL 550**Shakespeare Seminar (5)**

Prerequisite: ENGL 350 or permission of the chair.

This course examines in detail a combination or a single selected theme, genre or critical approach in Shakespeare studies. Offerings vary in content, and students may repeat this course for credit with permission of the chair. Term projects are required of all students.

ENGL 553**Major Literary Figures (5)**

Prerequisite: Graduate standing.

Will focus on the work of major figures from either British, American or world literature, considering their biography, the scope and development of their achievement and the stature of their principal works. May be taken more than once; subject matter described by the added wording in the title.

ENGL 555**Contemporary Composition Theory (5)**

Prerequisite: ENGL 511 or 408.

This course will provide students with the historical frameworks for understanding composition theory, acquaint them with major theories and theorists and enable them to draw from contemporary theory for scholarship and pedagogy.

ENGL 556**Computers and Composition (5)**

Prerequisite: ENGL 408 or equivalent.

Survey of research literature on the use of computers for teaching composition. Review of existing software and computer-assisted instructional programs relevant to teaching composition. Develop prototype computerized classroom materials. Attain basic competency in word processing program.

ENGL 560**Modern Grammar (5)**

Prerequisite: ENGL 459.

Analysis of major syntactic rules of English from the standpoint of transformational grammar.

ENGL 562**Contemporary Trends (5)**

Prerequisite: Graduate standing.

Offered in poetry, fiction and nonfiction. Intensive study of selected authors and literary developments, both national and international, since World War II. May be taken more than once; subject matter described by added wording in the title.

ENGL 564**Grammar and Composition (5)**

Prerequisite: ENGL 459 or equivalent knowledge of traditional grammar.

Analysis of basic writing problems (grammatical and punctuation errors and syntactic immaturity) in the writing of secondary students and the development of remediation materials and strategies.

ENGL 568**Writing in Organizations (3)**

Prerequisites: Graduate standing; students must register concurrently for CMST 568.

Core course for the Master of Science in Communications and the Technical Communication concentration in the Master of Arts in English (Rhetoric, Composition and Technical Communication program). The course introduces students to contemporary theories of professional and technical communication in the organizational environment. The major assignment is a problem-solving document for a local business or organization.

ENGL 569**Literature of the Pacific Northwest (5)**

Offered every other year.

A survey of Northwestern literature from 1800 to the present time, including representative exploration journals as well as more recent work by such writers as Hugo, Welch, Kizer, Bass and LeGuin. The course also addresses questions of geography, economics and regional culture as they relate to the literature. (Cross-listed CRWR 569)

ENGL 570**History of Criticism (5)**

Prerequisite: Graduate standing.

A study of major approaches in the evaluation of literature with emphasis on the historical development of Western criticism from classical times to the 1950s. Previous work in literary criticism will be assumed.

ENGL 571**Modern Criticism (5)**

Prerequisite: Graduate standing.

A study of major approaches in 20th century literary criticism with emphasis on developments since the 1950s. Previous work in literary criticism will be assumed.**ENGL 573****History of Rhetoric (5)**A survey of major rhetorical traditions from classical times to the present. Major emphasis will be placed on the decline of invention in classical rhetoric and the rise of new rhetorical systems in the 18th and 20th centuries.**ENGL 575****Contemporary Rhetorical Theories (5)**

In-depth survey of contemporary rhetorical theories—e.g., developmental rhetoric, process rhetoric, new romantic rhetoric, conceptual rhetoric, neo-classical rhetoric.

ENGL 577**Seminar in Professional Preparation (2)**

Prerequisites: ENGL 511 or 408, ENGL 520, ENGL 564, 560, or 459, ENGL 573, ENGL 555.

A seminar for enriching students' skill in responding to and applying theoretical work. It will also prepare students for their MA qualifying exams on their professional practice in rhetoric, composition and technical communication.

ENGL 580**Second Language Acquisition (5)**

Prerequisite: ENGL 360, the equivalent, or permission of the instructor.

Study of theories of language acquisition and development of reading, writing, speaking and listening in a foreign/second language. First language acquisition will also be discussed briefly.

ENGL 581**Second Language Curriculum Design and Assessment (5)**

This is a research-based course, which has no official prerequisite, though some ESL background is highly recommended.

A course directed at prospective ESL teachers and curriculum designers which presents and reviews various current forms of curriculum at all levels (K-13) with an emphasis on secondary and post-secondary, both collegiate and non-collegiate settings.

ENGL 582**Modern Language Methodology (5)**

Examines current theories, methods and research in teaching English and other languages as foreign or second languages. Students may do research in languages other than English. Some foreign language experience would be very helpful, though not necessary.

ENGL 595**Practicum in the Public Schools (1-5)**

The development, reinforcement, integration and application of content gained in previous and concurrent graduate courses. This course is intended for students employed as teachers in the elementary or secondary classroom.

ENGL 596**Experimental Course (1-5)****ENGL 597****Workshops (1-5)***Note: Workshop credit cannot be used to fulfill graduate degree requirements.***ENGL 598****Seminar in Language and Literature (5)**

This course deals with specialized aspects of language and literature. A student may take the seminar several times. The exact content of the course will be indicated in the title to be entered on his or her permanent record. (May be cross-listed CRWR 598)

ENGL 599**Independent Study (1-5)**

Prerequisite: Permission of the instructor.

ENGL 600**Thesis (1-12)**

Prerequisite: Master of Arts in English candidacy.

Independent research study under the direction of a graduate advisory committee.

ENGL 601**Professional Essay (1-12)**

A formally considered summation and emphasis drawn from the principal course work and professional context of the candidate's program.

ENGL 620**Internship in Curriculum Development (1-5)**

May be repeated once.

Training in the assessment and revision of college writing courses.

ENGL 694**Internship in Teaching Developmental Writing (1)**

Training in the procedures, techniques and materials used in developmental writing courses as a part of a college program. Students will have full responsibility for a class while enrolled in this internship.

ENGL 695**Internship in Teaching Rhetoric (1)**

Training in the procedures, techniques and materials used in freshman and sophomore college writing courses. Students will have full responsibility for a class while enrolled in this internship.

ENGL 696**Writers' Center Internship (1-5)**

Graded Pass/No Credit.

Prerequisite: Permission of Writers' Center director. This course includes readings in writing center theory and practice as well as in-depth observation of Writers' Center sessions with professional responders.

ENGL 697**Professional Writing Internship (1-10)**

Intended for graduate students assigned to writing projects in business, government or industry; may be as a campus resident or on location.

ENGL 698**Internship in Instruction (1-5)**

Normally a continuation of ENGL 695 for those graduate students who have teaching assistantships but who are not taking additional courses in the Rhetoric, Composition and Technical Communication program or an external college teaching internship.

ENGLISH LANGUAGE INSTITUTE

College of Arts and Letters
 Mary Brooks, Director
 354 Patterson Hall
 (509) 359-6003

English Language Institute Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement. *ELIC* (classes for credit) and *ELIN* (classes for non-credit).

ELIC/ELIN 111**Writing for Academic Purposes (5)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: ELI 074 or placement.

An integrated skills course to develop writing and grammar fluency in a variety of writing modalities through reading, writing and discussion to prepare students for the multifaceted demands of academic writing. (Cross-listed ENGL 111)

ELIC/ELIN 113**Reading for Academic Purposes (5)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: ELI 074.

An integrated skills course that uses essay and narrative at a university level to develop advanced skills in reading, writing, critical thinking and discussion.

ELIC/ELIN 114**University Seminar (5)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: ELI 064 or placement.

An integrated second language skills course focusing on listening and note taking that prepares students to discuss issues in seminar. Emphasis is given to analyzing, synthesizing and evaluating university level content from lectures and GEGR class observation.

ELIC/ELIN 116**Research Paper (3)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: ELI 074 or placement.

A graduated course designed to familiarize students with the process of writing a research paper, synthesis of multiple sources, critical thinking, avoiding plagiarism and use of library and Internet resources.

ENGLISH AS A SECOND LANGUAGE

College of Arts and Letters
 Gina Mikel Petrie, Program Director
 3545 Patterson Hall
 (509) 359-6938

Minor

Faculty: V.Eberly, G. Petrie

UNDERGRADUATE PROGRAM

The Teaching of English as a Second Language program (TESL) is offered as an interdisciplinary minor in cooperation with the Departments of English, Education and Geography/Anthropology. This program works closely with Spokane area English language programs to form a practical basis to the minor. Senior standing is preferred. One year of foreign language study at the college level or the equivalent is a prerequisite.

The minor in English as a Second Language is designed for teacher preparation for employment in the US (English as a Second Language) and overseas (English as a Foreign Language). Students are prepared through the examination of fundamentals of linguistics and second language acquisition. Following this theoretical basis, methodology, curriculum design, materials development, assessment and teaching demonstration all enable the student to put theory into practice. This program is designed as a sequence through an academic year.

Required courses in the following program of study may have prerequisites. Reference the course description section for clarification.

English as a Second Language Minor (26-27 credits)**Required Courses**

ESLG 480 Second Language Acquisition and Teaching (4)
 ESLG 481 Methodology in Teaching English as a Second or Foreign Language (4)
 ESLG 482 Second Language Materials Development and Adaptation (2)
 ESLG 483 Reading Instruction in a Second Language (3)
 ESLG 485 Assessment in English as a Second or Foreign Language (3)
 ESLG 486 Effective Language Teaching (3)

Electives choose from the following**Highly Recommended:**

ANTH 445 Anthropological Linguistics (5)
 ENGL 360 Language Structure and Use (5)
 ENGL 459 Grammar for Teachers (5)
 ESLG 484 Language Arts and ESL Instruction (3)

Also Recommended:

ANTH 446 Sociolinguistics (3)
 COMD 304 Phonetics (3)
 ENGL 460 Modern Grammar (5)
 ESLG 498 Seminar: Language and Culture in the Content Area (2)
 This number will also describe other workshops:
 Writing Seminar (2)
 Pronunciation Seminar (2)
 Literature Seminar (2)
 ESLG 499 Directed Study

Education majors seeking Washington State Endorsement should follow the core course list and add two courses from the electives list to include:

ESLG 484 Language Arts and ESL Instruction (3)
 One linguistics or grammar based course (3)

Required program credits**19 credits****Elective credits****7-8 credits****Minimum total credits for above minor****26 credits**

Note: This minor satisfies the endorsement for Preschool to grade 12.

English as a Second Language Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

ESLG 480***Second Language Acquisition and Teaching (4)***

FALL

Prerequisites: One year foreign language study or equivalent, ENGL 459, ANTH 445 or linguistics course.

Introduces students to language acquisition theories while demonstrating how methods have evolved because of these theories. A practical application of theory to teaching will be the focus.

ESLG 481***Methodology in Teaching English as a Second or Foreign Language (4)***

WINTER

Prerequisite: ESLG 480.

Provides exposure to the history of second language methodology, and to practical classroom strategies for each skill area and for integration of skills.

ESLG 482***Second Language Materials Development and Adaptation (2)***

WINTER

Prerequisite: ESLG 480, 481.

Familiarizes students with a variety of current ESL materials, introduces students to a variety of L2 teaching strategies, instructs students on how to evaluate ESL materials and provides practical experience in preparing ESL lesson plans and teaching materials.

ESLG 483***Reading Instruction in a Second Language (3)***

SPRING

Prerequisite: ESLG 480, 481, 482.

Incorporates reading theory and research with practical classroom application to specific reading skills.

ESLG 484***Language Arts and ESL Instruction (3)***

WINTER

Prerequisites: ESLG 480 and 481.

Familiarizes students with the learning styles, cultures, needs and characteristics of limited English proficient students enrolled in K-12. The course familiarizes students with the factors involved in the acquisition and development of literacy and instructs students in the preparation and adaptation of content area lessons, utilizing the four skill areas in language learning: listening, speaking, reading and writing.

ESLG 485***Assessment in English as a Second or Foreign Language (3)***

SPRING

Prerequisite: ESLG 480, 481.

Provides exposure to current testing techniques, critical and practical evaluation of test construction, administration and scoring in all skill areas congruent with the principles of communicative language teaching.

ESLG 486***Effective Language Teaching (3)***

SPRING

Prerequisite: ESLG 480, 481.

Provides an opportunity to put theory into practice in all skill areas. Following demonstrations in each skill area, students present mini-lessons then receive written and verbal critique from instructor and peers.



ENVIRONMENTAL SCIENCE

College of Science, Health and Engineering

Biology:

Ross Black
234B Hall of Sciences
(509) 359-4727

Rebecca Brown
254 Hall of Sciences
(509) 359-2528

Suzanne Schwab
268 Hall of Sciences
(509) 359-4727

Chemistry/Biochemistry:

Jeff Corkill
228 Hall of Sciences
(509) 359-6518

Chad Kinney
232 Hall of Sciences
(509) 359-7932

Geology:

John Buchanan, Program Director
120 Hall of Sciences
(509) 359-7493

Rik Orndorff, Advisor
124 Hall of Sciences
(509) 359-2855

BS

UNDERGRADUATE PROGRAM

Required courses in the following program of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Science (BS)

Environmental Science Major (132–137 credits)

The Environmental Science program offers a practical, technically based, cross-disciplinary program centered on biology, chemistry and geology. The program integrates classroom work with extensive field, lab, and research experience and allows students opportunities to interact with working environmental professionals. All students take an identical core of Environmental Science courses complemented by a concentration in one of the three core sciences. Motivated students have the opportunity to obtain a double major in both Environmental Science and their concentration area. Graduates leave Eastern with the opportunity for immediate employment in the environmental profession or for entry into graduate or professional school.

Although a major in Environmental Science may be declared upon arrival at Eastern, students must petition for formal admission to the program after completion of 50 credit hours of the core courses. This formal acceptance must be granted before students enroll in the junior seminar series (ENVS 391–393). To be accepted, a student must have maintained a minimum average GPA of 2.50 in the core courses. After acceptance, students must maintain a 2.50 GPA overall to remain in the program. To finish in four years, it is assumed that students will start the program with the necessary math background to enter into the calculus sequence.

Environmental Science Required Courses (88 credits)

ENVS 100 Introduction to Environmental Science (5)
ENVS 391 Environmental Science Seminar (1)
ENVS 392 Environmental Science Seminar (1)
ENVS 393 Environmental Science Seminar (1)
ENVS 490 Environmental Science Senior Capstone (4)²
BIOL 171 Biology I (4)
BIOL 172 Biology II (4)
BIOL 173 Biology III (4)
BIOL 270 Biological investigation (3)
BIOL 440 Ecology (4)
CHEM 151 General Chemistry (5)
CHEM 152 General Chemistry (5)
CHEM 153 General Chemistry (5)
CHEM 316 Environmental Chemistry (5)
DSCI 303 Applications of Statistics (4)
DSCI 346 Advanced Data Analysis for Business (4)
GEOG 323 GIS for Environmental Science (3)
GEOL 120 Physical Geology - The Solid Earth (5)
GEOL 121 Physical Geology - Surficial Processes (5)
GEOL 220 Environmental Geology (4)
GEOL 470 Hydrogeology (4)
MATH 161 Calculus I (5)
X496 Environmental Reg. Framework (3)¹

Environmental Emphases

Students must satisfy course requirements in any one of the following three subject areas:

Environmental Biology (44-45 credits)

a. Required General Biological Knowledge

Any two of the following: 10 credits

BIOL 301 Microbiology (5)
BIOL 302 Botany (5)
BIOL 303 Invertebrate Zoology (5)
BIOL 304 Vertebrate Zoology (5)

All of the following: 16 credits

BIOL 310 Fundamentals of Genetics (5)
BIOL 423 Systematics and Evolution (5)
BIOL 441 Ecology Lab (2)
BIOL 444 Field Ecology (4)

b. Required Organism and/or Habitat-Specific Knowledge: Any three

BIOL 311 Field Botany (5)
BIOL 324 Entomology (5)
BIOL 405 Limnology (5)
BIOL 407 Aquatic Plants (5)
BIOL 409 Mycology (5)
BIOL 450 Mammalogy (5)
BIOL 452 Parasitology (5)
BIOL 454 Ornithology (5)
BIOL 462 Ichthyology (5)
BIOL 481 Freshwater Invertebrate Zoology (5)

c. Required Applied Biology and Management: Any one

BIOL 406 Water Pollution Biology (3)
BIOL 442 Conservation Biology (4)
BIOL 443 Wildlife Management (4)
BIOL 463 Fisheries Biology and Management (4)

Required environmental science credits	88 credits
General biological knowledge credits	26 credits
Required organism and/or habitat-specific knowledge credits	15 credits
Required applied biology and management credits	3–4 credits
Minimum total credits for above Emphasis	132 credits

Environmental Chemistry (47–49 credits)

a. All Required Supporting Courses

PHYS 151 General Physics (4)
PHYS 152 General Physics (4)
PHYS 153 General Physics (4)
MATH 162 Calculus II (5)

b. All Required General Chemistry Courses

CHEM 304 Quantitative Analysis (6)
CHEM 319 Modern Inorganic Chemistry (5)
CHEM 351 Organic Chemistry (4)
CHEM 352 Organic Chemistry (4)
CHEM 416 Advanced Environmental Chemistry (3)
CHEM 421 Physical Chemistry (4)

c. Chemistry Elective, select one (4-6 credits)

CHEM 353 Organic Chemistry (3) and CHEM 372 Organic Chemistry Lab I (3)
 CHEM 418 Modern Analytical Chemistry (5)
 CHEM 422 Physical Chemistry (3) and CHEM 431 Physical Chemistry Lab (1)
 CHEM 480 Biochemistry (5)

Recommended supporting courses, not required

CSCD 210 Programming Principles (5)
 CSCD 230 Scientific Programming in Fortran (5)
 CSCD 255 C Programming for Engineers (5)

Required environmental science credits	88 credits
Required supporting credits	17 credits
Required general chemistry credits	26 credits
Chemistry elective credits	4-6 credits
Minimum total credits for above emphasis	135 credits

Environmental Geology (46-48 credits)**All Required Geology Courses**

GEOL 122 Historical Geology (5)
 GEOL 311 Mineralogy I (4)
 GEOL 312 Mineralogy II (4)
 GEOL 313 Igneous and Metamorphic Petrology (4)
 GEOL 330 Structural Geology I (4)
 GEOL 331 Structural Geology II (4)
 GEOL 411 Sedimentology and Stratigraphy (4)
 GEOL 463 Environmental Geochemistry (5)³
 GEOL 475 Engineering Geology: Soils (4)
Select any two: (8-10 credits)
 GEOL 360 Geologic Hazards (4)
 GEOL 408 Invertebrate Paleontology (4)
 GEOL 462 Principles of Geochemistry (5)³
 GEOL 465 Analysis of Metals in Environmental Samples (5)³

Required environmental science credits	88 credits
Required geology credits	46-48 credits
Minimum total credits for above emphasis	134 credits

¹Course under development - see Program Director.

²Students in the Environmental Science program will be required to take the Environmental Science capstone. Exceptions will only be made for students pursuing a double major but prior written approval of the Program Director will be required. This exception will ensure that students are not required to take two capstone courses.

³Students may substitute other upper division geology courses with their advisors permission.

Environmental Science Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

ENVS 100**Introduction to Environmental Science (5)**

[satisfies the GEGR for natural sciences, environmental science.]

Prerequisites: CPLA, English and Math clearance.

This course is an introductory exploration of environmental science that emphasizes a scientific approach toward understanding contemporary human interaction with the natural environment. The structure, function and interrelationships of terrestrial, aquatic and atmospheric systems are treated through the application of biological, chemical and geological principles. This course includes a weekly laboratory that uses basic quantitative techniques for collecting and analyzing data from environmental systems.

ENVS 323**GIS Environmental Sciences (3)**

Prerequisite: CPLA 101 or CPLA 120.

Introduction to Geographic Information Systems (GIS) with an emphasis on its applications in the environmental sciences. Course includes hands-on GIS work in the lab. This course satisfies an option for the Certificate in GIS. (Cross-listed GEOG 323)

ENVS 391, 392, 393**Environmental Science Seminar (1 each)**

Prerequisite: Formal admission to the Environmental Science Program.

This course focuses on career development for the Environmental Science student and is given in three 1-credit increments. Students may only enter the sequence in fall and all three courses must be completed sequentially in the same academic year. Interaction with working professionals and refining of oral and written presentation skills are emphasized. During the spring quarter, students will concentrate on preparations for their comprehensive mid-term program assessment and testing. To enroll in this course, students must have completed 50 credit hours in the environmental science core with a minimum GPA of 2.50 in these courses. An accepted petition for formal admission to the program is also required.

ENVS 490**Environmental Science Senior Capstone (4)**

[satisfies senior capstone university graduation requirement.]

Prerequisites: Completion of ENVS 391-393 and senior standing.

The environmental science capstone is the final core course in the program. Students from the three emphasis areas will work as teams and complete an integrative project involving library research, field and lab work. The final will consist of a comprehensive oral and written examination covering all aspects of the environmental science curriculum and the student's concentration area.

FINANCE

See BUSINESS ADMINISTRATION.

FOOD AND NUTRITION/ DIETETICS

Food and Nutrition/Dietetics does not offer a degree program, but the courses support other programs.

Food and Nutrition Dietetics Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

FNDT 356

NUTRITION (5)

FALL/WINTER/SPRING

Prerequisite: CHEM 162.

Nutrients, processes of digestion, absorption, metabolism and nutritive requirements. For health science majors.

FNDT 456

NUTRITION AND AGING (3)

WINTER

Prerequisites: Successful completion of a 200-level English course and MATH 100 or Mathematics clearance by Test. (In addition, if you are earning an Aging Studies minor, you should have taken AGST 310 or have special permission of the instructor.)

Current information regarding nutrition and its relationship to aging. Topics covered are: theories and physical aspects of aging, nutrition and aging, dietary studies and nutrition programs serving the elderly. Class activities include development of nutrition education materials for this population group.

FRENCH

See MODERN LANGUAGES AND LITERATURES AND PHILOSOPHY.

GEOGRAPHY

Stacy Warren, Chair, Department of Geography and Anthropology
103 Isle Hall
(509) 359-2433

BA

Minors

Certificates

Faculty: M. Folsom, L. Quinn, R. Quinn, D. Turbeville, S. Warren

UNDERGRADUATE PROGRAMS

The Department of Geography and Anthropology offers courses of study leading to the Bachelor of Arts in Geography. Minors in Geography are also offered, as well as a Certificate in Geographic Information Systems (GIS) and Wetlands Science and Management. The Geography program is designed for students seeking professional careers in environmental fields, GIS, education and graduate study. Typical career fields include computer cartography and GIS, urban and regional planning, community development, environmental analysis, park ranger, intelligence analyst, hydrologist, climatologist, natural resources specialist, demographer, historic preservation specialist and numerous other related environmental fields.

The Department of Geography has a number of physical facilities available for student use in conjunction with course work. Included are a cartography lab, a map library, and a GIS and computer-mapping laboratory.

Admissions Requirements for Geography and Anthropology: Students who plan to become candidates for advanced degrees are advised to complete two years of a foreign language. Also, Geography majors are advised to take at least one course in statistics.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)

Geography Major (60-65 credits)

The Geography program has four major missions: 1) providing general education courses to enrich the liberal arts offerings in both the sciences and social sciences; 2) offering specialized or more advanced courses to service other programs in the University; 3) providing a solid academic major for students wishing to pursue graduate study or work as a professional; and 4) supporting research, consulting and other services for the region. Cooperative studies and programs are coordinated with Environmental Science, Biology, Geology, History, Children's Studies, International Studies Affairs, and Urban Regional Planning.

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses

Disciplinary Foundation Courses

GEOG 100 Fundamentals of the Physical Environment (5)

GEOG 101 Fundamentals of Human Geography (5)

CSBS Foundation Courses

CSBS 310 Foundations of SBS Theory (5)

Choose one of the following

CSBS 320 Introductory Statistics for the Social Sciences (5)

CSBS 330 Integrated Social Science Methods (5)

CSBS 331 Documents-Based Research Methods (5)

GEOG 328 Geographic Information Systems I (5)

Disciplinary Core Courses

GEOG 201 Introduction to Field Research (5)

GEOG 227 Introduction to Map and Air Photo Analysis (3)

GEOG 230 World Regional Geography (5)

GEOG 392 History and Philosophy of Geography (2)

GEOG 490 The Geographer's Capstone (5)

Elective Concentration*Choose one of the following***CSBS Certificate Program**

Students may select one of the approved interdisciplinary certificate programs from the CSBS Certificate Program List, with approval of the Geography Program Director. Additional Geography electives may be required to reach the 20 credit minimum if the approved Certificate is less than 20 credits.

Geography Graduate School Track

Students may follow the traditional four field focus (human, physical, regional, technical) that is the expected preparation for graduate school. See full Geography Graduate School Track list below.

Specialization Track

Under certain circumstances, students may be allowed to design 20 to 25 credit group of electives that best expose them to the branch of geography they wish to pursue, with approval of the Geography Program Director.

Geography Graduate School Track Course work

Select a minimum of five credits from each of the following four groups, for a total of 20 credits minimum

Human:

- GEOG 250 Global Economic Development (3)
- GEOG 317 Resources and Conservation (3)
- GEOG 355 The Geography of Theme Parks (2)
- GEOG 357 The Geography of Childhood (3)
- GEOG 406 Women and Men in the Cultural Landscape (1)
- GEOG 450 Global Transportation Development (3)
- GEOG 451 Field Studies (2-10)
- GEOG 458 Historical Geography of North America (3)
- GEOG 459 Political Geography (3)
- GEOG 465 Urban Geography: Origins, Forms and Functions (3)
- GEOG 469 Built Environments of North America: Symbol and Structure (3)

Physical:

- GEOG 204 Atmospheric Environment (5)
- GEOG 305 Introduction to Oceanography (5)
- GEOG/BIOG 306 Forest and Rangelands (5)
- GEOG/BIOG 312 Fundamentals of Soil Science (4)
- GEOG 314 Weather and Climate (5)
- GEOG 315 Surface Hydrology (4)
- GEOG 325 Wetland Science I (4)
- GEOG 410 Geomorphology (5)
- GEOG 414 Regional Climatology (3)
- GEOG 420 Applied Geography Studies (2-5)

Regional:

- GEOG 330 Geography of the Pacific Northwest (4)
- GEOG 331 Geography of North America (4)
- GEOG 332 Geography of Latin America (4)
- GEOG 333 Geography of Monsoon Asia (4)
- GEOG 498 Seminar in Geography (1-5)

Techniques:

- GEOG 328 Geographic Information Systems I (5)
- GEOG 329 Air Photo Interpretation (5)
- GEOG 420 Applied Geographic Studies (2-5)
- GEOG 427 Desktop Mapping (3)
- GEOG 428 Geographic Information Systems II (5)

Disciplinary foundation credits 10 credits

Social and behavioral sciences foundation credits 10 credits

Disciplinary core credits 20 credits

Elective credits 20-25 credits

Minimum total credits for above major 60 credits

Note: A minor is strongly recommended for the Geography BA.

Geography Minor (14-15 credits)**Required Courses**

- GEOG 100 Fundamentals of the Physical Environment (5)
- GEOG 101 Fundamentals of Human Geography (5)

Electives

Select courses in consultation with department advisor.

Required program credits 10 credits

Elective credits 4-5 credits

Minimum total credits for above minor 14 credits

Certificate in Geographic Information Systems (24-30 credits)

The Certificate in Geographic Information Systems offers students an intensive, interdisciplinary course of study in the field of Geographic Information Systems (GIS) technology. Candidates must take four required classes and choose three additional classes from a list of options for a total

of 24-30 credits. All students study a core of computer mapping and spatial analysis basics, and then focus on their own application area (e.g. wildlife biology, wetlands, programming, cartographic design). An internship or similar participation in a 'real world' GIS project is a required component of the certificate program. This certificate program is open to all majors and post-degree students. In order to qualify for admission to the GIS Certificate Program, full-time EWU students must hold a GPA of 3.0 or higher, and be entering or past their junior year, or obtain special permission from the certificate program advisor. Post-degree continuing education students who did not graduate from their previous school with at least a 3.0 will be admitted on a probationary basis.

Required Certificate Courses

- GEOG 328 Geographic Information Systems I (5)
- GEOG 428 Geographic Information Systems II (5)
- GEOG 429 Geographic Information Systems III (5)
- GEOG 493 GIS Portfolio (2)

Electives

GIS Specialty: Choose one of two for three credits

- GEOG 427 Desktop Mapping (3)
- or GEOG 499 Directed Study (3)

Interdisciplinary: Choose one course for 1-5 credits

- GEOG 323 GIS Environmental Science (3)

Application Area: Choose one course for 3-5 credits

Student selects appropriate (non-GIS) course with approval of Certificate advisor; to complement chosen application area focus, e.g. Soils, Wetlands, Visual Basic, Global Issues.

**PLAN 496 Experimental Course (1-5 credits) can be substituted for the Interdisciplinary requirement on approval of the GIS Certificate Program advisor.*

A 3.0 grade or higher must be earned in each course for it to count toward the Certificate.

Required program credits 17 credits

Elective credits 7-13 credits

Minimum total credits for above certificate 24 credits

Certificate in Wetlands Science and Management (31-33 credits)

The Certificate in Wetlands Science and Management provides EWU students with a focused training in the field of Wetland Science. The curriculum encompasses both the physical science that defines wetlands and the social context of wetlands in terms of their functions and value to society. Successful completion of the Wetlands Certificate requires 23 credits of required class work and 8 to 10 credits of electives for a total of 31 to 33 credits. Course work is interdisciplinary, blending together classes from biology, geography and planning. This certificate program is open to all majors.

Required Certificate Courses

- BIOG 311 Field Botany (5)
- GEOG 312 Fundamentals of Soil Science (4)
- GEOG 325 Wetland Science I (4)
- PLAN 430 Environmental Planning (5)
- GEOG 490 The Geographer's Capstone (5)

Electives

Students must choose two courses (8 to 10 credits) from the following list of elective courses:

- BIOG 405 Limnology (5)
- BIOG 406 Water Pollution Biology (3)
- BIOG 407 Aquatic Plants (5)
- GEOG 315 Surface Hydrology (4)
- GEOG 328 Geographic Information Systems I (5)
- GEOG 410 Geomorphology (5)
- GEOG 470 Hydrogeology (4)
- PLAN 431 Environmental Impact Statements (3)
- PLAN 440 Land Use Planning (5)

Other courses can be substituted as electives if selected in consultation with and approved by the Wetlands Certificate coordinator.

Required program credits 23 credits

Elective credits 8-10 credits

Minimum total credits for above certificate 31 credits

GRADUATE PROGRAM

The Department of Geography and Anthropology does not offer a graduate degree program but does offer graduate level course work on a limited basis.

Geography Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

GEOG 100**Fundamentals of the Physical Environment (5)**

[satisfies the GEGR for natural sciences, geography.]

An introduction to the principal components of the earth's natural systems of weather, climate, water, soils, natural vegetation and landforms and their interrelationships.

GEOG 101**Fundamentals of Human Geography (5)**

[satisfies the GEGR for social sciences, list 2, anthropology, geography, psychology and sociology.]

An introduction to the study of spatial variations among human cultures and the patterns of interaction between humans and the natural environment, with special emphasis on topics including language, religion, demography, political systems, technology, agriculture, manufacturing and urbanization.

GEOG 115**Investigating Earth Science (5)**

[satisfies the GEGR for natural sciences, geology.]

Prerequisite: Basic skills clearance in mathematics.

For students planning to teach elementary school. Includes inquiry-based earth science investigations that support science instruction outlined in the National Science Education Standards and Washington Essential Academic Learning Requirements. (Cross-listed GEOL 115)

GEOG 201**Introduction to Field Research (5)**

This course presents the fundamentals of field research design and performance.

GEOG 204**Atmospheric Environment (5)**

[satisfies the GEGR for natural sciences, geography.]

Prerequisite: Mathematics clearance.

An introduction to the earth-atmosphere system. The course surveys the physical nature of the atmosphere including weather elements, weather systems and climate. The course addresses the social and environmental issues related to natural and human induced changes in the composition of the atmosphere.

GEOG 227**Introduction to Map and Air Photo Analysis (3)**

The primary focus of this course is mastering the uses of maps and remote imagery as sources of geographic information, both environmental and cultural. Special attention will be directed toward maps as communication devices. The course assumes no specific prior knowledge about maps and mapping and will be of value for those wishing to move on to cartography and geographic information systems (GIS) courses as well as general background for social science and education majors.

GEOG 230**World Regional Geography (5)**

[satisfies international studies university graduation requirement.]

A survey of world geographical relationships. Includes an examination of the distribution of selected physical and human phenomena and the processes responsible for the distributions and the varying interrelationships from place to place between humans and the environment.

GEOG 250**Global Economic Development (3)**

This course is a survey of the patterns, structures and locational principles of economic activity, including world regional and historical economic development, natural resources, agriculture, manufacturing, transportation, communications and the distribution of service sectors. Particular emphasis will be placed on the process of globalization, free trade and the increasing significance of space and place in the 21st century global economy.

GEOG 299**Special Studies (1-15)**

Subjects studied vary according to faculty and student interest.

GEOG 300**Physical Geography (5)**

Prerequisite: GEOG 100 or permission of the instructor. Systematic study of physical events and processes within the human environment including elements of landforms, weather and climate, vegetation and soils.

GEOG 301**Human Geography (5)**

Prerequisite: Successful completion of ENGL 201.

A study of humans, focused on their interaction with the physical and cultural environments of the earth.

GEOG 305**Introduction to Oceanography (5)**

Prerequisite: Mathematics clearance.

An introduction to the nature, occurrence, distribution and interrelationships of phenomena in the oceans, the basins and margins.

GEOG 306**Natural Vegetation Ecology of North America (5)**

Prerequisite: GEOG 100 or permission of the instructor.

This course is an introduction to the processes and patterns of vegetation, emphasizing the Pacific Northwest. (Cross-listed BIOL 306)

GEOG 312**Fundamentals of Soil Science (4)**

Prerequisite: Successful completion of MATH 100 or Mathematics clearance by test.

A general introduction to physical, chemical and biological properties of soils. (Cross-listed BIOL 312)

GEOG 314**Weather and Climate (5)**

Prerequisite: GEOG 204 or 10 credits of upper division science or permission of the instructor.

Includes the principles of meteorology, description and use of instruments, weather and climate controls.

GEOG 315**Surface Hydrology (4)**

Prerequisite: Mathematics clearance.

A comprehensive treatment of the hydrologic environment of the earth. Topics include: components of the hydrologic cycles, hydrography of major climate regions, water quality assessment and global water resource problems.

GEOG 317**Resources and Conservation (3)**

Studies the nature and distribution of natural resources, and problems and principles of their use and conservation.

GEOG 321**GIS for Social Sciences (3)**

Prerequisite: CPLA 101

Introduction to Geographic Information Systems (GIS) with an emphasis on its applications in the Social Sciences, including census data, demographic analysis, social justice and related mapping of social phenomena. Course includes hands-on GIS work in the lab.

GEOG 323**GIS for Environmental Sciences (3)**

Prerequisite: CPLA 101 or CPLA 120.

Introduction to Geographic Information Systems (GIS) with an emphasis on its application in the Environmental Sciences. Course includes hands-on GIS work in the lab. This course satisfies an option for the Certificate in GIS. (Cross-listed ENVS 323)

GEOG 325**Wetland Science I (4)**

Prerequisite: Permission of the instructor.

An introduction to the fundamental processes that form and sustain wetlands. Emphasizes the distinctive hydrology, soils and vegetation of wetlands and field experience in delineation. Examines issues of regulation. Focus is on Pacific Northwest wetlands.

GEOG 328**Geographic Information Systems I (5)**

Prerequisite: Computer literacy.

Introductory survey of geographic information systems. Focus is on (1) computer techniques for the input, storage, manipulation, analysis, and output of spatial data, and (2) the social and administrative creation and dissemination of geographic information. Lecture and laboratory.

GEOG 329**Air Photo Interpretation (5)**

Prerequisite: Junior standing or permission of the instructor.

Aerial photographs as records of the earth surface; recognition, measurement and interpretation of natural and man-made features.

GEOG 330**Geography of the Pacific Northwest (4)**

Prerequisite: Junior standing.

An introduction to regional geographic studies on a local scale. A survey and appraisal of the interrelated elements of the economy, resources, population and physical environment as they affect the growth and development of the region.

GEOG 331**Geography of North America (4)**

North America occupies a strategic place in world geography owing to its central location with regards to Europe, Asia and Latin America; its industrial power, its role in regional and world organizations, and the distinctive national characteristics and traditions that its peoples have developed. Bounded east and west by the Atlantic and Pacific oceans, on the north by the Canadian Arctic, and on the south by the deserts of northern Mexico, North America has evolved from a fragmented, wilderness-bound collection of native and European cultural nodes to the largest and most powerful economy in the world. This course provides an overview of the major geographic regions of the continent based on physical environments, settlement, natural resources, transportation and industry, urbanization, and cultural and ethnic diversity.

GEOG 332**Geography of Latin America (4)**

Prerequisite: Junior standing.

The study of the physical and human geography of the Americas south of the Rio Grande. Emphasizes explanatory description.

GEOG 333**Geography of Monsoon Asia (4)**

This course is a regional study of non-Russian Asia and adjacent islands, from humid monsoon lands of the far east to the arid eastern Mediterranean.

GEOG 334**The Historical Geography of Canada (4)**

Canada occupies a strategic place in world geography owing to its central location with regard to Europe, Asia and the United States; its resource base, its role in regional and world organizations, and the distinctive national characteristics and traditions that its peoples have developed. This course provides an overview of the major geographic regions of Canada based on physical environments, history, settlement patterns, natural resources, transportation and industry, urbanization, and cultural and ethnic diversity. (Cross-listed HIST 334)

GEOG 335**The Geography of the Pacific Rim (4)**

The growing importance of the nations surrounding the Pacific Ocean in world economic development and international relations has been apparent since the early 1900s, but today—at the threshold of a new century—it is of critical importance. The destiny of the United States, and the Pacific Northwest in particular, is inextricably linked to events in such places as China, Japan, the Koreans, Indonesia, Australia, Latin America, Canada and Russia, to name but a few. This course will focus on the major trading nations of the Pacific Rim and examines their relationships with the nations of North America and each other with an approach that blends geography, economics, political science and cultural awareness.

GEOG 355**The Geography of Theme Parks (2)**

Prerequisite: ENGL 201

Examination of the geographic history and characteristics of the theme park as a 'serious' part of the built environment. We consider the environmental, economic, political, cultural, architectural and technological impacts of theme parks on urban and suburban space around the world.

GEOG 357**The Geography of Childhood (3)**

Prerequisite: ENGL 201

Examination of the geographic aspects of childhood across space and time. Focus on how cultures in different places and at different times have created, maintained, and controlled spaces for children, including where children are born, who cares for infants, the conditions of schooling, leisure spaces provided and the 'virtual geographies' of television and the Internet.

GEOG 390**Earth Science Teaching Methods (1)**

FALL

Prerequisite: GEOL 120, GEOL 121, GEOG 314, PHYS 121; EDUC 303 or permission of the instructor. SCED 390 co-requisite.

This course is designed for Earth Science majors planning to teach middle school, junior, or senior high school. It includes the development of curriculum and the organization of teaching materials, techniques, and evaluation. (Cross-listed GEOL 390)

GEOG 392**Seminar in History and Philosophy of Geography (2)**

Prerequisite: Junior standing or permission of the instructor.

The development of geographic thought from early to contemporary time.

GEOG 399**Directed Study (1-15)**

Maximum of 6 credits may be earned. Prerequisites: Permission of the instructor and the department chair.

Individual study concerned with an appropriate problem closely directed by a geography staff member. Science or social studies credits may be earned depending on the nature of the problem undertaken.

GEOG 406**Women and Men in the Cultural Landscape (1)**

The created landscape reflects human values and experience. This course examines ways in which women and men create, use and experience the humanized landscape. We will examine spatial patterns of human activity from a variety of times and places, linking geographic theory to everyday environments. The course will include map work, slide analysis and a field exercise as tools for identifying and interpreting cultural landscapes. (Cross-listed WMST 406)

GEOG 410**Geomorphology (5)**

Prerequisite: GEOG 100 or GEOL 121 or permission of the instructor.

This course treats the development of the surface features of the earth caused by mountain-building, weathering, erosion and deposition.

GEOG 414**Regional Climatology (3)**

Prerequisite: GEOG 204 or 314 or permission of the instructor.

Provides a study and analysis of nature, distribution and function of climate controls and elements and the climate regions of the world.

GEOG 420**Applied Geographic Studies (2-5)**

Prerequisite: Junior or permission of the instructor.

Problem formulation and analysis as they apply to geographic studies. Practical use of geographical techniques mainly for student-originated studies. The course may be repeated for different problems. Credits vary, depending on type of study undertaken.

GEOG 427**Desktop Mapping (3)**

Prerequisite: CPLA 101 or permission of the instructor.

Advanced production of maps and related graphics using computer techniques. Emphasis is placed on the design and creation of thematic maps. Lecture and laboratory.

GEOG 428**Geographic Information Systems II (5)**

Prerequisite: GEOG 328.

Advanced course in geographic information systems and their applications. Through detailed examination of conceptual issues and in-depth laboratory work, students develop and implement a project that involves the computer analysis of spatial data. Lecture and laboratory.

GEOG 429**Geographic Information Systems III (5)**

Prerequisite: GEOG 428, or instructor's permission.

Advanced course in geographic information systems and their applications. Each student will be responsible for designing and carrying out a GIS project using real world data. Course required for certification in GIS.

GEOG 450**Global Transportation Development (3)**

Prerequisite: GEOG 101 or permission of the instructor.

Transportation, involving the movement of goods, people and information, is the most tangible expression of interaction between regions and places. Because it is a major force in shaping the landscape, transportation studies assume a central position in the field of geography. The creation of rapid and economical access is central to the process of development at local, regional and national scales. Changes in modes of transport, particularly since the mid-19th century, have revolutionized trade, travel and communication. The evolution of transport networks has been critical in fostering urbanization and a specialized space economy. In this course we will explore the basic concepts of geographical transportation analysis and apply them to a variety of historical and contemporary topics.

GEOG 451**Field Studies (2-10)**

Prerequisite: Permission of the instructor.

The course may be repeated for different problems, variable credit, or by permission of the instructor.

Extended field study of topics of special geographic interest in the US or foreign areas.

GEOG 458**Historical Geography of North America (3)**

Prerequisite: Junior standing or permission of the instructor.

This course offers a different way of analyzing the expansion and development of the United States, Canada and northern Mexico. It is intended as a complement and a critique to more common versions of American history. The primary focus will be based on the demonstration of broader geographic contexts and a far greater concern for the character and significance of place, location and environment, and for how geographic structures, systems and change are fundamental to a deeper understanding of what the United States and Canada are really like and how they came to be this way.

GEOG 459**Political Geography (3)**

Prerequisite: Junior standing or permission of the instructor.

Spatial aspects of political phenomena. Examines the geographical environment as it affects and is affected by political phenomena.

GEOG 465**Urban Geography: Origins, Forms and Functions (3)**

Urbanization has been such a central aspect of human civilization that the forces affecting cities and towns are almost as diverse as those shaping culture itself. This course in urban geography will deal with two major aspects of urbanization: the role, purpose and evolution of cities; and the processes at work in our society that both create and transform the physical structure of cities. Because urban places are central to our economy as well as society, we will consider a broad and varied range of material from other academic disciplines, with the primary focus on the North American city.

GEOG 469**Built Environments of North America:
Symbol and Structure (3)**

Prerequisite: GEOG 101 or permission of the instructor.
This course is a survey of North American architectural landscapes from the colonial period to the present. This course will examine such topics as the diffusion of major styles of residential, commercial and public architecture across the continent, the relationship of geology and climate to the availability of building materials and technology, and the effects of these on the human built environment, especially in the Pacific Northwest. Special emphasis will be placed on the visual differentiation of building styles and the symbolic, political and philosophical foundations of architectural form and decoration.
(Cross-listed with HIST 469, PLAN 469)

GEOG 490**The Geographer's Capstone (5)**

Prerequisite: Senior standing or permission of the instructor.
[satisfies senior capstone university graduation requirement.]
This course is a departmental capstone highlighting original geographic research projects designed by students, integrating both physical and human geography topics. The course culminates in a "Geography Conference" that students plan and host to display their work.

GEOG 493**GIS Portfolio (2)**

Prerequisite: GEOG 429 or instructor's permission.
Exit synthesis for the certificate in GIS or related GIS studies. Students will produce two versions of a GIS portfolio highlighting their GIS work, one in hard copy and one on the web using appropriate web publishing and map serving software.

GEOG 495**Internship (1-15)****GEOG 497****Workshops, Short Courses,
Conferences (1-15)****GEOG 498****Seminar (1-5)**

Prerequisites: 15 credits successfully completed in geography or permission of the instructor.
Advanced group study. Discussion topics selected for each seminar.

GEOG 499**Directed Study (1-15)**

Prerequisites: Permission of the instructor and the department chair.

GEOLOGY

College of Science, Health and Engineering

Ernest H. Gilmour, Chair

130 Hall of Sciences

(509) 359-2286

geol@mail.ewu.edu

website: www.geology.ewu.edu/geology

BA, BS

Minor

Faculty: J. Buchanan, T. Doughty, E. Gilmour, L. McCollum,
R. Orndorff, J. Thomson.

Adjunct: A. Bookstrom, R. Derkey, T. Frost, M. Hamilton, M. Zientek

UNDERGRADUATE PROGRAMS

Geology is the science of planet Earth. Geologists use elements of chemistry, physics, biology and mathematics in interpreting the evolution of the earth and its life forms. Applied geology addresses exploitation of earth resources, environmental quality and hazards and practical understanding of the planet on which we live.

Geology is a field-oriented science, and our curriculum emphasizes field studies. However, geologists increasingly employ advanced chemical and physical analytic techniques and use computers to model natural systems. Eastern has specialized laboratory facilities for analytical geochemistry. Extensive collections of minerals, rocks and fossils are available for study and research.

Nationwide, approximately half of recent geology graduates are employed in environmental fields while a third go on to graduate school. Most of the rest go into the petroleum industry, teaching, government or mining. The Geology Department has close relations with geotechnical/environmental consulting firms, government agencies and mining companies in the Pacific Northwest. These relationships help to place students and graduates in jobs.

Students should decide on a geology major early to ensure timely graduation with the many credits needed in the Bachelor of Science program. For the BS in Geology, ENGL 205 Introduction to Technical Communication, and GEOG 328 and 428 Geographic Information Systems are desirable. Substitutions of courses in the Geology major must be approved by the department. Interested students should contact the department for guidance as early as possible. Most graduate schools require a full year of calculus.

An opportunity exists to earn a double major with a BS in both Geology and Environmental Science. (See catalog section on Environmental Science.)

General Admissions Requirements for Geology: High school students planning to major in Geology should take two years of algebra, one year of geometry/trigonometry, and one year of chemistry and physics. They are also encouraged to take four years of English. The ability to express ideas and concepts clearly and concisely, both orally and in written form, is fundamental to all sciences.

Entering freshmen and transfer students electing to major in Geology should contact the Department for advising as soon as possible. Failure to do so may result in an additional year to finish the BS program. Especially important for beginning students is early completion of the chemistry sequence.

Grade Requirement:

2.50 cumulative average

2.0 in each course

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)

The Bachelor of Arts serves students interested in geology-oriented fields which do not require the full range of professional training. Employment opportunities include such varied possibilities as park naturalist, urban and regional planner or geological technician.

Geology Major (61–62 credits)

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses

GEOL 120 Physical Geology - The Solid Earth (5)
 GEOL 121 Physical Geology - Surficial Processes (5)
 GEOL 122 Historical Geology (5)
 GEOL 311 Mineralogy I (4)
 GEOL 312 Mineralogy II (4)
 GEOL 313 Igneous and Metamorphic Petrology (4)

Required Supporting Courses

CHEM 151 General Chemistry (5)
 CHEM 152 General Chemistry (5)

Choose one from the following:

BIOL 171 Biology I (4)
 GEOG 328 Geographic Information Systems I (5)
 GEOG 410 Geomorphology (5)
 MATH 161 Calculus I (5)
 MATH 380 Elementary Probability and Statistics (5)
 PHYS 131 Introductory Physics I (4) and PHYS 161 Mechanics Lab (1)

Electives

GEOL 220 Environmental Geology (4)
 GEOL 330 Structural Geology I (4)
 GEOL 331 Structural Geology II (4)
 GEOL 360 Geologic Hazards (4)
 GEOL 408 Invertebrate Paleontology (4)
 GEOL 411 Sedimentology and Stratigraphy (4)
 GEOL 470 Hydrogeology (4)
 Geology field course (up to 5 credits)

Required program credits	27 credits
Required supporting credits	14–15 credits
Elective credits	20 credits
Minimum total credits for above major	61 credits

Note: An end of program assessment will be required.

Bachelor of Science (BS)

The Bachelor of Science program prepares students for careers as professional geologists, provides the basis for admission to graduate school and prepares students seeking registration and licensing as professional geologists. Some courses in the BS degree will also count as Natural Science GEGRs and satisfy the University proficiency in Mathematics requirement.

Geology Major (101–106 credits)**Required Courses**

GEOL 120 Physical Geology - The Solid Earth (5)
 GEOL 121 Physical Geology - Surficial Processes (5)
 GEOL 122 Historical Geology (5)
 GEOL 311 Mineralogy I (4)
 GEOL 312 Mineralogy II (4)
 GEOL 313 Igneous and Metamorphic Petrology (4)
 GEOL 330 Structural Geology I (4)
 GEOL 331 Structural Geology II (4)
 GEOL 408 Invertebrate Paleontology (4)
 GEOL 411 Sedimentology and Stratigraphy (4)
 CHEM 151 General Chemistry (5)
 CHEM 152 General Chemistry (5)
 CHEM 153 General Chemistry (5)
 GEOG 323 GIS for Environmental Science (3)
 MATH 161 Calculus I (5)
 MATH 162 Calculus II (5)

or MATH 380 Elementary Probability and Statistics (5)

Approved Geology Field Camp (6–8)¹

Choose one of the following sequences: 12–15 credits

PHYS 151 General Physics I (4)
 PHYS 152 General Physics II (4)
 PHYS 153 General Physics III (4)
 PHYS 161 Mechanics Lab (1)
 PHYS 162 Heat and Optics Lab (1)
 PHYS 163 Instrumentation Lab I (1)

or

PHYS 131 Introductory Physics I (4)
 PHYS 132 Introductory Physics II (4)
 PHYS 133 Introductory Physics III (4)
 PHYS 161 Mechanics Lab (1)
 PHYS 162 Heat and Optics Lab (1)
 PHYS 163 Instrumentation Lab I (1)

or

BIOL 171 Biology I (4)
 BIOL 172 Biology II (4)
 BIOL 173 Biology III (4)

Electives

Select credits from Geology courses, 8 of which must be upper-division.

Required program credits	89–94 credits
Elective credits	12 credits
Minimum total credits for above major	101 credits

¹See Department Chair for approval of field camp from another university.

Note: GEOL 307 may not be used to fulfill the upper-division electives for the BS degree in Geology.

Note: An end of program assessment will be required.

Geology Major with Environmental Option (102–109 credits)

The environmental option is designed to prepare students for employment in environmental geology and to provide a foundation for registration and licensing in the State of Washington. Students selecting this option should consult the faculty advisor early in their program to select courses suitable for the specific career they wish to pursue. Field camp is recommended but not required for this option.

Required Courses

GEOL 120 Physical Geology - The Solid Earth (5)
 GEOL 121 Physical Geology - Surficial Processes (5)
 GEOL 122 Historical Geology (5)
 GEOL 220 Environmental Geology (4)
 GEOL 311 Mineralogy I (4)
 GEOL 312 Mineralogy II (4)
 GEOL 313 Igneous and Metamorphic Petrology (4)
 GEOL 330 Structural Geology I (4)
 GEOL 331 Structural Geology II (4)
 GEOL 411 Sedimentology and Stratigraphy (4)
 GEOL 463 Environmental Geochemistry (5)
 GEOL 470 Hydrogeology (4)
 GEOL 475 Engineering Geology: Soils (4)

Select 2 from the following: 9–10 credits

GEOL 360 Geologic Hazards (4)
 GEOL 462 Principles of Geochemistry (5)
 GEOL 465 Analysis of Metals in Environmental Samples (5)
 GEOG 410 Geomorphology (5)

Required Supporting Courses

CHEM 151 General Chemistry (5)
 CHEM 152 General Chemistry (5)
 CHEM 153 General Chemistry (5)
 GEOG 323 GIS for Environmental Science (3)
 MATH 161 Calculus I (5)
 MATH 162 Calculus II (5)

One additional year selected from Biology, Chemistry, Computer Science, Geography, Geology, Mathematics or Physics. Selection must be made in consultation with the Geology Department and the courses must be exclusive of those taken as part of the Environmental Science core (9–15)

Required program credits	65–66 credits
Supporting credits	37–43 credits
Minimum total credits for above major	102 credits

Note: GEOL 307 may not be used to fulfill the upper-division electives for the BS degree in Geology-Environmental Option.

Note: An end of program assessment will be required.

Minor**Geology Minor (24 credits)****Required Courses**

GEOL 120 Physical Geology - The Solid Earth (5)
 GEOL 121 Physical Geology - Surficial Processes (5)
 GEOL 122 Historical Geology (5)
 GEOL 307 Rocks and Minerals (5)
 Geology elective (4)

Total credits for above minor	24 credits
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Geology Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

GEOL 100

Discovering Geology (5)

FALL/WINTER/SPRING/SUMMER

[satisfies the GEGR for natural sciences, geology.]

This course explores the interactions between human beings and their geological environment. The earth is a dynamic planet affected by sudden, violent events such as volcanic eruptions, earthquakes and floods, as well as by slower processes operating over long time spans that create, move and destroy continents and oceans. Other topics include study of energy, mineral and water resources and their importance to modern society. Topics are presented at a level intended for nonscience majors. Satisfies lab science requirement at most universities.

GEOL 115

Investigating Earth Science (5)

[satisfies the GEGR for natural sciences, geology.]

Prerequisite: Basic skills clearance in mathematics.

For students planning to teach elementary school. Includes inquiry-based earth science investigations that support science instruction outlined in the National Science Education Standards and Washington Essential Academic Learning Requirements. (Cross-listed GEOG 115)

GEOL 120

Physical Geology - The Solid Earth (5)

FALL/WINTER

[the completion of geol 120 counts as one course for the GEGR in natural sciences, geology; the completion of geol 120 and 121 counts as two courses for the GEGR for natural sciences, geology.]

GEOL 120 and 121 may be taken in either order. Prerequisites: Two semesters of high school chemistry, MATH 104 or equivalent.

Introduction to physical geology for students interested in earth and environmental science. This course covers the origin of the earth, its internal structure and minerals, rocks and volcanoes. Earthquakes, mountains and continental drift are discussed in the context of plate tectonics. The formation of mineral deposits is also covered. Weekly laboratories and one field trip are required.

GEOL 121

Physical Geology - Surficial Processes (5)

WINTER/SPRING

[the completion of geol 121 counts as one course for the GEGR in natural sciences, geology; the completion of geol 120 and 121 counts as two courses for the GEGR for natural sciences, geology.]

GEOL 120 and 121 may be taken in either order. Prerequisites: GEOL 120 or 100, CPLA 101, MATH 104 or equivalent.

Introduction to physical geology for students majoring in geology, earth science or environmental science. This course emphasizes the quantitative analysis of processes that shape the earth's surface (gravity, wind, water and ice) including weathering and erosion, the creation of sediments and sedimentary rocks, and the development of landforms. Energy resources and the concept of earth systems are also explored. Weekly laboratories and one field trip are required.

GEOL 122

Historical Geology (5)

SPRING

Prerequisite: GEOL 121.

Introduction to earth history for students majoring in geology, earth science or environmental science. This course covers the diversity of life, catastrophic extinctions and the effect of biologic change on the environment. The basic principles of stratigraphy,

use of stable isotopes to interpret sedimentary environments, and the stratigraphic and tectonic history of the earth are also explored. Other topics include identification of the common fossil groups, survey of the fossil record in the context of geological evolution and practice using geologic maps. Weekly laboratories and one field trip are required.

GEOL 205

Geology of the National Parks (5)

[satisfies the GEGR for natural sciences, geology.]

Geological methods, concepts, materials and processes illustrated through examples found in national parks in the United States. Rock formation, landform evolution, plate tectonics, physical and climatological changes through geologic time are examined. Field trip or alternate assignment; laboratory and term paper required.

GEOL 220

Environmental Geology (4)

WINTER

Prerequisite: GEOL 120 or 121.

Relationship of human activities with earth materials and processes, water quality, atmospheric composition, waste disposal, natural resources, the importance of an interdisciplinary approach to environmental problems. Field trips emphasize local environmental problems. Laboratory.

GEOL 252

Caves (2)

A survey of the cave environment with emphasis on its geologic development. Field trip to local cave required.

GEOL 297

Workshops, Short Courses,

Conferences (1-5)

At a lower division level.

GEOL 299

Special Studies (1-5)

FALL/WINTER/SPRING/SUMMER

Prerequisite: Permission of the instructor.

Topics vary with interest of student and instructor.

GEOL 307

Rocks and Minerals (5)

SPRING

Does not satisfy elective requirements for the BS Degree in Geology. Prerequisite: GEOL 100 or 120.

This course, designed for Earth Science BAE majors, involves a survey of the common rocks and minerals in the earth's crust, including their occurrence, associations and uses. Methods of identification are stressed during required in-class lab exercises. One optional weekend field trip will be offered.

GEOL 311

Mineralogy I (4)

FALL

Prerequisites: GEOL 120 and CHEM 151. CHEM 151 may be taken concurrently with GEOL 311.

The student majoring in geology will learn how to describe the external morphology of well-formed crystals using crystallographic techniques and will gain an understanding of the composition, origin, occurrence, distribution and significance of the most abundant non-silicate minerals (native elements, sulfides, oxides and hydroxides, halides, carbonates and sulfates). Weekly laboratories and one weekend field trip required.

GEOL 312

Mineralogy II (4)

WINTER

Prerequisite: GEOL 311.

The student in the second course of a three-course series will gain an understanding of the structure, composition, origin, occurrence, distribution and significance of the most abundant silicate minerals. The techniques of optical mineralogy using a petrographic microscope will be introduced as a tool for mineral identification. Weekly laboratories required.

GEOL 313

Igneous and Metamorphic Petrology (4)

SPRING

Prerequisites: GEOL 311 and 312

The third course in a series is a comprehensive study of the classification, description, and origin of igneous and metamorphic rocks. Students will learn about the use of minerals in helping to interpret the geologic and tectonic significance of the rocks in which they are found. The course builds on skills learned in GEOL 311 and 312 and stresses hand sample and thin section descriptive techniques. Weekly laboratories as well as one weekend field trip are required. Additional field trips may be offered.

GEOL 330

Structural Geology I (4)

WINTER

Prerequisite: GEOL 120.

Analysis of the kinematics and mechanics of rock deformation and an introduction to geologic structures. Laboratory introduces the solution of structural geology problems, the map-based interpretation of geologic structures and the creation of geologic cross sections. Weekly laboratory exercises. Designed to be taken in series with GEOL 331.

GEOL 331

Structural Geology II (4)

SPRING

Prerequisite: GEOL 330.

Continuation of an introduction to geologic structures from GEOL 330 and an exploration of the plate tectonic setting of geologic structures. Introduction to the field study of geologic problems with weekly field trips that emphasize the collection and analysis of geologic field data to solve structural problems. Weekly field trips and laboratory exercises required.

GEOL 338

Discovering Women in Science (1)

The course uses several scientific themes to rediscover from the past, and find in contemporary research, the women who have made significant contributions to science.

(Cross-listed BIOL 338, CHEM 338, HIST 338, PHYS 338, PSYC 338, WMST 338)

GEOL 360

Geologic Hazards (4)

Prerequisite: GEOL 100 or 115 or 120 or 121, or GEOG 100 or 115.

Introduction to geologic hazards affecting humankind; emphasis on earthquakes, volcanism, floods and landslides. Applications to geological site engineering and city/regional planning.

GEOL 380**World Resources and Population (5)**

[satisfies international studies university graduation requirement.]

Interaction between population and resource utilization. Renewable and non-renewable energy resources, food and water supply, soil erosion and degradation, and deforestation will be related to population growth.

GEOL 390**Earth Science Teaching Methods (1)**

FALL

Prerequisite: GEOL 120, GEOL 121, GEOG 314, PHYS 121; EDUC 303 or permission of the instructor. SCED 390 co-requisite.

This course is designed for Earth Science majors planning to teach middle school, junior or senior high school. It includes the development of curriculum and the organization of teaching materials, techniques, and evaluation. (Cross-listed GEOG 390)

GEOL 397**Workshops, Short Courses, Conferences (1-5)****GEOL 400****Advanced Topics in Geology (4)**

Prerequisites: Senior class standing and permission of the Undergraduate Advisor.

Current problems in geology. Topics will depend on interest of instructors and students.

GEOL 401**Women and Men in Science (1)**

The course will examine the impact made by classroom interactions, laboratory procedure, text books and language on women's participation in secondary or postsecondary science. It will make recommendations for gender balanced choices in these areas, and it will introduce women role models from the past for use in science history and other science courses. (Cross-listed BIOL 401, WMST 401)

GEOL 408**Invertebrate Paleontology (4)**

WINTER

Prerequisites: GEOL 121, 122, or permission of the instructor.

Principles of paleontology including methods of description and analyses of invertebrate fossils. Emphasis on principles of morphology and evolutionary development of invertebrates and the use of invertebrate fossils in biostratigraphy and paleoecology. Laboratory.

GEOL 411**Sedimentology and Stratigraphy (4)**

FALL

Prerequisite: GEOL 122, 307 or 312, or permission of the instructor.

Study of the origin of sediments and sedimentary rocks for advanced geology majors. Description and interpretation of facies and environments of deposition, and classification of clastic and chemical sedimentary rocks is emphasized. Stratigraphic principles, nomenclature and correlation is also treated. Lecture and weekly laboratory.

GEOL 442**Petroleum Geology (4)**

Prerequisite: GEOL 122 or permission of the instructor. Character, distribution, origin and recovery of petroleum.

GEOL 455**Colorado Plateau Geology (2)**

Course fee. Prerequisite: GEOL 100 or 205, or permission of the instructor.

A week-long field study of the rocks and landforms of the Colorado Plateau region, specifically in Arches and Canyonlands National Parks. Geologic evolution and structural geology of the region will be discussed and the ancient sedimentary environments of deposition will be emphasized. Field trip held during the week of spring break.

GEOL 462**Principles of Geochemistry (5)**

Prerequisites: GEOL 311, 312, 313, or permission of the instructor.

Abundance of elements in the solar system. Origin, chemical evolution and composition of the earth; distribution and migration of chemical elements; differentiation history of the earth into crust, mantle and core. Origin and evolution of the hydrosphere and atmosphere. Chemical processes involved in weathering of rocks, chemical sedimentation and diagenesis.

GEOL 463**Environmental Geochemistry (5)**

Prerequisite: CHEM 152 or permission of the instructor.

Application of principles of geochemistry to environmental problems, including air and water pollution, water-rock interactions, weathering and soil formation. Origin, distribution and transport of inorganic contaminants in air, water, soils, sediments and plants. The behavior of trace elements in near surface environments.

GEOL 465**Analysis of Metals in Environmental Samples (5)**

Prerequisite: CHEM 152 or permission of the instructor.

Practical application of flame, graphite furnace and cold vapor atomic absorption, inductively coupled argon plasma emission spectrometry and inductively coupled plasma mass spectrometry for analysis of major and trace elements in water, waste water, soils, sediments, solid wastes and biological samples. Emphasis on the Environmental Protection Agency's methods for the determination of metals in environmental samples, including quality assurance and quality control procedures.

GEOL 470**Hydrogeology (4)**

Prerequisites: GEOL 120 or 121, MATH 106, or permission of the instructor.

Relationship between groundwater and geologic materials, emphasizing quantitative analysis and principles governing groundwater flow. Lecture and weekly lab.

GEOL 475**Engineering Geology: Soils (4)**

SPRING

Prerequisites: GEOL 220, 313, 411 or 470 or permission of the instructor.

Engineering geology of soil and rock is closely related to geotechnical engineering. It includes the properties of soils and rock units related to hydraulic conductivity, compressibility, consolidation, fractures and stress.

GEOL 490**Senior Thesis (4)**

FALL/WINTER/SPRING

Graded Pass/No Credit.

[satisfies senior capstone university graduation requirement.]

Prerequisites: Senior standing and permission of the instructor.

Directed research on a geological problem and organization of the results for oral and written presentation. End of program assessment will be required. May be used to fulfill the Senior Capstone requirement.

GEOL 495**Practicum (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: Permission of the department chair.

Participation in supervised experiences involving acquisition of data or applications of knowledge to help solve geologic problems. Credits earned in this course are not applicable to degree requirements.

GEOL 496**Experimental Courses (1-5)****GEOL 497****Workshops, Short Courses, Conferences (1-5)****GEOL 498****Seminars (1-5)****GEOL 499****Directed Study (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: Permission of the instructor.

Seminar in a selected field of geology to suit a student's need. May be repeated for a total of 15 credits if a different study is undertaken each time.

GERMAN

See MODERN LANGUAGES AND LITERATURES AND PHILOSOPHY.

GOVERNMENT

College of Social and Behavioral Sciences

David May, Chair

208D Patterson Hall

(509) 359-2363, (509) 359-2412

BA

Minor

Faculty: M. Buckley, K. Edquist, T. Hawley, J. Headley, S. Maboney, D. May

UNDERGRADUATE PROGRAMS

The Department of Government and the International Affairs Program offer courses focusing largely on the study of political science, a liberal arts discipline which seeks to understand the political condition and potential of humanity. Each of the department's three degree programs is designed to provide the student with a broad understanding of political phenomena suitable to a liberal arts degree. Thus each, regardless of its specific content, requires courses in political philosophy, in American political institutions and processes, and in comparative and/or international politics. In addition, the pre-law program is designed to prepare the student for a particular vocational goal. The department's International Affairs Program provides a more interdisciplinary approach to the study of government and politics. The discipline of Political Science — and therefore the program of the Department of Government — is strongly committed to a liberal arts orientation. In concert with the rest of the University the department believes also in linking traditional liberal arts preparation with meaningful career preparation through the inclusion of minor and supporting course work and/or through student involvement in certificate programs in this or other departments. Employment opportunities for graduates are many and varied. A number of those who graduate each year continue their studies in law or other professional and graduate programs. A similar number find employment in the public sector, or with domestic or international business firms. Opportunities also exist in party politics, campaign organizations, the military forces or with the communications media.

The department maintains close relations with the programs in Criminal Justice and contains the International Affairs program. In each, selected government courses are required parts of the core curriculum.

Internship and Work-Study Programs for Students: The department maintains a dynamic internship program which provides practical experience with local political and governmental agencies and annually sponsors a Winter Quarter in Olympia in which selected students intern with the Washington State Legislature. When possible, it is strongly urged that students include an internship as a part of their program.

In addition to external internships, students may gain practical experience through a combination of work/study and internship with a particular faculty member. Students qualifying for such programs assist the professor to whom they are assigned with research work in an area of the faculty member's interest. The Department has an active faculty with diverse research interests who have produced books and monographs, presented papers at conventions of national and regional Political Science associations and of other, more specialized scholarly organizations, and completed research grants funded by agencies of the government. The opportunity to assist in such work is of value particularly to those students planning to continue their studies, or to work in the public sector in areas necessitating faculty guidance in research techniques.

Pi Sigma Alpha: In the Spring of 1982, the Nu Gamma Chapter of Pi Sigma Alpha, the National Political Science Honorary Society, was chartered at Eastern. This student organization serves as a vehicle for recognition of outstanding academic achievement in government and complements the department's participation in the University Honors Program. Pi Sigma Alpha sponsors a number of social and intellectual programs for students and faculty, and with its help the department attempts to maintain contact with its graduates to make available to students their experiences and insights into the value of an education in government.

General Admissions Requirements for Government: Successful completion of ENGL 100 or its equivalent is required of all majors in Government; successful completion of a 200-level English course is strongly recommended for all majors in government. Course offerings at the 300-400 level are designed to provide maximum flexibility for faculty and students. Consequently, formal prerequisites are not generally practical; however, students taking a 400-level course as a part of the major requirement are urged to first complete a 300-level course in the same area.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)

The 55-credit major is designed for the student with a relatively casual interest in the political realm who wishes to combine such interest with study of another major or minor field. The 70-credit major is designed for those with a more concentrated interest in government who do not wish to complete a structured minor or who may be interested in graduate study in political science. The 85-credit Pre-law Major is designed for students interested in law school or work as a paralegal.

Government Major (55 credits)

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Note: THIS OPTION REQUIRES A SEPARATE MINOR OR GOVT/CSBS APPROVED CERTIFICATE PROGRAM FOR COMPLETION.

Note: NO SUBSTITUTIONS FOR CORE COURSES.

Introductory Courses

- GOVT 100 Modern Government in American Context (5)
- GOVT 203 Introduction to Comparative Politics (5)
 - or GOVT 204 Introduction to International Politics (5)
- GOVT 313 Classical Political Thought (5)
 - or GOVT 314 Modern Political Thought (5)

Social and Behavioral Sciences Foundation Courses

At least two of the following courses

- GOVT 339 Political Field Research (5)
- GOVT 498 Seminar in Government (5)
- CSBS 320 Introductory Statistics for the Social Sciences (5)
- CSBS 330 Integrated Social Science Methods (5)
- CSBS 331 Documents-Based Research Methods (5)

Disciplinary Core

Three 300 level courses with at least one course from each of the following areas: Political Philosophy, American Government, International Relations/Comparative Politics

Certificate or Elective Concentrations

Two 400 level courses from two of the following areas

One additional 300 or 400 level course

(One 400 level requirement may be met with GOVT 490)

(Only one 400 level requirement may be satisfied from the other courses category)

Political Philosophy:

- GOVT 305 Jurisprudence (5)
- GOVT 313 Classical Political Thought (5)
- GOVT 314 Modern Political Thought (5)
- GOVT 315 Theoretical Problems of Modern Politics (5)
- GOVT 316 Foundations of Political Society (5)
- GOVT 317 American Political Thought (5)
- GOVT 410 Topics in Political Theory (5)

American Government and Politics:

- GOVT 300 Law and the Legal Process (5)
- GOVT 301 Supreme Court and Public Policy (5)
- GOVT 302 Criminal Procedure (5)
- GOVT 304 Equality, Discrimination and the Law (5)

GOVT 305 Jurisprudence (5)
 GOVT 306 Basic Concepts of Criminal Law (5)
 GOVT 307 American Constitution (5)
 GOVT 308 The American Polity (5)
 GOVT 310 Administrative Politics in the United States (5)
 GOVT 311 Introduction to American Public Management (5)
 GOVT 317 American Political Theory (5)
 GOVT 330 American Local Government and Politics (5)
 GOVT 331 American Federalism and State Politics (5)
 GOVT 335 Legislative Politics (5)
 GOVT 336 Political Parties and Elections (5)
 GOVT 400 Topics in American Politics (5)

International Relations/Comparative Politics:

GOVT 320 International System (5)
 GOVT 321 International Organization (5)
 GOVT 322 International Political Economy (5)
 GOVT 323 American Foreign Policy (5)
 GOVT 326 Politics of Western Europe (5)
 GOVT 327 Politics of the Developing Nations (5)
 GOVT 328 Politics of People's Republic of China (5)
 GOVT 329 Survey of the Pacific Rim: Asia (5)
 GOVT 402 Topics in International Relations and Comparative Politics (5)

Other

GOVT 397 Workshop in Government
 GOVT 497 Workshop in Government
 GOVT 403 Honors in Government
 GOVT 495 Public Affairs Internship
 GOVT 499 Directed Study

Capstone

GOVT 490 Governance - Senior Capstone (5)

Introductory credits	15 credits
Social and behavioral sciences foundation credits	10 credits
Disciplinary core credits	15 credits
Certificate/elective concentration credits	15 credits
Total credits for above major	55 credits

Government Major (70 credits)

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Note: NO SUBSTITUTIONS FOR CORE COURSES.

Introductory Courses

GOVT 100 Modern Government in American Context (5)
 GOVT 203 Introduction to Comparative Politics (5)
 or GOVT 204 Introduction to International Politics (5)
 GOVT 313 Classical Political Thought (5)
 or GOVT 314 Modern Political Thought (5)

Social and Behavioral Sciences Foundation Courses**At least two of the following courses**

GOVT 339 Political Field Research (5)
 GOVT 498 Seminar in Government (5)
 CSBS 320 Introductory Statistics for the Social Sciences (5)
 CSBS 330 Integrated Social Science Methods (5)
 CSBS 331 Documents-Based Research Methods (5)

Disciplinary Core

Four 300 level courses with at least one course from each of the following areas: Political Philosophy, American Government, International Relations/Comparative Politics

Certificate or Elective Concentrations

Three 400 level courses from at least two of the following areas

Two additional 300 or 400 level courses

Only one 400 level requirement may be satisfied from the other courses category

Political Philosophy:

GOVT 305 Jurisprudence (5)
 GOVT 313 Classical Political Thought (5)
 GOVT 314 Modern Political Thought (5)
 GOVT 315 Theoretical Problems of Modern Politics (5)
 GOVT 316 Foundations of Political Society (5)
 GOVT 317 American Political Thought (5)
 GOVT 410 Topics in Political Theory (5)

American Government and Politics:

GOVT 300 Law and the Legal Process (5)
 GOVT 301 Supreme Court and Public Policy (5)
 GOVT 302 Criminal Procedure (5)
 GOVT 304 Equality, Discrimination, and the Law (5)

GOVT 305 Jurisprudence (5)
 GOVT 306 Basic Concepts of Criminal Law (5)
 GOVT 307 American Constitution (5)
 GOVT 308 The American Polity (5)
 GOVT 310 Administrative Politics in the United States (5)
 GOVT 311 Introduction to American Public Management (5)
 GOVT 317 American Political Theory (5)
 GOVT 330 American Local Government and Politics (5)
 GOVT 331 Federalism and State Politics (5)
 GOVT 335 Legislative Politics (5)
 GOVT 336 Political Parties and Elections (5)
 GOVT 400 Topics in American Politics (5)

International Relations/Comparative Politics:

GOVT 320 International System (5)
 GOVT 321 International Organization (5)
 GOVT 322 International Political Economy (5)
 GOVT 323 American Foreign Policy (5)
 GOVT 326 Politics of Western Europe (5)
 GOVT 327 Politics of Developing Nations (5)
 GOVT 328 Politics of People's Republic of China (5)
 GOVT 329 Survey of the Pacific Rim: Asia (5)
 GOVT 402 Topics in International Relations and Comparative Politics (5)

Other

GOVT 397 Workshop in Government
 GOVT 497 Workshop in Government
 GOVT 403 Honors in Government
 GOVT 495 Public Affairs Internship
 GOVT 499 Directed Study

Capstone

GOVT 490 Governance - Senior Capstone (5)

Introductory credits	15 credits
Social and behavioral sciences foundation credits	10 credits
Disciplinary core credits	20 credits
Certificate/elective concentration credits	25 credits
Total credits for above major	70 credits

Government Major with Pre-Law Option (85 credits)

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Note: NO SUBSTITUTIONS FOR CORE COURSES.

Introductory Courses

GOVT 100 Modern Government in American Context (5)
 GOVT 205 The Study of Law (5)
 or CSBS 331 Documents-Based Research Methods (5)
 GOVT 302 Criminal Procedure (5)
 GOVT 307 Constitutional System (5)

Pre-Law Electives (two of four without duplication)

GOVT 300 Law and the Legal Process (5)
 GOVT 301 The Supreme Court and Public Policy (5)
 GOVT 304 Equality, Discrimination and the Law (5)
 GOVT 306 Basic Concepts of Criminal Law (5)

Disciplinary Core**Restricted Options**

GOVT 313 Classical Political Thought (5)
 or GOVT 314 Modern Political Thought (5)
 GOVT 305 Jurisprudence (5)
 or GOVT 315 Theoretical Problems of Modern Politics (5)
 or CSBS 310 Foundations of Social and Behavioral Sciences Theory (5)

Government Electives (at least one from each pairing)

GOVT 203 Introduction to Comparative Politics (5)
 or GOVT 204 Introduction to International Relations (5)
 GOVT 310 Administrative Politics (5)
 or GOVT 331 American Federal System and State Politics (5)
 GOVT 320 The International System (5)
 or GOVT 323 American Foreign Policy (5)
 GOVT 335 Legislative Process (5)
 or GOVT 336 Political Parties and Elections (5)

Elective Requirements

Outside Elective Requirements (Select a two course series) (10 credits)

ECON 200 Introduction to Microeconomics (5)
 and ECON 201 Introduction to Macroeconomics (5)
 ENGL 205 Introduction to Technical Communication (5)
 and ENGL 305 Professional Communication (5)
 PHIL 210 Critical Thinking (5)
 and PHIL 301 Introduction to Formal Logic (5)

Or other outside elective pairing with written permission of advisor.

Three 400 level courses from the following areas

(Only one 400 level requirement may be satisfied from the other courses category)

American:

GOVT 400 Topics in American Politics (5)

Political Philosophy:

GOVT 401 Topics in Political Theory (5)

International Relations/Comparative Politics:

GOVT 402 Topics in International Relations and Comparative Politics (5)

Other

GOVT 497 Workshop in Government

GOVT 403 Honors in Government

GOVT 495 Public Affairs Internship

GOVT 499 Directed Study

Capstone

GOVT 490 Governance - Senior Capstone (5)

Introductory credits 20 credits

Pre-law elective credits 10 credits

Restricted option credits 10 credits

Government elective credits 20 credits

Outside elective requirement credits 10 credits

400-level credits 15 credits

Total credits for above major 85 credits

Minor

Government Minor (15 credits)

Required Courses

GOVT 100 Modern Government in American Context (5)

GOVT 203 Introduction to Comparative Politics (5)

or GOVT 204 Introduction to International Politics (5)

Select one course from the 300-400 level below 495 (5 credits)

Total credits for above minor 15 credits

Government Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

GOVT 100

Modern Government in American Context (5)

FALL/WINTER/SPRING/SUMMER

[satisfies the GEQR for social sciences, list 1, economics and government.]

A general introduction to the concepts, methods and concerns involved in the study of government, this course discusses fundamental ideas such as power, ideology and constitutionalism; the citizen role in democratic politics; the structure and processes of major governmental institutions; and selected areas of policy making. Emphasizes the comparison of the American political system with that of other major, chiefly democratic, systems.

GOVT 203

Introduction to Comparative Politics (5)

FALL/WINTER

[satisfies international studies university graduation requirement.]

An introduction to concepts, such as state, power, ideology and political phenomena, emphasizing similarities and differences in selected political systems.

GOVT 204

Introduction to International Politics (5)

FALL/SPRING

[satisfies international studies university graduation requirement.]

A basic introduction to the nature of politics in the international arena, with special attention to the instruments of national power, diplomacy, international law and the role of various international organizations and alliance systems.

GOVT 205

The Study of Law (5)

SPRING-EVERY OTHER YEAR

An introduction to the study of law emphasizing familiarity with the common law system, the development of skills in case and statutory analysis, the fundamentals of legal research and writing and an introduction to the law school admission test. Intended for the student of any major who is thinking of going to law school.

GOVT 299

Special Studies (1-5)

FALL/WINTER/SPRING

Prerequisite: Permission of the instructor.

Subjects studied vary according to faculty and student interest.

GOVT 300

Law and the Legal Process (5)

FALL

A survey of the role of law in society and processes by which disputes and ultimately public policy questions are settled through legal-judicial processes. This includes examination of judicial processes from the trial court level through the Supreme Court of the United States.

GOVT 301

The Supreme Court and Public Policy (5)

An examination of the functions, operations and impact of the Supreme Court on American politics with emphasis on the processes of decision-making and on the court's relationships to the government structure.

GOVT 302

Criminal Procedure (5)

SPRING

Prerequisite: GOVT 300.

An examination of the philosophic and legal bases for the protection of the rights of the criminally accused, with emphasis on Supreme Court decisions on the 4th, 5th, and 6th Amendments and on the due process clause of the 14th Amendment.

GOVT 304

Equality, Discrimination and the Law (5)

WINTER-EVERY OTHER YEAR

An investigation of the legal problems surrounding claims by various groups for equal treatment. The course emphasizes the problems of racial, economic, sexual, political and religious discrimination.

GOVT 305

Jurisprudence (5)

WINTER-EVERY OTHER YEAR

An examination of the fundamental concepts of law such as the nature of the legal order, the concept of rules, the idea of legal justice and the nature of legal reasoning.

GOVT 306

Basic Concepts of Criminal Law (5)

FALL/SPRING

A survey of the basic concepts and content of the American substantive criminal law, including consideration of the purposes of the criminal law, the basic concepts utilized to define criminal offenses, defenses to criminal charges and examination of selected substantive offenses; e.g., assault, homicide, larceny.

GOVT 307

The Constitutional System (5)

An examination, through the study of decisions of the United States Supreme Court, of the principal structural features of the American governmental system - particularly separation of powers and federalism, and of the development of the powers of the national government and its legislative, executive and judicial branches in the light of the powers retained by the states.

GOVT 308

The American Polity (5)

WINTER

The study of a political system as a polity looks at the functioning of political institutions in their social and historical context. All modern states have governments which are thought to be necessary to the functioning of their societies, but the differences in the way those governments actually function often illustrate important differences in the societies they serve.

GOVT 310

Administrative Politics in the United States (5)

FALL

A survey of administrative politics in the United States, emphasis on the growth of the chief executive office (president, governor, mayor) in American politics; executive-legislative, executive-bureau relations; and the role of the bureaucracy in our pluralist political system.

GOVT 311**Introduction to American Public Management (5)**

SPRING

A survey of the application of rational management methods to American government, with emphasis on the political theories underlying the use of rational management techniques in the United States, the interplay between political reform and the development of modern management science, and the conflicts between managerial and political values in the American governmental system.

GOVT 313**Classical Political Thought (5)**

FALL/WINTER

This course acquaints students with the political ideas of the classical world as found in the writings of Plato, Aristotle, St. Augustine, Cicero and Machiavelli.

GOVT 314**Modern Political Thought (5)**

WINTER

An examination of the contribution to our understanding of political life of the major political philosophers from Machiavelli to Marx.

GOVT 315**Theoretical Problems of Modern Politics (5)**

SPRING-EVERY OTHER YEAR

Identification and analysis of a number of conceptual and evaluative issues. Some of the most salient are: the proper role of a citizen in the modern nation state; the nature of democracy and totalitarianism; the characteristics and appropriate limits of political power; the nature of the good society; and the question of revolution.

GOVT 316**The Foundations of Political Society (5)**

WINTER-EVERY OTHER YEAR

The general purposes served by the very existence of government may be grouped under three headings: maintenance of the social order, enforcement of moral conventions and construction of institutions for coping with the environment. The complex relationships which subsist between various options which a society may choose are the subject of this course.

GOVT 317**American Political Thought (5)**

FALL-EVERY OTHER YEAR

A critical examination of the interplay of ideas and action in the American tradition. Examines questions such as authority, democracy, community, individualism, constitutionalism and political economy through the writings of selected theorists and publicists.

GOVT 320**The International System (5)**

FALL

An analysis of change and its direction in international politics. Assesses the historical past and explores future possibilities. Evaluates alternative theories of international behavior. Examines special problems such as nuclear armaments, coercion, diplomacy and morality in international politics.

GOVT 321**International Organization (5)**

WINTER

[satisfies international studies university graduation requirement.]

A study of the purposes, structures and approaches of international organizations within the world community. Focuses primarily on the United Nations system, its significance from the standpoint of global, national and individual perspectives.

GOVT 322**International Political Economy (5)**

SPRING

Prerequisite: GOVT 204 or instructor permission. This class examines the ways in which the structure and processes of the global political economy affect the economic choices of states, firms and individuals in international trade, monetary relations, investments, transnational corporations and development.

GOVT 323**American Foreign Policy (5)**

SPRING

An analysis of important cases in American foreign policy formulation since WW II. Emphasizes bureaucratic factors that shape foreign policy decisions.

GOVT 325**Introduction to Russian Politics (5)**

WINTER

A survey of Russia's transition from the Soviet past to its present attempt to create a modern, law-governed, democratic society. Special attention is focused on the problems inherent to democratic institution building within a culture lacking significant democratic roots.

GOVT 326**Politics of Western Europe (5)**

FALL

[satisfies international studies university graduation requirement.]

An in-depth study of political life in Great Britain, France and West Germany, with emphasis on the origins and contemporary practices of parliamentary democracy in Europe. (The course is taught from a comparative perspective with two main purposes in mind: to convey an important body of knowledge and to stimulate thought and discussion on the diversity of democratic government. The American experience with political democracy serves as a constant reference point for lectures and discussions.)

GOVT 327**Politics of the Developing Nations (5)**

WINTER-EVERY OTHER YEAR

An analysis of the problems of political development in the developing nations emphasizing the dilemmas of political development in traditional and transitional societies with special reference to nation-building, economic development and social change; ideologies and political development; and elites, parties, military and bureaucracies.

GOVT 328**Politics of the People's Republic of China (5)**

WINTER-EVERY OTHER YEAR

An examination of Chinese political institutions and their functions with emphasis on the political culture, party apparatus, military and leadership. Additional reference is made to the process of political socialization and recruitment.

GOVT 329**Survey of Pacific Rim: Asia (5)**

SPRING-EVERY OTHER YEAR

[satisfies international studies university graduation requirement.]

Prerequisite: ENGL 201.

An introduction to the dynamics of the diverse and independent Asian Pacific Rim Nations. Specific attention will be drawn to the dynamics of change, development strategies, regional and international trade, military and security relationships, political elites and the political process.

GOVT 330**American Local Government and Politics (5)**

WINTER/SUMMER

Survey of local government in the United States with special emphasis on public policy formation and its political consequences.

GOVT 331**American Federal System and State Politics (5)**

FALL

A survey of the background and operation of the American federal system, emphasizing the governments of the states and localities.

GOVT 335**American Legislative Politics (5)**

WINTER

An analysis and evaluation of the concept of representation, the structure and process of conventional representative institutions and the relationships between these institutions and contemporary policy-making centers. The analysis considers the relationship between representation, policy and legitimate authority.

GOVT 336**Political Parties and Elections (5)**

WINTER

An analysis and evaluation of political party systems with a focus on the party system as a channel for political participation and choice as a means of institutionalizing social conflict and as an agent providing leadership and direction for political change.

GOVT 339**Political Field Research (1-5)**

FALL/WINTER/SPRING

A project-oriented seminar emphasizing the gathering, processing, and analysis of primary research data. Techniques used, e.g., survey research, content analysis, voting analysis, explanatory modeling, etc., vary with the selection of a particular seminar project.

GOVT 350**Contemporary Political Problems (1-5)**

FALL/WINTER/SPRING/SUMMER

A topical course designed to accommodate the interest of the general student and the department faculty. Topics vary from quarter to quarter and are listed in the quarterly course announcement. Recent offerings include Citizen and the Law, and Pacific Rim. Analysis of contemporary problems may be under the guidance of one or more department members.

GOVT 351**Reason in Public Policy (4)**

FALL

Policies are said to be means to ends, but where the policy is public, the question is whether policy can mirror the ends of the whole society or just some part of it. Selected political debates illustrate ideological, interest and "scientifically neutral" ways in which policies are justified in the name of the public.

GOVT 397**Workshop in Government (1-5)**

FALL

Specialized offerings in a workshop-type situation of materials emphasizing current topics and problems in the political arena.

GOVT 400**Topics in American Politics (5)**

An intensive examination of selected questions in the arena of American political institutions, processes, and public policy. Topics vary from quarter to quarter and include executive reorganization, congressional reform, politics and the press, post-partisan politics and various policy impact studies that cover the values of individual choice and problems of political economy.

GOVT 401

Topics in Political Theory (5)

Each of the topics chosen for this course explores in some depth the fundamental relationship between such common political phenomena as obligation, consent, freedom, law, authority, etc. The course is structured so that even when the particular topic is quite narrow, its development touches on the major nodes in the web of relationships these phenomena have with one another.

GOVT 402

Topics in International Relations and Comparative Politics (5)

Selected topics, depending on student and faculty research interests, including international law, international organization, problems of the international political system, comparative political analysis, causes of political change and political stability, modernization and political development, causes and results of revolutions and the impact of social forces on the political system.

GOVT 403

Honors in Government (5)

FALL/WINTER/SPRING/SUMMER

Invitation of the instructor only.

Preferably upper-division standing and major in government. Topics to vary according to instructor's and students' interest.

GOVT 490

Governance - Senior Capstone (5)

WINTER/SPRING

[satisfies senior capstone university graduation requirement.]

This seminar examines issues of Global Governance in the 21st century, inviting students to explore trends and transformations in: international politics, the global economy, technology, the world's environment. The importance of context - from the global and holistic to the local and personal - is emphasized throughout the course, requiring corresponding research, analysis and reflection. Students will better understand and gain deeper insight into the dynamics of change, the forces which shape our present and future. Furthermore, the course encourages personal engagement, in the interest of relevance and pragmatism, through individual study and group interaction. The seminar combines conventional pedagogy with computer-mediated instruction and research on the Internet. Students will become proficient in applying principal Internet tools - e-mail, web browsers, telnet and search engines - working extensively with resources available on the Internet. (Cross-listed INST 490)

GOVT 495

Public Affairs Internship (1-5)

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the instructor and the department chair.

Guided field experience designed to acquaint you with the formation and instrumentation of public policy; involves actual work with a political party, interest group, legislative body or administrative agency.

GOVT 498

Seminar (1-5)

WINTER

Prerequisite: Permission of instructor.

An in-depth analysis of particular political phenomena, with emphasis on student research. Usually offered on an interdisciplinary basis in cooperation with other departments offering similar courses.

GOVT 499

Directed Study (1-5)

FALL/WINTER/SPRING

Prerequisite: Permission of the instructor and department chair.

Projects in selected fields of government.



HEALTH EDUCATION

See PHYSICAL EDUCATION, HEALTH AND RECREATION.

HEALTH SERVICES ADMINISTRATION

College of Business and Public Administration
Mary Ann Keogh Hoss, Program Director
353 Riverpoint Building
(509) 358-2230 or 358-2263
E-mail: mhoss@mail.ewu.edu

BA

Minor

Certificate

Faculty: M. Hoss

UNDERGRADUATE PROGRAMS

The Health Services Administration Program is offered by the College of Business and Public Administration. This Interdisciplinary program is designed for students interested in a variety of careers in the field of health services administration. Positions are with long term care facilities, health maintenance organizations, mental health agencies, health insurance companies, home health agencies, health maintenance organizations, mental health agencies, health insurance companies, home health agencies, health departments, academic medical centers, various regulatory agencies and community-based agencies among others. Responsibilities carried out by health managers/administrators include: budgeting/financial management, planning, human resource management, data analysis, marketing and public relations, general and departmental administration.

The required courses come from health services administration, business, health and economics. In addition, the program suggests that the student complete an option in a specific sub-specialty. Examples of options include: aging, private sector, public sector, social work, planning, integrated studies (formerly liberal arts enrichment), human resource management and management information systems. Students must have approval of the program advisor for options chosen and courses selected. The culmination of the student's experience in the program will be an internship at a health care setting. To qualify for the internship, the student must have at least a 3.0 GPA in the major plus permission from the department.

Students in the Health Services Administration Program must have a cumulative GPA of 2.25 and not less than a 2.0 in any given course. Also, students must complete one year of a foreign language, such as Spanish or sign language or two years of a single high school foreign language.

Upon acceptance to the program students must complete at least 82-83 credit hours. Students choosing to minor in health services must complete 20 credit hours. Courses are offered on an every other year basis and students should check with the program director and class schedule each quarter.

Professional Membership Requirements: Every student graduating in Health Services Administration must be a member of a professional organization at least by their senior year.

Work Experience Requirements: It is strongly advised that all students seek as much practical experience as possible, whether voluntary or paid. Students are urged to consult with their advisors in order to plan their program.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)

Health Services Administration Major (79-81 credits)

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses

HSAD 300 Health Care Organization and Administration (4)
HSAD 310 Health Care Supervision (4)
HSAD 322 Health Care Technology (4)
HSAD 410 Health Law, Regulation and Ethics (4)
HSAD 435 Process Improvement in Health Care (4)
or OPSM 330 Operations Management (4)
HSAD 440 Health Care Research Design and Methods (3)
or EXSC 455 Research and Analysis (2)
HSAD 490 Senior Capstone: The Impact of Culture, Gender and Race on Health (4)
HSAD 495 Internship (5)
ACCT 251 Principles of Financial Accounting (5)
ACCT 252 Principles of Managerial Accounting (4)
BUED 302 Business Communication (4)
DSCI 245 Data Analysis for Business (4)
or DSCI 303 Applications of Statistics I (4)
ECON 200 Introduction to Microeconomics (5)
ECON 445 Insurance and Risk (5)
ECON 452 Health Economics (5)
HLED 256 Medical Terminology (1)
HLED 370 Environmental Health (3)
or HSAD 460 Long Term Care Administration (4)
HUMR 328 Personnel Management (4)
MISC 311 Information Technology in Business (4)
MKTG 310 Principles of Marketing (4)

Minimum total credits for above major

79 credits

Minor

Health Services Management Minor (20 credits)

Required Courses

HSAD 300 Health Care Organization and Administration (4)
HSAD 310 Health Care Supervision (4)
HSAD 322 Health Care Technology (4)
HSAD 410 Health Law, Regulation and Ethics (4)
Electives (Choose one of the following)
HSAD 435 Process Improvement in Health Care (4)
HSAD 460 Long Term Care Administration (4)

Required program credits

16 credits

Elective credits

4 credits

Total credits for above minor

20 credits

GRADUATE PROGRAM

The College of Business and Public Administration through its Health Services Administration Program, offers graduate courses and a graduate-level certificate in health services administration. Courses from health services administration are often included in a number of programs such as: Social Work, the Master of Business Administration, the Master of Public Administration and Master of Urban and Regional Planning.

In general, the graduate courses are designed to expand one's understanding of issues that impact the successful delivery of health services. The individual classes focus on unique organizational issues that impact health delivery. The topics covered in these classes will be useful to health-related professionals who have specialty expertise in a health discipline, and desire a greater understanding of the legal, fiscal and managerial aspects of delivering health care in several different environments. They also will aid non-health professionals who wish a better understanding of financing and delivery of public and private/non-profit health care.

This graduate certificate supports the goals of the College and University by providing opportunities for people to expand their collaborative, critical thinking, change management and strategic planning skills. Students who successfully complete a certificate offered by this program will become more effective manager/administrators or collaborators within the health delivery system. The program believes in the concept that "health is a team affair" and is committed to providing education, research and service opportunities

for students to become effective collaborators in personal community health enhancement.

OBJECTIVES OF THE CERTIFICATE PROGRAM

The program has objectives to provide students opportunities to:

1. Expand their understanding of the fiscal, legal and operational constraints and to identify opportunities for financing;
2. Enhance communication, interpersonal collaboration, leadership, strategic planning, change management and critical thinking skills;
3. Expand their knowledge of future health care issues.

Admission Requirements/Preparation

The Health Services Administration program encourages people with at least a bachelor's degree preparation, and who are interested in health services administration, to enroll in the graduate courses offered. Depending on one's background and experience, certain prerequisite courses could be needed. Students who have a bachelor's degree in business, public administration, social work or related disciplines may have the necessary preparation to enroll in the courses and Certificate Program with little or no additional preparation. The identification of necessary prerequisites would occur through a review of transcripts and other application material by the Program Director.

Program Requirements

1. Two copies of official transcripts for all college work completed;
2. Meet Graduate Program admission requirements;
3. A letter describing one's background and experience in the health delivery system and how the Health Service Administration Certificate fits into one's professional goals.
4. Application materials should be sent directly to Graduate Studies Office,

206 Showalter, Eastern Washington University, Cheney, WA 99004-2444

Application Deadline

The Health Service Administration programs accept students into courses at any time. HSAD 500, US Health Care Systems is the first class and is offered in the fall. It is the prerequisite for the remaining classes.

GRADUATE CERTIFICATE IN HEALTH SERVICE ADMINISTRATION

The Health Service Administration Certificate is intended to provide students who have an interest in working within the health field with an understanding of the many different types of health organizations that exist in the US. The courses also present students with an overview of the financial, legal and administrative issues that face all health administrators in today's market.

Required Courses

Students who wish a Health Service Administration Certificate must successfully complete the following courses:

- HSAD 500 US Health Care Systems (4)
- HSAD 510 Health Law (4)
- HSAD 520 Health Reimbursement Issues (4)
- HSAD 530 Seminar on Business and Health (4)
- HSAD 598 Seminar in Health Services Administration (4)

Total required credits

20 credits

HSAD 500, 510 and 520 are the core classes for the certificate. HSAD 530 and 598 must be completed for the certificate-only students. For students in master's programs seeking the Professional Specialization Option, the core classes must be completed. Master's students are strongly encouraged to complete HSAD 530 and 598. Master's students, with their program advisor, may determine that other classes would better meet the needs in gaining insight into health issues in their specific discipline. This process will include the HSAD program advisor.

Health Service Administration Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

HSAD 300

Health Care Organization and Administration (4)

FALL/SPRING

This is a survey course that looks at the multitude of health care entities (public and private), how they interact and the issues that are in today's complex health care environment.

HSAD 305

Health Care Coding and Terminology (3)

WINTER

Prerequisite: HSAD 300 or permission of the instructor. An overview of the design and development of ICD9 and diagnostic related groups (DRGs). Also, a review of ICD9 as used for patient care financing and an introduction to some of the major DRGs. The course will review common medical terminology used by health care administrators.

HSAD 310

Health Care Supervision (4)

WINTER

Prerequisite: HSAD 300 or consent of the instructor. Topics covered include: tasks, education, roles and values of health services managers in various settings; control, organization behavior, design, professional integration, adaptation and accountability. Case analysis method will be emphasized.

HSAD 322

Health Care Technology (4)

SPRING

Prerequisites: HSAD 300, MISC 311 or consent of the instructor.

This course introduces the student to the technology used in health care for administrative, clinical and facility needs. Support systems for health care are also discussed. This illustrates the breadth and scope of technology in health care and its impact on patients, providers and payors.

HSAD 399

Special Studies (1-10)

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the instructor and the Program Director.

Subjects vary according to faculty and student interest and need.

HSAD 410

Health Law, Regulation and Ethics (4)

FALL

Prerequisites: HSAD 300, 310, 322 or consent of the instructor.

This course is an introduction to health-related legislation, regulation and certification/accreditation programs. The legal and ethical implications for providers and consumers of health care are explored. Topics covered include contracts, fraud and abuse, antitrust, and corporate, criminal and tax law, informed consent, patient rights, medical worker issues and conflict of interest. Ethics, risk management and corporate compliance, will also be discussed.

HSAD 430

Seminar in Managed Care Administration (4)

FALL

Prerequisite: HSAD 300 or consent of the instructor.

An introduction to managed care organizations and their unique terminology. The course will be conducted in two parts. The first will be a self based review of the managed care terminology. The second will be an overview of the alignments health care organizations make to improve the quality of the health care delivery system, and provide more cost effective care.

HSAD 435

Process Improvement in Health Care (4)

Prerequisites: HSAD 300, 310, 322 and 410 or consent of the instructor.

This course examines strategic planning in health care, the application of quality management in health care and strategies for competitive advantage. The student is exposed to a variety of strategies as well as a systems approach to understanding concepts as they apply to health care.

HSAD 440**Health Care Research Design and Methods (3)**

WINTER

Prerequisites: DSCI 245 or 303, HSAD 300 or consent of the instructor.

This course covers the methods used in health services research and evaluation which includes research designs, measurement and methods of analysis. The objective of the course is to provide the student with an understanding of the research process as it relates to health care.

HSAD 450**Community and Environmental Health Management (5)**

SPRING

Prerequisites: DSCI 245 or 303, HSAD 300 or consent of the instructor.

This course is intended to introduce the student to community health management with specific emphasis on the environmental sector. To achieve this end, the course will present an overview of community health and its history. It will further examine how demographics, epidemiology and environmental factors impact and are impacted by community health management.

HSAD 460**Long Term Care Administration (4)**

WINTER

Prerequisite: HSAD 300 or consent of the instructor. The administration issues of care for long term patients will be addressed with specific discussion on the aged, and primary and extended care of the age. The peculiar social, cultural and economic environment will be discussed as each is related to accessibility and availability of health services and the aspects of administration in long term care facilities.

HSAD 480**Senior Project (5)**

SPRING

Prerequisite: Permission of the instructor.

With the assistance of the instructor, students will complete a project based on original or library research related to a particular problem or issue in the field of health administration. Students will share the results of their research and assist each other in developing important information retrieval techniques and other research related competencies.

HSAD 490**Senior Capstone: The Impact of Culture, Gender, and Race on Health (4)**

SPRING

[satisfies senior capstone university graduation requirement.]

This course examines health related differences due to the impact of gender, ethnicity and race on health. It attempts to put this information in a context which allows health program managers to use this information to better plan, design and implement programs which are sensitive to the health needs of diverse populations. To achieve this goal the class will examine epidemiological research, historical and cultural studies, and social and psychological theories pertaining to health status and communication.

HSAD 495**Internship (4-5)**

SPRING

Prerequisites: HSAD 300, 305, 310, 322, 410, 415, 420, 440, 450; permission of the instructor; upper division GPA of at least 3.0.

Student will spend 16-20 hours a week on-site under the direct supervision of a supervisor learning the day to day operations of a health care organization.

HSAD 499**Directed Study (3-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the instructor and the department chair.

Individual study in a field of special interest.

HSAD 500**US Health Care Systems (4)**

Prerequisite: Graduate standing.

This course concentrates on the health care environment and how it impacts on health services administration. Considerable time is spent discussing the effectiveness of the health care system in the United States as it exists today. Topics to be covered include: the various health care delivery models, financing health care, managed care organizations, Medicare and Medicaid, health manpower, single and multi-hospital systems, long-term care and historical data.

HSAD 510**Health Law (4)**

Prerequisite: HSAD 500.

The objective of the course is to develop in the student an appreciation for the depth and reach of the law in all facets of the health care delivery process. The course will emphasize the impact of the law in private and public health settings. Topics include an introduction to our legal system, professional liability issues related to providers, legal issues in the operation and regulation of health care institutions and legal issues in the institution-patient relationship as well as the institution-physician relationship.

HSAD 512**Introduction To US Environmental Law (2)**

The purpose of this class will be to explore the major environmental laws and their implementation in the United States. To achieve this end the class will examine the sources of rights and responsibilities as they pertain to injuries sustained by natural resources. Then the class will review the various legal claims and liabilities that may be associated with injuries to environmental resources.

HSAD 515**Health Economics (4)**

Prerequisites: HSAD 500 and either ECON 200, 201 or PADM 501 and 507 or consent of the instructor.

Topics include consumer behavior, determinants of demand for health services, production theory, the role of competition and regulation in the health care industry, health risks and their economic impact, insurance and alternative financial mechanisms, cost-benefit analysis of health care inflation.

HSAD 520**Health Reimbursement Issues (4)**

Prerequisites: HSAD 500 and either BADM 530 or PADM 507 and 513 or consent of the instructor.

Reimbursement issues are reviewed for two perspectives (1) institutions/providers, and (2) payers and users of health care, such as insurers, business, and consumers. Topics covered from the providers' perspective include evaluation of one's financial information for clinical and managerial decisions. Topics covered from the payer's perspective include financial incentives and disincentives. Implications for efficient and effective delivery of health care services are identified and explored.

HSAD 530**Seminar on Business and Health (4)**

Prerequisites: HSAD 500 and advanced graduate standing or consent of the instructor.

This course examines the role companies and other employers play in the development of health policy and provision of health services pertaining to employee benefits.

HSAD 560**Managed Care Systems (4)**

Prerequisites: HSAD 500, 520 or consent of the instructor.

An examination of the challenges associated with organizing and managing various types of managed care systems (Health Maintenance Organizations (HMOs), Preferred Providers Organizations (PPOs), etc.). The course places special emphasis on the organization and management of physicians' practice and the principles of health insurance, including premium development and risk management. Other topics include contractual relationships with hospitals, utilization review, quality assurance systems and marketing.

HSAD 570**Comparative Health Systems (4)**

Prerequisite: HSAD 500.

This course introduces the participants to several countries from both the developed and developing world, their political systems, demography and health care systems. Class will address current and major health care issues in each country studied.

HSAD 590**Administration of American Indian Health Programs (4)**

Prerequisite: HSAD 500.

The purpose of this course is to describe and analyze the key political and organizational issues that have shaped and continuously influenced administrative policy and managerial activities for the delivery of health and medical care to American Indian people. This course is also intended to be an exploratory treatment of major Indian health care management issues.

HSAD 595**Internship (1-5)****HSAD 596****Experimental Course (2-5)****HSAD 598****Seminar in Health Services****Administration (4)**

This course is designed to emphasize the manager's role when conducting grant writing or research within the field of health care. The course will emphasize the managerial applications of survey research and grant writing from both a theoretical and practical perspective. Students will learn to conduct survey research or write a grant during this course with the assistance of the instructor.

HSAD 599**Directed Readings (1-5)**

HISTORY

College of Social and Behavioral Sciences

Ann C. LeBar, Chair

200E Patterson Hall

(509) 359-7952

history@mail.ewu.edu

BA

Minors

History Endorsement

MA

Faculty: M. Conlin, R. Dean, K. Huttenmaier, J. Kieswetter,

A. LeBar, L. Phillips, M. Seedorf, E. Slack, W. Youngs, L. Zhu

UNDERGRADUATE PROGRAMS

George Santayana wrote that "Those who cannot remember the past are condemned to repeat it." History provides the most useful key of knowledge for unlocking all other realms of human development. It embraces many fields of academic enquiry and uses them to provide a detailed picture of various cultures and their governments, legal systems, social behavior, art, economic systems, literature, religious, medicines, technologies, sports, fashions and myriad other endeavors. A university-level education would be inconceivable without it, because learning about the past is imperative to understanding the present and preparing for the future. The study of history provides a solid foundation not only for history and social studies education majors, but for careers in law, business, government, international relations, journalism, library services and museums, to name but a few. As peoples of different ethnicities interact with each other more frequently in the 21st century, understanding each others' past paves the way for harmonious and beneficial cross-cultural relations.

In addition to resources of the University Library, students have access to materials at the Northwest Museum of Arts and Culture and the Washington State Archives, Eastern Region. Internships are available at several agencies in the area, such as the Northwest Museum of Arts and Culture, the University Archives and the City/County Historic Preservation Office.

History Degree Descriptions: The History Department offers both a major and a minor for the bachelor of arts degrees. History courses also appear in Africana Studies, American Indian Studies, Chicano Studies and Women's Studies Programs. The department also offers a Master of Arts degree.

Any student who is considering a major or minor in history is strongly encouraged to consult with an advisor from the Department of History in the early stages of his or her academic study at EWU. History majors are strongly encouraged to complete two or more years of a college-level foreign language.

General Degree Completion Requirements: Courses used to fulfill the History Program requirements for the BA (50 and 65 credit options) and the History Minor (18 credits) require a minimum of 2.0 in each course and a minimum of GPA of 2.5 for all such courses.

History majors (65 or 50 credit option) require at least one course (4-5 credits) from a non-Western and/or pre-modern area.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)

History Major (65 credits)

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses

Introductory Surveys chosen from the following:

- HIST 104 East Asia: Tradition and Transformation (5)
- HIST 105 Western Heritage: Origins to the 18th Century (5)
- HIST 106 Western Heritage: 18th Century to the Present (5)
- HIST 110 The American Experience: A Survey (5)

Foundation Courses

- HIST 290 History Today: Issues and Practices (5)
- or CSBS 310 Foundations of Social and Behavioral Science Theory (5)
- CSBS 331 Documents-Based Research Methods (5)

HIST 490 Senior Capstone Seminar (5)

Core Courses

- US History (10)
- European History (10)
- Global/Comparative History (10)
- Additional Electives (10)

Pre-Modern or Non-Western core courses: Choose one or more of the following (counts toward core courses requirement above)

- HIST 310 Imperial China (5)
- HIST/AAST 315 African History (5)
- HIST 340 The Middle Ages (5)
- HIST 341 The Renaissance and the Reformation Europe (5)
- HIST 343 Early Modern Europe (5)
- HIST 365 Latin American History (5)
- HIST 410 China in the 19th and 20th Centuries (5)
- HIST 416 Modern Japan (5)
- HIST 425 Greek History to 400 BC (5)
- HIST 426 Hellenistic Greece (5)
- HIST 427 Roman Republic (5)
- HIST 428 Roman Empire (5)
- HIST 429 Ancient Near East (5)
- HIST 430 History of England to 1603 (5)
- HIST 455 Medieval Russia (5)
- HIST 461 Colonial Latin America (5)
- HIST 463 Cultural History of Latin America (5)
- HIST 464 History of Mexico (5)

Required introductory survey credits

10 credits

Required foundation credits

15 credits

Required core credits (need 30 credits or more upper-division)

40 credits

Total credits for above major (45 credits must be upper-division)

65 credits

Note: Students must complete at least 25 credits of this major at Eastern Washington University.

History Major (50 credits)

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses

Introductory Surveys chosen from the following:

- HIST 104 East Asia: Tradition and Transformation (5)
- HIST 105 Western Heritage: Origins to the 18th Century (5)
- HIST 106 Western Heritage: 18th Century to the Present (5)
- HIST 110 The American Experience: A Survey (5)

Foundation Courses

- HIST 290 History Today: Issues and Practices (5)
- or CSBS 310 Foundations of Social and Behavioral Science Theory (5)
- CSBS 331 Documents-Based Research Methods (5)
- HIST 490 Senior Capstone Seminar (5)

Core Courses

- US History (10)
- European History (10)
- Global/Comparative History (10)

Pre-Modern or Non-Western core courses: Choose one or more courses listed under the 65-credit major (counts toward core courses requirement above)

Required introductory survey credits

5 credits

Required foundation credits

15 credits

Required core credits (need 25 credits or more upper-division)

30 credits

Total credits for above major (35 credits must be upper-division)

50 credits

Note: The above major requires the completion of a minor or certificate approved by a history advisor.

Note: Students must complete at least 25 credits of this major at Eastern Washington University.

Distribution list:

US History:

- HIST 303 US History, 1607-1877 (5)
- HIST 304 US History, 1877-Present (5)
- HIST 305 Paths to the American Present (5)
- HIST 373 History of the American Wilderness (5)
- HIST 392 Women in the American West (4)
- HIST/WMST 394 Women in American History (4)
- HIST 470 First American Frontier, 1607-1763 (4)
- HIST 471 Era of the American Revolution, 1763-1789 (4)

HIST 472 Young Republic, the US from 1783–1824 (5)
 HIST 473 Age of Jackson (5)
 HIST 475 Civil War and Reconstruction (5)
 HIST 478 Contemporary America (5)
 HIST 481 History of American Foreign Relations from 1898 (5)
 HIST 482 History of the American Frontier (5)
 HIST 483 History and Government of the Pacific Northwest (5)
 HIST 487/ECON 412 Economic History of the United States (5)
 HIST 489/ECON 420 Labor History (5)

European History:

HIST 306 Modern Europe (5)
 HIST 340 The Middle Ages (5)
 HIST 341 Renaissance and Reformation (5)
 HIST 343 Early Modern Europe (5)
 HIST 350 War and Society (5)
 HIST 360 History of Spain (5)
 HIST/GERM 382 20th Century Germany, From World Wars to Cold War.
 Culture, Political Conflict and National Identity (5)
 HIST 425 Greek History to 400 BC (5)
 HIST 426 Hellenistic Greece (5)
 HIST 427 Roman Republic (5)
 HIST 428 Roman Empire (5)
 HIST 429 Ancient Near East (5)
 HIST 430 History of England to 1603 (5)
 HIST 431 History of England 1603 to 1870 (5)
 HIST 432 Modern Britain Since 1870 (5)
 HIST 433 British Empire Since 1850 (5)
 HIST/ANTH 435 Irish History and Culture (5)
 HIST 445 History of Modern Germany (5)
 HIST 448 French Revolution and Napoleon (5)
 HIST 454 Diplomatic History of Europe, 1914 to the Present (5)
 HIST 455 Medieval Russia (5)
 HIST 456 Imperial Russia (5)
 HIST 457 20th Century Russia (5)

Global/Comparative History:

HIST/AAST 215 Early African American History (5)
 HIST/AAST 216 20th Century African American History (5)
 HIST/CHST 218 Chicano History (5)
 HIST 301 History of the Present (5)
 HIST 310 Imperial China (5)
 HIST 313 Asian American History (5)
 HIST/AAST 315 African History (5)
 HIST 350 War and Society (5)
 HIST 365 Latin American History (5)
 HIST 410 China in the 19th and 20th Centuries (5)
 HIST 416 Modern Japan (5)
 HIST 440 History of World War I (4)
 HIST 441 History of World War II (4)
 HIST 461 Colonial Latin America (5)
 HIST 463 Cultural History of Latin America (5)
 HIST 464 History of Mexico (5)

Minors**History Minor (18 credits)****Required Courses**

Select history courses from two or more of the three above-listed areas (US History, European History, Global/Comparative History). At least 10 credits of course work for the minor must be upper-division.

Total credits for above minor**18 credits****History/Secondary Minor (30 credits)**

This minor satisfies the endorsement for grades 5–12.

Note: This minor endorsement requires a grade of 2.5 in all course work done in the minor at Eastern.

Required Courses

HIST 104 East Asia: Tradition and Transformation (5)
 or HIST 365 Latin America History (5)
 HIST 105 Western Heritage: Origins to the 18th Century (5)
 HIST 106 Western Heritage: 18th Century to the Present (5)
 or HIST 306 Modern Europe (5)
 HIST 303 US History, 1607–1877 (5)
 HIST 304 US History, 1877–Present (5)
 HIST 483 History and Government of the Pacific Northwest (5)

Total credits for above minor**30 credits****Course Requirements for Teacher Certification/Add-on Endorsements**
(For students who currently possess a Washington State Teaching Certificate)**History/Add-on Endorsement (49 credits)**

This add-on satisfies the endorsement for grades 5–12.

Note: This add-on endorsement requires a grade of 2.5 in all course work done in the add-on at Eastern.

Required Courses

HIST 104 East Asia: Tradition and Transformation (5)
 or HIST 365 Latin America History (5)
 HIST 105 Western Heritage: Origins to the 18th Century (5)
 HIST 106 Western Heritage: 18th Century to the Present (5)
 or HIST 306 Modern Europe (5)
 HIST 303 US History, 1607–1877 (5)
 HIST 304 US History, 1877–Present (5)
 HIST 483 History and Government of the Pacific Northwest (5)
 ECON 100 General Education Economics (5)
 GOVT 100 Modern Government in American Context (5)
 GEOG 101 Fundamentals of Human Geography (5)
 SOST 390 Social Studies in the Secondary School (4)

Total credits for above add-on endorsement**49 credits****GRADUATE PROGRAM****Master of Arts****Michael Conlin, Program Advisor****204L Patterson Hall****(509) 359-7851****Michael.Conlin@mail.ewu.edu**

The MA program in History is designed to prepare students for pursuits requiring a historical background. Students who are interested in teaching careers, in preparation for doctoral programs, and in participation in professional internships such as library, museum, or archival work, can design a program to suit their needs.

Applicants for the MA program in History should submit:

- (1) An official transcript from an accredited college or university which has awarded the student a baccalaureate degree. At least a 3.0 (B) average is normally expected, although most applicants have a higher GPA. Applicants are expected to have a background in history.
- (2) A substantial writing sample reflecting serious academic effort.
- (3) A one-page personal statement on career plans and interest in pursuing graduate studies in history.
- (4) Letters of recommendation from two individuals familiar with the applicant's academic work or other experience relevant to historical training.
- (5) Official scores for the Graduate Record Examination.

Deadlines for admission to the MA program in History:

Fall Quarter (May 15); Winter Quarter (November 15); Spring Quarter (February 15); and Summer Quarter (April 15).

After admission to the graduate program, candidates will complete at least sixty (60) credits of course work, five (5) to fifteen (15) credit hours may be History 600, Thesis or History 601, Research Report. No more than twenty (20) credits of course work may be taken at the 400-level. Undergraduate EWU history courses included in a master's program must be taught by the graduate faculty of the History Department. The student's program and choice of courses must be approved by the department program advisor. All candidates must take the master's oral examination. In addition, candidates will either complete a master's thesis, a research report in lieu of thesis or take written examinations over their two fields, which are explained in the next paragraph. The oral examination and the thesis, research report or written examinations will be completed during the student's final quarter of graduate study. All courses included in the student's graduate program must be completed with a grade of 3.0 or higher.

Prior to selecting a thesis topic, research report topic or two fields of specialization, graduate students shall acquire appropriate historiographic background by completing History 501, Introduction to Historical Studies and four (4) readings courses. Note: History 501, History 550, History 590, History

598, History 599, History 600, History 601 and History 694 are not readings courses. Students are also required to complete History 550 Graduate Research Seminar and History 598 Graduate Writing Seminar. Note that History 550 is a prerequisite for History 598. History 550 and History 598 must be completed before a student can be advanced to candidacy. Only students who are passed to candidacy can take History 600 or History 601. Further specialization for the master's degree includes the preparation of one of the following: 1) two fields (normally selected from two of the readings courses) plus an additional ten credits of History 599 Independent Study/Reading or other approved course work, or 2) a Thesis, or Research Report. Special professional internship programs in library, museum and archival work are available. These must be arranged with the department and have graduate committee approval. Public history students are required to fulfill all of the requirements of the MA described above.

A research report may be substituted for the thesis requirement. Students interested in the public history field should contact the graduate program advisor as early as possible. Finally, students who receive a grade below 3.0 more than once will be dropped from the History MA program.

Degree Requirements

Common Requirements and Credit Hours

Required Core

HIST 501 Introduction to Historical Studies (5)
 HIST 550 Graduate Research Seminar (5)
 HIST 598 Graduate Writing Seminar (5)
 Four (4) Graduate Readings Courses (20)
 Further Specialization
 Preparation of two fields **or** HIST 600 Thesis **or** 601 HIST Research Project Electives

Required core credits

35 credits

Required further specialization credits

5-15 credits

Elective credits

10-20 credits

Total credits for above master's degree

60 credits

History Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

HIST 104

East Asia: Tradition and Transformation (5)

FALL/WINTER/SPRING/SUMMER

[satisfies international studies university graduation requirement.]

The political, social, cultural, and other aspects of the Chinese, Japanese and Korean heritage from antiquity to the present. The course deals with forces which shaped these Asian nations.

HIST 105

Western Heritage: Origins to the 18th Century (5)

FALL/WINTER/SPRING/SUMMER

[satisfies the GEGR for social sciences, list 3, history.]

The origins and early development of the political, social, cultural and other aspects of our Western heritage.

HIST 106

Western Heritage: 18th Century to the Present (5)

FALL/WINTER/SPRING/SUMMER

[satisfies the GEGR for social sciences, list 3, history.]

The political, social, cultural and other aspects of the western heritage from the 18th century. The course deals with the forces which shape the modern world.

HIST 110

The American Experience: A Survey (5)

FALL/WINTER/SPRING/SUMMER

[satisfies the GEGR for social sciences, list 3, history.]

A broad survey of unique features of the American experience, this course examines the origins and development of the American social, economic and political heritage on the domestic and international scenes.

HIST 215

Early African American History (5)

FALL

[satisfies cultural and gender diversity university graduation requirement.]

Prerequisite: ENGL 100.

Examines the African American experience from African civilizations in the fourth century AD through slavery to the end of the Reconstruction Era in the United States. (Cross-listed AAST 215)

HIST 216

20th Century African American History (5)

WINTER/SPRING

[satisfies cultural and gender diversity university graduation requirement.]

Prerequisite: ENGL 100.

The study of the history of African Americans from the end of the Reconstruction period to the present. (Cross-listed AAST 216)

HIST 218

Chicano History (5)

FALL/WINTER/SPRING

[satisfies cultural and gender diversity university graduation requirement.]

A study of Chicano history from the time of the Treaty of Guadalupe Hidalgo in 1848, to the present. Specific themes discussed include the Mexican American War, the Treaty of Guadalupe Hidalgo of 1848, the economic, political and social conditions after the Anglo-American conquest of the southwest, Mexican immigration to the US, Chicano labor history, the Chicano movement and other Chicano themes. (Cross-listed CHST 218)

HIST 290

History Today: Issues and Practices (5)

FALL/SUMMER

An introduction to history as a discipline, the theoretical issues relevant to the discipline today and the organization of the history profession in the United States. Topics to be covered include: an overview of modern historiography; why historians interpret the past in different and often contested ways; problems of historical method, objectivity, causation, periodization and categories of historical analysis (such as nation-state, gender, race and

class); and publications, professional organizations, and careers in history.

HIST 299

Special Studies (1-5)

FALL/WINTER/SPRING/SUMMER

Prerequisite: Permission of the instructor.

Subjects studied vary according to faculty and student interest.

HIST 300

Special Topics in History (1-5)

FALL/WINTER/SPRING/SUMMER

A series of specialized studies of different areas of history, such as conservation, urban history, science and technology. The topics are announced each quarter and may or may not be offered each year.

HIST 301

History of the Present (5)

FALL/SPRING

[satisfies international studies university graduation requirement.]

The historical background of contemporary problems and events, such as the Arab-Israeli conflict. Topics vary with changes in the world situation.

HIST 303

US History, 1607-1877 (5)

FALL/WINTER/SPRING

This course is designed primarily, but not exclusively, for history majors and minors and is required as part of the social studies major core. It examines aspects of this nation's political, economic, cultural and social development from its time of English settlement to the end of Reconstruction.

HIST 304

US History, 1877-Present (5)

FALL/WINTER/SPRING

This course is designed primarily, but not exclusively, for history majors and minors and is required as part of the social studies major core. It emphasizes American's unfinished journey from the end of Reconstruction to the present. Emphasis is also given to the vast changes in American culture and society since the Civil War.

HIST 305**Paths to the American Present (5)**

SUMMER

Prerequisite: Junior or senior class standing.

An advanced course emphasizing the historical roots of the reform tradition, the political system, the American role in world affairs and the evolution of the American social structure.

HIST 306**Modern Europe (5)**

SPRING/SUMMER

A study of political, social, cultural, diplomatic, economic and other issues in Europe of the 19th and 20th Centuries.

HIST 310**Imperial China (5)**

WINTER-ALTERNATE YEARS

[satisfies international studies university graduation requirement.]

This class surveys the imperial era of Chinese history from the Qin dynasty to the mid-Qing (221 BC–1800 AD).

HIST 313**Asian American History (5)**

SPRING

[satisfies cultural and gender diversity university graduation requirement.]

American history often focuses on the Atlantic migration and its consequences. Not all Americans have European origins. Many immigrants came from Asia. This course with an emphasis on the Pacific migration examines the experience of these Asian immigrants and their descendants in the United States from the 1840s to the present. The discussions give preference to six major ethnic groups: Chinese, Japanese, Filipino, Korean, Vietnamese and Asian Indian. Their collective history will be studied within the broad context of American history, involving various historical themes such as westward expansion, modern industrialization, urban development, international conflict, immigration policy, labor unrest, reform movement and cultural exchanges. The purpose of this course is to deepen our understanding of American history as well as our multicultural society.

HIST 315**African History (5)**

SPRING

[satisfies international studies university graduation requirement.]

A survey of African history from prehistory to the present. Emphasizes earlier African civilizations, extensive contact with the outside world and the formation of African nations. (Cross-listed AAST 315)

HIST 334**The Historical Geography of Canada (4)**

Canada occupies a strategic place in world geography owing to its central location with regard to Europe, Asia and the United States; its resource base, its role in regional and world organizations, and the distinctive national characteristics and traditions that its peoples have developed. This course provides an overview of the major geographic regions of Canada based on physical environments, history, settlement patterns, natural resources, transportation and industry, urbanization, and cultural and ethnic diversity. (Cross-listed GEOG 334)

HIST 338**Discovering Women in Science (1)**

SPRING

The course uses several scientific themes to rediscover from the past, and find in contemporary research, the women who have made significant contributions to science. (Cross-listed BIOL 338, CHEM 338, GEOL 338, PHYS 338, PSYC 338, WMST 338)

HIST 340**The Middle Ages (5)**

WINTER-ALTERNATE YEARS

The social, political, religious and cultural development of Europe from the decline of the Roman Empire in the West to the year 1500.

HIST 341**The Renaissance and the Reformation (5)**

FALL-ALTERNATE YEARS

Prerequisite: HIST 105 or permission of the instructor. History of Europe from the 14th through the 16th Centuries. This course examines the religious, artistic and intellectual developments of the period in their social and political context.

HIST 343**Early Modern Europe (5)**

WINTER-ALTERNATE YEARS

Political, economic, social and intellectual forces in European history from 1500 to 1815.

HIST 350**War and Society (5)**

WINTER

[satisfies international studies university graduation requirement.]

A survey of military technology, strategy and tactics and their relationship to non-military aspects of society from the Middle Ages to the present. Emphasis is on European land warfare, but aerial, naval and non-European aspects are not excluded.

HIST 360**History of Spain (5)**

SPRING-ALTERNATE YEARS

A history of Spain from pre-Roman times to the present, with special emphasis on the Imperial Hapsburg years, the Bourbon Enlightenment and the Napoleonic era. Implicit inclusion of the concurrent developments of Western civilization.

HIST 365**Latin American History (5)**

FALL/SUMMER

[satisfies international studies university graduation requirement.]

Covers Spanish and Portuguese conquests in the Western hemisphere and the formation of a new civilization. The Hispanic colonial centuries, the revolutions for independence and subsequent experiences with dictatorships and democracy punctuate dramatic and distinct histories.

HIST 373**History of the American Wilderness (5)**

SPRING

The course explores the ways men and women have lived in and thought about their natural environment in the United States. It begins with the colonists, who thought of the wilderness as a realm to conquer, and concludes with the contemporary American environmentalists, who seek to "preserve" the wilderness.

HIST 382**20th-Century Germany, From World Wars to Cold War. Culture, Political Conflict, and National Identity (5)**

SPRING-ALTERNATE YEARS

[satisfies international studies university graduation requirement.]

Prerequisite: ENGL 201 or permission of the instructor. This interdisciplinary course introduces students to central problems in German history and culture, from the end of World War I to the end of the Cold War. Topics addressed include: the impact of World War I on German National Identity; Avant-garde culture in the Weimar Republic; the rise of Fascism and Daily Life in Nazi Germany; the Holocaust; cultural and political divides between East and West Germany. (Cross-listed Germ 382)

HIST 392**Women in the American West (4)**

SPRING-ALTERNATE YEARS

This course examines the lives of frontier women using a variety of primary sources (letters, diaries, oral histories), as well as secondary sources (books, articles, movies, tapes). (Cross-listed WMST 392)

HIST 394**Women in American History (4)**

FALL/WINTER

[satisfies cultural and gender diversity university graduation requirement.]

Brings to life and surveys the accomplishments of the "lost women" of our past from colonial times to the present. Society's definition of the nature of women and their proper roles is examined as well as the actual life conditions of women and the social and economic functions they performed. (Cross-listed WMST 394)

HIST 395**History Internship (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the instructor and the department chair.

An opportunity for history students to work with historical agencies. Individual learning and career development contact is coordinated through Internship Programs.

HIST 405**Women and Men in History (1)**

SUMMER

This course will deal with the placing of women and men within history. A comparative analysis will be made of the historical treatment given to both women and men. Using American history as an example, the workshop will set forth principles that will effectively help the classroom teacher create a gender balanced course and the student to recognize gender balance in history education. Attention will be given to non-sexist textbooks, audiovisual materials and testing. (Cross-listed WMST 405)

HIST 410**China in the 19th and 20th Centuries (5)**

FALL-ALTERNATE YEARS

A political, economic and diplomatic consideration of China from the late Qing Dynasty, with particular emphasis on the rise of Chinese nationalism and communism as an aftermath of Western and Japanese imperialism in China.

HIST 416**Modern Japan (5)**

SPRING-ALTERNATE YEARS

[satisfies international studies university graduation requirement.]

History of Japan as traditionalism is modified and the modern nation emerges, from the 17th century to the present.

HIST 425**Greek History to 400 BC (5)**

FALL-ALTERNATE YEARS

Ancient Greece from earliest times to 400 BC. The art, archaeology and history of the Golden Age of Athens.

HIST 426**Hellenistic Greece (5)**

WINTER-ALTERNATE YEARS

The history of ancient Greece from 400 BC to 30 BC. This course will focus on Alexander the Great and the results of his conquests. The course covers the period from the end of the Peloponnesian War to the conquest of the East by Rome.

HIST 427**Roman Republic (5)**

WINTER-ALTERNATE YEARS

The course begins with the earliest settlements in Italy and the foundations of Rome to 30 BC, the beginning of the reign of Augustus.

HIST 428**Roman Empire (5)**

SPRING-ALTERNATE YEARS

The history of Rome from Augustus to Constantine the Great (30 BC–337 AD). The course includes cultural as well as political developments.

HIST 429**Ancient Near East (5)**

SPRING-ALTERNATE YEARS

An intensive study of the ancient Near East including Mesopotamia, Egypt, the Indus Valley and Assyria.

HIST 430**History of England to 1603 (5)**

WINTER-ALTERNATE YEARS

Various aspects of English history from the Roman conquest to 1603. Attention is given to social, cultural, economic and constitutional developments.

HIST 431**History of England 1603 to 1870 (5)**

SPRING-ALTERNATE YEARS

A history of England from 1603 to the late Victorian period, including a study of the cultural, economic and constitutional developments of the period.

HIST 432**Modern Britain Since 1870 (5)**

WINTER-ALTERNATE YEARS

From Victorian England, this course includes a consideration of the 19th century background. Stress is on the transition of Great Britain from the leading European naval, imperial and commercial power to a less certain position today in relation to Europe and the world.

HIST 433**British Empire Since 1850 (5)**

FALL/SPRING-ALTERNATE YEARS

From Victorian England to the aftermath of World War II, this course examines British Imperialism from its peak through the years of decolonization.

HIST 435**Irish History and Culture (5)**

SUMMER

Prerequisite: 5 credit hours of anthropology or 5 credit hours of history or advanced standing with permission of the instructor.

This course examines various aspects of Irish history and culture from prehistory to the present. Attention is given to religious, social, cultural, economic and political institutions and developments. (Cross-listed ANTH 435)

HIST 440**History of World War I (4)**

FALL-ALTERNATE YEARS

Prerequisite: Basic skills clearance in English composition or permission of the instructor.

The history of World War I, including the campaigns and major battles in all theaters, the technology, the diplomacy and the impact on the politics, society, economy, industry and other aspects of various home fronts.

HIST 441**History of World War II (4)**

FALL-ALTERNATE YEARS

Prerequisite: Basic Skills clearance in English Composition or permission of the instructor.

The history of World War II, including the campaigns and major battles in all theaters, the war in the air

and at sea, the technology, the diplomacy and the impact of the war on the politics, society, economy, industry and other aspects of various home fronts.

HIST 445**History of Modern Germany (5)**

SPRING-ALTERNATE YEARS

History of Germany in the 19th and 20th Centuries.

HIST 448**French Revolution and Napoleon (5)**

FALL-ALTERNATE YEARS

The history of the French Revolution and Napoleon, from the development of conditions leading to the Revolution through the Congress of Vienna. Emphasizes political, military and diplomatic developments.

HIST 454**Diplomatic History of Europe, 1914 to the Present (5)**

FALL-ALTERNATE YEARS

[satisfies international studies university graduation requirement.]

European diplomatic history from World War I to the present.

HIST 455**Medieval Russia (5)**

ALTERNATE YEARS

Prerequisite: Junior standing or permission of the instructor.

The history of Russia to 1700. Major topics include the foundation of the Russian state and state expansion, Christianization, the Mongol conquest, the reign of Ivan the Terrible, and Muscovite society and politics.

HIST 456**Imperial Russia (5)**

ALTERNATE YEARS

Russian history from 1700 to 1905. Major themes include: efforts at reform by Russian tsars, intellectuals and peasants; the development of the revolutionary movement; and the social and political life of the Russian people.

HIST 457**20th Century Russia (5)**

ALTERNATE YEARS

Russia in a century of unrest. The course will explore the intent and results of revolution, including the Marxist "victory" in 1917, Joseph Stalin's "revolution from above" and the Gorbachev "revolution" in the 1980s.

HIST 461**Colonial Latin America (5)**

WINTER-ALTERNATE YEARS

An outline of the Spanish and Portuguese conquests in the Western hemisphere, and the two countries' political, economic and social development. An emphasis upon the process by which they attained independence.

HIST 463**Cultural History of Latin America (5)**

WINTER/SPRING-ALTERNATE YEARS

Focuses on the evolution of institutions in Hispanic America related to the thought of their day.

HIST 464**History of Mexico (5)**

SPRING-ALTERNATE YEARS

A study of Mexico from pre-conquest times to the present. Attention is given to social, cultural and political developments with special emphasis on the National Period.

HIST 468**History of Modern American Women (4)**

This course explores the history of women in America from the 1900s to the present through the use of a wide range of contemporary documents that allow a

variety of women of the immediate past to speak for themselves. (Cross-listed WMST 468)

HIST 469**Built Environments of North America: Symbol and Structure (3)**

This course is a survey of North American architectural landscapes from the colonial period to the present. This course will examine such topics as the diffusion of major styles of residential, commercial and public architecture across the continent, the relationship of geology and climate to the availability of building materials and technology and the effect of these on the human built environment, especially in the Pacific Northwest. Special emphasis will be placed on the visual differentiation of building styles and the symbolic, political and philosophical foundations of architectural form and decoration. (Cross-listed GEOG 469, PLAN 469)

HIST 470**The First American Frontier, 1607–1763 (4)**

WINTER-ALTERNATE YEARS

The development of American life, thought and institutions in the earliest settlements to the end of the French and Indian War. Topics include Puritanism, colonial wars, Native Americans and the family.

HIST 471**The Era of the American Revolution, 1763–1789 (4)**

FALL-ALTERNATE YEARS

Surveys the courses and consequences of the American Revolution. Course begins with the colonies in the British imperial system, explores the reasons for revolt, and covers the military, political and social history of the Revolution. The class investigates the need for and the nature of the new constitution.

HIST 472**The Young Republic, The US from 1783–1824 (5)**

SPRING-ALTERNATE YEARS

Federalists, Jeffersonians and the Era of Good Feelings. United States history from 1783 to 1824, emphasizing the conflict between nationalism and sectional interests.

HIST 473**The Age of Jackson (5)**

SPRING-ALTERNATE YEARS

The causes, course and effects of the Jacksonian Revolution, especially in their effect upon the development of the course of American nationality.

HIST 475**Civil War and Reconstruction (5)**

FALL

The struggle over slavery and attendant problems. Particular emphasis is given to the philosophy and statesmanship of Abraham Lincoln.

HIST 478**Contemporary America (5)**

WINTER-ALTERNATE YEARS

A consideration of United States history in recent decades. Attention is given to the United State's position as a world leader, the interplay of foreign and domestic affairs and the oscillations of US policy in recent times.

HIST 481**History of American Foreign Relations from 1898 (5)**

FALL

A topical approach to the expansion of America's open-door empire from 1898 to the present, with emphasis on the patterns of US intervention around the globe, the impact of World Wars and the history of the Cold War.

HIST 482**History of the American Frontier (5)**

SPRING-ALTERNATE YEARS

The development of the United States as seen in its advancing frontiers. The impact upon the political, social and cultural development of the nation is emphasized.

HIST 483**History and Government of the Pacific Northwest (5)**

WINTER/SUMMER

An intensive study of the principal events and institutions of the four states comprising the Pacific Northwest and especially of their relations to the Federal Union. A comparative analysis of British Columbia is also included.

HIST 487**Economic History of the United States (5)**

SPRING-ALTERNATE YEARS

Prerequisite: Junior standing.

Economic development of the United States from the early colonial period to the present; explorations, westward movement, labor, rise of great industries, world trade and post-war economic problems. (Cross-listed ECON 412)

HIST 489**Labor History (5)**

FALL-ALTERNATE YEARS

A chronological examination of labor movements in the United States. Focuses on trade union activity and the impact unions have had on their members and society. Draws occasional examples from European and Latin American labor history for purpose of comparison, and examines various labor history theories. (Cross-listed ECON 420)

HIST 490**Senior Capstone Seminar (5)**

FALL/WINTER/SPRING

[satisfies senior capstone university graduation requirement.]

Prerequisites: [Senior status in the History major and [(HIST 290 or CSBS 310) and CSBS 331] or instructor permission.

Senior Capstone Seminar includes a major history paper and end-of program assessment.

HIST 495**History Internship (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the instructor and the department chair.

An opportunity for history students to work with historical agencies. Individual learning and career development contact is coordinated through the EWU Distance and Extended Learning.

HIST 497**History Workshop (1-5)**

FALL/WINTER/SPRING/SUMMER

HIST 498**Seminar (1-5)**

FALL/WINTER/SPRING/SUMMER

HIST 499**Directed Study (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: Permission of the instructor.

Directed study and research projects in various fields of history. Limited to senior and graduate students.

HIST 501**Introduction to Historical Studies (5)**

A seminar on the nature and problems of historical study with an emphasis on recent historiographical trends and research methods.

Reading Courses are usually offered every other year - Choose four

HIST 512**British History (5)**

Prerequisite: Permission of the instructor.

The study and analysis of a number of works by different authors representing a variety of views and interpretations of British history.

HIST 520**Modern European History (5)**

Prerequisite: Permission of the instructor.

Readings on problems in European history since 1789, with the object of expanding the student's grasp of factual material as well as interpretation and bibliography.

HIST 527**Comparative Social History (5)**

Prerequisite: Permission of the instructor.

A reading seminar focused on the sources and methods used to understand the historical significance of "ordinary" people's lives.

HIST 530**Latin American History (5)**

Prerequisite: Permission of the instructor.

Readings on problems in Latin American History from colonial times, with the object of expanding the student's understanding of factual material as well as interpretation and bibliography.

HIST 532**American Colonial and Revolutionary History (5)**

Prerequisite: Permission of the instructor.

A survey of problems of research and interpretation in American History to 1783.

HIST 534**19th Century US America (5)**

Prerequisite: Permission of the instructor.

A survey of problems of research and interpretation in the era from Jackson through Reconstruction, with the objective of preparing the student to conduct original research in the field.

HIST 536**Contemporary American History (5)**

Prerequisite: Permission of the instructor.

Readings in selected topics relating to contemporary America.

HIST 538**History of the American West (5)**

Prerequisite: Permission of the instructor.

The participants in this readings course will be expected to investigate and analyze original documents and secondary accounts.

HIST 540**Women in US History (5)**

Prerequisite: Permission of the instructor.

Readings and problems in the history of women in the United States. The course is designed to prepare students for more specialized research in the field.

HIST 542**Public History (5)**

Prerequisite: Permission of the instructor.

Research using regional public and private collections to prepare both the general historian and the urban and regional planner for service in the fields of local history, museology and historic preservation. Required of students in public history field.

HIST 550**Graduate Research Seminar (5)**

Prerequisites: Permission of the instructor.

The Research Seminar introduces graduate students to advanced techniques in primary source research in history. With guidance from the instructor

and appropriate faculty members, students must find a suitable topic for research, complete with a historiographical justification. Students must conduct primary source research on their topic with special focus on printed sources—periodicals, newspapers, diaries and manuscripts—available through interlibrary loan. Students will prepare a historiographical essay, an annotated bibliography and a detailed outline of their project. Moreover, students must give evidence of substantial research in the relevant primary sources.

HIST 590**Historical Writing and Editing (5)**

This course sharpens students' research and writing skills and leads them into the realm of actual writing, editing and typesetting of historical articles for publication. The key feature of the class is a "hands on" approach to historical publication.

HIST 596**Experimental Course (1-5)****HIST 597****Workshops (1-5)**

Note: Workshop credit cannot be used to fulfill graduate degree requirements.

HIST 598**Graduate Writing Seminar (5)**

Prerequisites: HIST 550 and permission of the instructor. Writing seminar involving presentation and critique of research papers.

HIST 599**Independent Study/Reading (1-5)**

Prerequisites: Permission of the instructor and the department chair.

HIST 600**Thesis (1-15)**

Prerequisites: MA candidacy and permission of the department chair and the graduate research chair.

A bound research study conducted as partial fulfillment of a master's degree under the direction of a graduate committee.

HIST 601**Research Project (1-15)**

Prerequisites: MA candidacy and permission of the department chair and the graduate research chair.

A research study in lieu of a bound thesis conducted as partial fulfillment of a master's degree under the direction of a graduate committee.

HIST 694**History Internship (2-5)**

Graded Pass/No Credit.

Prerequisite: Permission of the department.

This program will stress application of history to potential vocational opportunities by providing supervised work experiences in cooperating agencies. Internships may be created in several fields; one such program will be a museum internship; others may be created in archives and libraries.

HIST 696**College Teaching Internship (2-5)**

Prerequisite: Permission of the department.

Learn teaching techniques appropriate for university teachers. Includes course planning, arranging bibliographical and instructional aids, experience in classroom instruction and student course evaluation.

HONORS

Undergraduate and Graduate Studies

Cynthia Cutler and James Hanegan, Interim Co-Directors

204 Hargreaves Hall

(509) 359-2822

Mary Benham, Coordinator and Advisor

e-mail address: Honors@mail.ewu.edu

website: www.ewu.edu/honors

Faculty: C. Cutler, P. Higman, J. Johnson, T. MacMullan, F. Preisig

Rotating Faculty: D. Elder, E. Evans, J. Hanegan, G. Kenney, W. Kraft,
A. LeBar, A. Sen, G. Smith, H-Y. Steiner

UNDERGRADUATE PROGRAM

Honors at Eastern Washington University cultivates excellence in undergraduate education by providing enhanced educational opportunities to superior students and special teaching opportunities to outstanding faculty. Honors courses and Honors activities seek to develop thorough knowledge and appreciation of the liberal arts and sciences; cultivate excellent writing, calculation and critical thinking skills; and inspire an attitude of self-responsibility, lifelong intellectual development and engagement with the world. Admission to Honors at Eastern is based entirely on demonstrated and potential intellectual and academic qualifications.

Recognition as an honors scholar is beneficial to students who apply for admission to graduate or professional schools; it also strengthens applications for employment. Participation in University Honors gives gifted and academically accomplished students the opportunity to develop and apply their talents by providing closer intellectual interaction between faculty and peers. Honors students delve deeper into their major disciplines and gain a broader perspective of their personal roles in society. Participation in the program shows that students are serious about learning; therefore, they receive special attention. Faculty members honor this commitment by providing special courses, individualized instruction and special advisors.

University Honors has both general and departmental honors components:

- General Honors emphasizes academic excellence in liberal arts curriculum areas. These Honors Sequence courses (101, 102, 103 and 104) are interdisciplinary in nature and designed primarily for freshmen, they satisfy 6 of the General Education Core Requirements.
- University Honors 398 courses are interdisciplinary in nature and intended to encourage honors students to consider their own fields of study from the perspective of a broader cultural framework. These are offered for transfer students, sophomores, juniors and seniors.
- Departmental Honors emphasizes academic excellence in one of the academic disciplines.

Financial Assistance: Incoming freshmen and transfer students have an excellent chance to receive one of the following scholarships: Killin, Academic Honors, Scholastic Honors, Honors Assistantship or the Transfer Honors Award. These awards are specifically for the academically gifted and accomplished. Contact University Honors for additional information.

Procedural Information for Honors: Incoming freshmen and transfer students who have exhibited outstanding scholastic ability and intellectual promise are invited to apply to University Honors. Those invited generally have GPAs of 3.6+ and superior SAT or ACT scores.

Other criteria include the Washington Pre-College Test, class rank, the Scholastic Aptitude Test, letters of recommendation from teachers or counselors and personal interviews. Special consideration is shown to students who have participated in honors programs while in high school or community college. National Merit Semifinalists or Finalists, National Achievement Semifinalists or Finalists and National Achievement Commended students are automatically eligible. Students not admitted to University Honors upon initial enrollment may be accepted into the program no later than the middle of their junior year. Such students must have at least a 3.3 college GPA and must be recommended by a department, faculty member or by the Director of University Honors, based on a personal interview.

Along with the college Admission Application, freshmen as well as transfers should complete the EWU General Scholarship Application to apply to the Honors Program. The Scholarship Application requires a current transcript, a letter of recommendation from an instructor or counselor and a brief letter indicating academic interest areas.

Degree Requirements for Honors:

Honors Designations

1. Students fulfilling the following minimum degree requirements will be awarded the baccalaureate degree with Lower Division Honors:

Freshmen honors sequence courses 16 credits
Total credits for lower division honors 16 credits

2. Students fulfilling the following minimum degree requirements will be awarded the baccalaureate degree with Transfer Honors:

Honors Seminar 398 (taught Fall only)

Honors seminar credits 4 credits
Senior capstone credits 4 credits
Total credits for university transfer honors 8 credits

3. Students fulfilling the following minimum degree requirements will be awarded the baccalaureate degree with University Honors:

Required freshmen honors sequence courses 16 credits
Required honors 398 courses 8 credits
Required senior capstone credits 4 credits
Total credits for university honors 28 credits

4. Students fulfilling the following minimum degree requirements will be awarded the baccalaureate degree with Departmental Honors:

Required departmental honors credits 12 credits
Required honors 398 courses 8 credits
Required senior capstone credits 4 credits
Total credits for departmental honors 24 credits

5. Students fulfilling the following minimum degree requirements will be awarded the baccalaureate degree with both Departmental Honors and University Honors:

Required freshmen honors sequence courses 16 credits
Required departmental honors credits 12 credits
Required honors 398 courses 12 credits
Required senior capstone credits 4 credits
Total credits for departmental honors and university honors 44 credits

Honors Courses

See course descriptions under participating programs and departments.

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

HONS 101

The Intellectual Tradition: The Ancient World (8)

FALL

[satisfies the GEGR as one humanities course and one social sciences course.]

Introduces major ideas of Western and Eastern thought—ideas which find expression in great works of ancient literature, philosophy, history, drama, art and science. Readings, class discussions and written assignments help provide understanding of these ideas through close, detailed study of important primary texts and through reading of secondary works which establish historical and cultural background for the primary texts.

HONS 102

The Intellectual Tradition: Middle Ages Through the Reformation (8)

WINTER

[satisfies the GEGR as one humanities course and one social sciences course.]

Introduces major ideas of Western thought during the late Middle Ages through the Renaissance and Reformation—ideas which find expression in great works of literature, philosophy, history, drama, art, music and science. Readings, class discussions and written assignments help provide understanding of these ideas through close, detailed study of important primary texts, and through reading of secondary works which establish historical and cultural background for the primary texts.

HONS 103

Modern Science and Society (8)

SPRING

[satisfies the GEGR as one social sciences course and with HONS 104 satisfies one natural sciences course.]

Introduces major ideas of natural and social scientists of the 19th and 20th centuries. Readings, class discussions and written assignments help provide understanding of these ideas through close, detailed study of important primary texts, and through reading of secondary works which establish historical and cultural background of the primary texts.

HONS 104

Honors Natural Science Lab (1)

SPRING

[the completed sequence of HONS 103, 104 satisfies the GEGR as one natural science course and HONS 103 alone satisfies one social sciences course.]

Prerequisite: Must be taken concurrently with HONS 103. The Honors Lab employs the scientific method to investigate and process physical, statistical and aesthetic data. Experiments are generally student designed.

HONS 398

Honors Courses (3-5)

Subject matter varies according to faculty and student interest. Designed for sophomores, juniors and seniors.

HONS 495

Honors Internship (1-5)

HONS 499

Independent Study (1-5)

HUMAN RESOURCE MANAGEMENT

See BUSINESS ADMINISTRATION.

HUMANITIES

College of Arts and Letters

Grant W. Smith, Program Coordinator

100C Patterson Hall

(509) 359-6023

BA

Minor

Faculty:Varies

UNDERGRADUATE PROGRAMS

Study of the humanities is distinguished by an interest in the human aspect of all knowledge. The humanities are therefore broad in nature, and a variety of individual programs can be designed for students who want a non-vocational, liberal arts background.

Each student majoring in humanities is expected to give careful attention to the relationships among the courses chosen for major and supporting purposes, and he or she should consult with the program coordinator frequently regarding the most effective means for achieving a synthesis.

The following distribution requirements are expected to meet the needs of most students; other patterns may be developed with approval of the program coordinator. In addition to the courses listed below, individual study of the classical languages, Greek and Latin, may be arranged.

The Humanities program offers two minors—a twenty credit minor in Humanities proper and 21–25 credit minor in Religious Studies (see description page 290).

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)

Humanities Major (64 credits minimum)

64 credits must be earned in courses not used for GEGRs

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses

Fine Arts

Select 2 or 3 courses from the following:

Art Department and/or
Music Department and/or
Theatre Department

Literature

Select 2 or 3 courses from the following:

English Department and/or
Modern Languages and Literatures Department and/or
Humanities

Philosophy

Select at least 2 courses from the following:

Department of Philosophy and/or
Humanities

Social Sciences

Select 2 or 3 courses from the following:

Geography/Anthropology Department (courses in anthropology) and/or
Economics Department and/or
Government Department and/or
History Department and/or

Psychology Department and/or
Sociology Department

Electives required in the major

Select any humanities courses not used for General Education Core Requirements. These courses may be taken from the participating departments' offerings or from the Humanities program itself. Consult with the program coordinator.

HUMN 490 Senior Thesis (4)
or ITGS 400 Interdisciplinary Senior Capstone (4)

Required fine arts credits	10 credits
Required literature credits	10 credits
Required philosophy credits	10 credits
Required social science credits	10 credits
Elective credits	20 credits
Senior thesis/capstone	4 credits
Total credits for above major	64 credits

Note: Because the above is an interdisciplinary major, all students are required to consult with the program coordinator when selecting courses for the above major.

Humanities courses emphasize analysis, history and theory of a subject. Practicums, workshops, internships, studio and applied courses are not applicable.

Minor

Humanities Minor (20 credits)

A Humanities minor is designed for students who wish to broaden and deepen their understanding and skills in selected areas of the traditional liberal arts.

Required Courses

20 credits in addition to courses used for GEGRS

Select 15 credits in at least two of the following three areas:

Fine Arts
Literature
Philosophy

Select 5 elective credits in one of the three areas listed above or in another area of study (e.g., social sciences)

At least 10 credits must be at the 300 level or above.

No more than 10 credits may be counted from any one department except HUMN.

Students should seek prior approval of the Program Coordinator for course selections.

Humanities courses emphasize analysis, history and theory of a subject. Practicums, workshops, internships, studio and applied courses are not applicable.

Total credits for above minor

20 credits

Humanities Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

HUMN 101

Introduction to Women's Studies (5)
[satisfies cultural and gender diversity university graduation requirement.]

Explores the struggle for equality, the message and impact of the media, power of language, influence of religion and the effects of socialization, education, race, class, roles, stereotypes and romantic love on the experience of women. (Cross-listed WMST 101)

HUMN 201

Dance in the Humanities (4)
Studies the dance heritage of Western civilization through an examination of the development of dance forms from their primitive beginnings to the present. The dance forms are viewed as a reflection of the interrelationship of humans and their culture.

HUMN 202

Theatre in the Humanities (5)
[satisfies the GEGR for humanities and fine arts, list 2, fine arts.]

Elements of theatre, dramatic structure, types and styles; tradition, values and ideas of the theatre and humanity's relationship to it. (Cross-listed THTR 202)

HUMN 210

Classics in Literature (5)

FALL/SPRING
[satisfies the GEGR for humanities and fine arts, list 1, literature.]

Studies works generally considered among the best and most typical of the early (e.g., Hebrew and Greco-Roman) expressions of Western culture and traditions. Discusses the development of specific themes and ideas (e.g., humanism) as they are found in several different works.

HUMN 211

Masterpieces of the Western World (5)

WINTER/SUMMER
[satisfies the GEGR for humanities and fine arts, list 1, literature.]

Literary works selected from the Early Middle Ages through the Renaissance which illustrate themes and ideas central to Western culture, especially the interaction of faith and individualism.

HUMN 212

Music in the Humanities (5)

[satisfies the GEGR for humanities and fine arts, list 2, fine arts.]

This course is a survey with primary focus on Western classical music in terms of humanistic development with emphasis on musical style and structure and relations with the other arts. (Cross-listed MUSC 212)

HUMN 213

Art in the Humanities (5)

[satisfies the GEGR for humanities and fine arts, list 2, fine arts.]

A survey of cultural interrelationships of the arts, emphasizing the visual arts of painting, sculpture and architecture. (Cross-listed ART 213)

HUMN 214

Introduction to African American Culture (5)

[satisfies cultural and gender diversity university graduation requirement.]

An interdisciplinary survey of African American culture beginning with ancient African history and traditions through contemporary issues in the African American experience. Attention given to basic principles of history, sociology, political science, economics and the arts in the study of the dynamics of the African American culture. (Cross-listed AAST 214)

HUMN 215

Introduction to Religion (5)

FALL/WINTER/SPRING/SUMMER
[satisfies the GEGR for humanities and fine arts, list 3, philosophy and reasoning.]

An introduction to the range of basic conceptual, historical, comparative, cultural and methodological issues in religion.

HUMN 270

Great World Views (5)

FALL/WINTER/SPRING
[satisfies the GEGR for humanities and fine arts, list 3, philosophy and reasoning.]

An analyses of selected writings from the viewpoint of what is said about human nature, the scheme of things and man's place in that scheme. Emphasis on rational reflection and the relation of various philosophies to the life and conduct of the student.

HUMN 290

Arts and Ideas (5)

SUMMER

This course may be used to satisfy any one of the three Humanities and Fine Arts areas in the General Education Core Requirements (List 1, 2, or 3) but it is normally offered in summers only.

This course traces the development of basic ideas and values in Western culture during the Renaissance—e.g., individualism and technical innovation. Special focus is placed on similar ideas and techniques found in the art, music, theater, literature and philosophy of the period, with frequent guest presenters from different fields of study.

HUMN 298

Seminar (1-5)

FALL/WINTER/SPRING/SUMMER

HUMN 299

Individual Study (1-5)

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the instructor and the program coordinator.

Special humanities studies vary according to faculty and student interests.

HUMN 300

Humanities in the United States (3)

Examines the artistic, philosophic and literary trends in the United States since Colonial times.

HUMN 303

Survey of Theatre History (5)

Prerequisite: THTR 202 or upper class standing. Surveys the major periods of Western theatre from Greek to modern trends. (Cross-listed THTR 303)

HUMN 310

Issues in Women's Studies (4)

[satisfies cultural and gender diversity university graduation requirement.]

Analyzes causes and effects of sexual stereotypes and surveys new scholarship through women's studies in psychology, economics, female biology, history, literature and others. (Cross-listed WMST 310)

HUMN 311**African and African American Art History (5)**
[satisfies cultural and gender diversity university graduation requirement.]

Prerequisite: ENGL 100.

Surveys visual arts from prehistoric Africa to the modern African American artist.
(Cross-listed ART 311, AAST 311)**HUMN 315****East-West Philosophies and Religions (5)**

FALL/WINTER/SPRING

[satisfies international studies university graduation requirement.]

Comparative study of the world's theological systems in their philosophical, historical and ethical contexts.

HUMN 316**Human Values in the Modern World (5)**

Prerequisite: Junior standing or permission of the instructor.

Confronts the question of values inherent in such timely and relevant issues as the worth of higher education; the new morality and its approach to such topics as abortion, euthanasia and homosexuality; medical technology and human values; racism; and religion.

HUMN 317**Frontiers of Human Knowledge (5)**

Prerequisite: Junior standing or permission of the instructor.

A survey (with regular guest presentations) of recent creative achievements in a variety of academic and artistic areas. Focus of the survey is on the roles of models and paradigms in science.

HUMN 319**Women Artists and Society (2)**

Prerequisite: English clearance.

Survey of women artists from antiquity to the modern period. The work of painters and sculptors will be discussed in terms of the social context and artistic style of their times. (Cross-listed WMST 319)

HUMN 320**The Human Prospect (5)**

WINTER/SUMMER

[satisfies international studies university graduation requirement.]

Prerequisite: Sophomore standing.

Explores the biological and philosophical roots of human's relationship with the environment.
(Cross-listed BIOL 320)**HUMN 325****Women in the Judeo-Christian Tradition (3)**

Explores ancient and Christian attitudes toward women.

HUMN 339**Human Values and Societal Expressions in Dress (4)**

A survey of cultural and societal attitudes and their interrelationships with dress, manners, customs, morals, religion, sex, ego and position.

HUMN 379**American Literature of Ethnic Minorities (5)**
[satisfies cultural and gender diversity university graduation requirement.]

Course may be taken more than once with different subject matter.

Any one of several major areas of ethnicity may be focused on: Native American, Asian American, Latin American/Chicano and Black American. Specialized sub-topics within these general areas may also be the subjects of this course in different offerings. Different subject matter will be indicated by words added to the title in the quarterly Course Announcement.
(Cross-listed AAST 379, ENGL 379)**HUMN 381****Nationalism and Racism in Central European Film (4)***[satisfies international studies university graduation requirement.]*

Prerequisite: ENGL 201.

This course provides the basic elements of film analysis and examines the depiction of national socialism, racism and the legacy of the Nazi past in German-speaking films by German and other Central European directors from the 1970s to the present. Evaluating criteria will differ depending on whether the course is taken for German or Humanities credit.
(Cross-listed GERM 381)**HUMN 410****Feminist Theory (4)**

Prerequisite: WMST 101 or HUMN/WMST 310.

Feminist theories developed to explain women's subordinate position in society and current trends in feminist thought. Includes psychoanalytic feminism, feminist literary criticism and cross-cultural views of feminism. (Cross-listed WMST 410)

HUMN 415**Gay, Lesbian, Bisexual and Transgender Studies (5)***[satisfies cultural and gender diversity university graduation requirement.]*

Prerequisite: One course in or cross-listed with Women's Studies.

This course consists of a theoretical examination of gay, lesbian, bisexual and transgender identities. The course material will include texts from queer theory and a wide variety of academic disciplines.
(Cross-listed WMST 415)**HUMN 440****Perspectives on Death (5)**

WINTER-EVERY TWO YEARS

[satisfies international studies university graduation requirement.]

Human awareness of death is unique, but the philosophical, religious and cultural response to it has been one of great variety. All human beings have dealt with the reality of death and the course will consider the most prevalent and meaningful perspectives.

HUMN 451**Comparative Drama: Tragedy (4)**Prerequisite: Junior standing or permission of the instructor.
Various tragedies based on a Greek myth, as presented by the Greek tragedians and adapted by dramatists such as Seneca, Racine, Jeffers, O'Neill, Gide.**HUMN 452****Comparative Drama: Comedy (4)**Prerequisite: Junior standing or permission of the instructor.
English translation of the comedies of dramatists such as Aristophanes, Menander, Plautus, Terence, Moliere and Giraudoux.**HUMN 454****Comparative Satire (4)**Prerequisite: Junior standing or permission of the instructor.
Satire from classical times to the present.**HUMN 460****Mass Media and American Society (5)**

Prerequisite: Junior standing or permission of the instructor.

The impact contemporary mass media have on all facets of American society. Audiovisual materials and guest speakers are an important element of this discussion-oriented course.

HUMN 490**Senior Thesis (4)**

FALL/WINTER/SPRING/SUMMER

[satisfies senior capstone university graduation requirement.]

Prerequisites: 40 credits in the major.

Humanities majors present the results of a research project or creative work prepared under the direction of a mentor approved by the Coordinator of Humanities. A second reviewer must approve the final evaluation of the project. This course or ITGS 400 must be used as the Senior Capstone required for graduation.

HUMN 497**Workshops, Short Courses, Conferences (1-5)**

FALL/WINTER/SPRING/SUMMER

HUMN 498**Seminar (1-5)**

FALL/WINTER/SPRING/SUMMER

HUMN 499**Directed Study (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the instructor and the department chair.

INDIAN STUDIES

See AMERICAN INDIAN STUDIES.

INTEGRATIVE STUDIES

Interim Dean of Graduate and Undergraduate Studies

Lawrence Briggs
207 Showalter Hall
(509) 359-4678 or
(509) 359-4675

Integrative Studies Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

ITGS 400

Interdisciplinary Senior Capstone (4)

FALL/WINTER/SPRING/SUMMER

Prerequisite: Senior standing.

The Interdisciplinary Senior Capstone carries students from the academic community into civic life. The course assembles students into teams for studying problems which graduates will confront as citizens in the Pacific Northwest. It asks students individually and in collaboration with others to produce documents which address these problems by drawing from an array of disciplinary perspectives. The University offers this course as an option for completing the senior capstone graduation requirement, depending on the student's major. (Major advisors can inform students about their major senior capstone requirements.)

INTERDISCIPLINARY GRADUATE PROGRAMS

Interim Dean of Graduate and Undergraduate Studies

Lawrence Briggs
206 Showalter Hall
(509) 359-4678 or
(509) 359-4675

Interdisciplinary programs using existing offerings from qualified departments may be arranged with the approval of the dean of Graduate Studies and a committee representing the fields of study involved. This committee, under the dean, provides the student with program advice and supervision.

Admission

Students applying for admission to a master of arts or master of science interdisciplinary degree program must follow the procedures for general admission to Graduate Studies as set forth previously in this catalog. In addition, admission to an interdisciplinary degree program requires:

1. A GPA of at least 3.0 for the last 90 graded quarter credits
2. An approved program proposal that has signatures of the faculty who have agreed to serve as advisors. The proposal form can be found under "forms" on the graduate studies web page, www.ewu.edu/grad.

Program Requirements

1. Minimum of 50 quarter credits
 2. No more than 12 credits may be 400-level course work
 3. No more than 12 credits may be independent study (499 or 599)
 4. Minimum of 20 credits in the major, including either a research project or thesis and at least 15 credits in one other minor field
- Note: The major field must be selected from one of the master's degree programs listed in this catalog. The minor field may be from either another master's degree program, or from another academic department.*
5. Submission of the proposal to the dean of Graduate Studies or his designee, listing the courses to be included within the program of study and signed for approval by the department chair or graduate director of the major and minor fields
 6. Inclusion in the proposal of a statement written by the student explaining how the proposed combination of courses comprises an interdisciplinary degree program and is simply a combination of multiple disciplines
 7. Inclusion within the program of a project (variable credit) that integrates the various disciplines included
 8. Inclusion in the proposal of a research component.

Approval of the program by the dean of Graduate Studies or designee shall be forthcoming only after a meeting of the dean and the student's interdisciplinary faculty committee. A purpose of the meeting will be to clarify how the program is interdisciplinary and not simply a combination of multiple disciplines.

The student's faculty committee will consist of two or three members representing the disciplines with at least 15 credits in the program and will be chaired by the faculty member representing the major field. An oral comprehensive examination is required to complete an interdisciplinary graduate degree program.

INTERDISCIPLINARY STUDIES

John L. Neace, Director
(509) 359-2402 (Cheney)
(509) 623-4372 (Spokane)

BA

Faculty: Varies according to degree option.

UNDERGRADUATE PROGRAMS

The Interdisciplinary Studies Program offers alternatives for students seeking degree programs which provide a broad background applicable to a variety of careers. The program has three options: liberal arts, prior learning and interdisciplinary studies.

This program and its options are intended to serve:

- Students who prefer a broad liberal arts concentration (Liberal Arts).
- Students who have acquired substantial specialized training and experience outside the academic classroom (Prior Learning).
- Students who wish to complete an interdisciplinary option using two or three academic disciplines (Interdisciplinary).

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)

Interdisciplinary Studies: Liberal Arts Option

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

The Liberal Arts option is designed to give students a breadth of academic experience to enrich their lives and broaden their understanding of the human experience.

Students participating in this program complete 60 upper division credits from the following three categories: Humanities, Sciences and Social Sciences. A 20/20/20 credit combination must be completed in these three breadth areas. These categories parallel the GECRs but are broader categories and are not restricted to those particular departments and courses. These courses must be completed in addition to Eastern Washington University's GECR requirement. Final approval of the degree plan is required by the director of Interdisciplinary Studies.

Total credits for above major

60 credits

Interdisciplinary Studies: Prior Learning Option

Interdisciplinary Studies: Prior Learning option requires a fee for the portfolio evaluation; please contact the program for current cost.

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

This program is designed for the returning adult who comes to Eastern with a specialized professional or paraprofessional preparation and experience. Selection is based upon assessment of documentary evidence describing each student's competencies, skills, learning outcomes and areas of expertise. Students design a 60-credit, upper-division emphasis that meets their specific goals and objectives. Specific courses are not required other than the Portfolio Development course (ITDS 300). This course enables the adult learner to translate prior learning into elective credit through the development of a portfolio. Portfolios are submitted to faculty members who determine the credit award. A student may earn up to 45 elective credits for prior learning experience that can be applied only to the prior learning option. Portfolio assessment does require a fee; please contact the Interdisciplinary Studies Program for current cost.

Total credits for above major

60 credits

Interdisciplinary Studies: Interdisciplinary Option

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

This option is for students who prefer an interdisciplinary option, combining 60 upper division credits from two or three academic departments, programs or certificates. Interdisciplinary Studies students follow the guidance of department chairs to design their courses in an area that an existing major does not accommodate. Pre-approval is required from departments or program directors and the Interdisciplinary Studies director.

Courses selected for this program may require prerequisite and advanced standing.

Total credits for above major

60 credits

Interdisciplinary Studies: Occupational Therapy

Note: See Occupational Therapy.

Interdisciplinary Studies: Philosophical Studies

Note: See Philosophy.

Interdisciplinary Study Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

ITDS 295

Contracted Learning (1-15)
 FALL/WINTER/SPRING/SUMMER

ITDS 300

Portfolio Development (4)
 FALL/WINTER/SPRING/SUMMER
 Graded Pass/No Credit.

Prerequisite: Permission of the instructor.
 Significant prior learning is documented for evaluation and awarded elective academic credit.

ITDS 395

Contracted Learning (1-15)
 FALL/WINTER/SPRING/SUMMER

ITDS 397

**Workshops, Short Courses
 Conferences (1-15)**
 FALL/WINTER/SPRING/SUMMER

ITDS 497

**Workshops, Short Courses
 Conferences (1-15)**
 FALL/WINTER/SPRING/SUMMER

INTERNATIONAL BUSINESS

See **BUSINESS ADMINISTRATION**.

INTERNATIONAL AFFAIRS

College of Social and Behavioral Sciences

Kristin Edquist, Director

212N Patterson Hall

(509) 359-7460

BA

Faculty: *Varies*

UNDERGRADUATE PROGRAM

The International Affairs Program in the department of government is designed to provide students interested primarily in the fields of international relations and comparative politics with a body of knowledge, perspectives and critical skills for understanding the political, economic, historical and sociocultural relationships and issues shaping today's global community. It offers a thoughtfully integrated, relatively flexible, interdisciplinary set of courses in the social sciences leading to the degree of Bachelor of Arts in International Affairs. The goal of this major is to provide students with a solid foundation for employment and/or advanced study in an international field.

The program of study provides students a choice of two concentrations—one in Global Studies and another in Area Studies (i.e., Asia or Europe). The Interdisciplinary curriculum of both concentrations, affords students the opportunity to gain an appreciation of competing theoretical perspectives, to grapple with multiple and overlapping economic, political and social linkages between and among global and domestic actors and events, and to apply this knowledge and understanding of complex global interdependence to the analysis of a wide range of issues. IA students learn to consider issues broadly, to see how issues and problems are interconnected and to engage in critical and creative thinking. The IA major's focus on preparing students for employment and lifelong learning into the 21st century clearly embodies the spirit of liberal arts education coupled with meaningful career preparation as we understand it at Eastern Washington University.

Students who major in International Affairs tailor their plan of study to their individual educational and career goals by choosing courses in Government, Economics, Sociology, History, Communications, Anthropology, Geography and Foreign Language. IA majors are also encouraged to pursue foreign study or internship opportunities with public and private agencies as part of their undergraduate education. The IA major culminates in a Senior Capstone in which students demonstrate their ability to analyze a complex issue or question, bringing to bear both the depth of their knowledge and the breadth of their liberal arts education.

Students majoring in international studies will gain competency in global relations, proficiency in a foreign language and skills in research, writing and oral communications. Students will be prepared to go on to graduate study in a wide array of disciplines such as: international studies, development, education or law. They will also be well equipped for career opportunities in the private, public and non-profit sectors.

Government Department and program recognition of outstanding students are additional features of the International Affairs Program. Outstanding International Affairs graduates are honored during the graduation ceremonies with the Eastern Washington University H. Kent Goodspeed Diplomat-in-Residence Award.

The program, in conjunction with the International Affairs Club, sponsors regular lectures, forums and debates on campus which encourage students and faculty to confront and consider the integrated character of global and areal political, economic and social issues.

Admission Requirements/Preparation

Prerequisites: 40 credits (includes GEGRs)

ANTH 101 Cultural Anthropology (5)
ECON 200 Introduction to Microeconomics (5)
ECON 201 Introduction to Macroeconomics (5)
Foreign Language Second Year (10)

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

International Affairs Major (72–74 credits)

Introduction Course

Choose one:

GOVT 203 Introduction to Comparative Politics (Area Studies) (5)
GOVT 204 Introduction to International Politics (Global Studies) (5)

Foundation Courses

CSBS 310 Foundations of Social and Behavioral Sciences Theory (5)

Plus one course selected from:

CSBS 320 Introductory Statistics for the Social Sciences (5)
CSBS 330 Integrated Social Science Methods (5)
CSBS 331 Documents-Based Research Methods (5)

Core Requirements

INST 200 Global Issues (4)
INST 490 Governance - Senior Capstone (5)
CMST 440 International Communication (5)
GOVT 322 International Political Economy (5)
HUMN 210 Classics in Literature (5)
SOVI 362 Sociology of Politics (5)

Concentration I: Global Studies

This concentration is for those students who are interested in a more general, broad-based understanding of global affairs.

GOVT 5 credits selected from:

GOVT 320 The International System (5)
GOVT 321 International Organization (5)
GOVT 323 American Foreign Policy (5)
GOVT 326 Politics of Western Europe (5)
GOVT 327 Politics of the Developing Nations (5)
GOVT 328 Politics of the People's Republic of China (5)
GOVT 329 Survey of the Pacific Rim: Asia (5)
GOVT 402 Topics in International Relations and Comparative Politics (5)

ANTH/GEOG 3–5 credits selected from:

ANTH 342 Tribes, Bands and Chiefdoms (5)
ANTH 348 Peasant Societies (5)
ANTH 366 Revolution and Development in the Third World (5)
GEOG 459 Political Geography (3)

ECON 5 credits selected from:

ECON 415 History of Economic Thought (5)
ECON 417 Political Economy (5)
ECON 421 Labor Economics (5)
ECON 424 Economics of Poverty and Discrimination (5)
ECON 450 Public Finance and Public Policy (5)
ECON 470 International Economics (5)
ECON 474 International Finance (5)
ECON 475 Economic Development (5)

HIST 5 credits selected from:

HIST 301 History of the Present (5)
HIST 306 Modern Europe (5)
HIST 310 History of Early Modern China (5)
HIST 350 War and Society (5)
HIST 410 China in the 19th and 20th Centuries (5)
HIST 412 Republican China (5)
HIST 416 Modern Japan (5)
HIST 454 Diplomatic History of Europe, 1914 to the Present (5)
HIST 481 History of Foreign Relations from 1898 (5)

FOREIGN LANGUAGE (Study Abroad) (10 credits)

or

INTERNSHIP (Government or Corporate) (10 credits)

or

Electives (10 credits)

Electives (300-level and above) are to be selected in consultation with the program director from appropriate disciplines in the Social Sciences, Humanities, Philosophy, the Sciences, Business and relevant special curricula, including interdisciplinary/cross-cultural programs.

Required introduction credits	5 credits
Required foundation credits	10 credits
Required core credits	29 credits
Required concentration credits	28–30 credits
Minimum credits for above major	72 credits

Concentration II: Area Studies

This concentration is geared for those students who are interested in a specialized, in-depth focus on a particular region of the world - i.e., Asia, Europe or Latin America.

Asian Area Studies**GOVT 5 credits selected from:**

INST 380 Japan Today (4)
GOVT 327 Politics of Developing Nations (5)
GOVT 328 Politics of the People's Republic of China (5)
GOVT 329 Survey of the Pacific Rim: Asia (5)
GOVT 402 Topics in International Relations and Comparative Politics (5)

ANTH/GEOG 3–5 credits selected from:

ANTH 342 Tribes, Bands and Chiefdoms (5)
ANTH 348 Peasant Societies (5)
ANTH 349 Major Civilizations of Asia (5)
ANTH 366 Revolution and Development in the Third World (5)
GEOG 459 Political Geography (5)

ECON 5 credits selected from:

ECON 415 History of Economic Thought (5)
ECON 417 Political Economy (5)
ECON 421 Labor Economics (5)
ECON 424 Economics of Poverty and Discrimination (5)
ECON 450 Public Finance and Public Policy (5)
ECON 470 International Economics (5)
ECON 474 International Finance (5)
ECON 475 Economic Development (5)

HIST 5 credits selected from:

HIST 300 Nationalism and Colonialism in Southeast Asia (5)
HIST 310 History of Early Modern China (5)
HIST 410 China in the 19th and 20th Centuries (5)
HIST 412 Republican China (5)
HIST 416 History of Modern Japan (5)

FOREIGN LANGUAGE (Study Abroad) (10 credits)

or INTERNSHIP (Government or Corporate) (10 credits)

or Electives (10 credits)

Electives (300-level and above) are to be selected in consultation with the program director from appropriate disciplines in the Social

Sciences, Humanities, Philosophy, the Sciences, Business and relevant special curricula, including interdisciplinary/cross-cultural programs.

Required introduction credits	5 credits
Required foundation credits	10 credits
Required core credits	29 credits
Required concentration credits	28–30 credits
Minimum credits for above major	72 credits

European Area Studies**GOVT 5 credits selected from:**

GOVT 326 Politics of Western Europe (5)
GOVT 402 Topics in International Relations and Comparative Politics (5)

ANTH/GEOG 3–5 credits selected from:

ANTH 343 Old World Prehistory (5)
ANTH 348 Peasant Societies (5)
ANTH 435 Irish History and Culture (5)
GEOG 459 Political Geography (5)

ECON 5 credits selected from:

ECON 415 History of Economic Thought (5)
ECON 417 Political Economy (5)
ECON 421 Labor Economics (5)
ECON 424 Economics of Poverty and Discrimination (5)
ECON 450 Public Finance and Public Policy (5)
ECON 470 International Economics (5)
ECON 474 International Finance (5)
ECON 475 Economic Development (5)

HIST 5 credits selected from:

HIST 306 Modern Europe (5)
HIST 360 History of Spain (5)
HIST 382 20th Century Germany (5)
HIST 432 Modern Britain Since 1870 (5)
HIST 433 British Empire Since 1850 (5)
HIST 445 History of Modern Germany (5)
HIST 454 Diplomatic History of Europe, 1914 to the Present (5)
HIST 455 Medieval Russia (5)
HIST 456 Imperial Russia (5)
HIST 457 Twentieth-Century Russia (5)

FOREIGN LANGUAGE (Study Abroad) (10 credits)

or INTERNSHIP (Government or Corporate) (10 credits)

or Electives (10 credits)

Electives (300-level and above) are to be selected in consultation with the program director from appropriate disciplines in the Social Sciences, Humanities, Philosophy, the Sciences, Business and relevant special curricula, including interdisciplinary/cross-cultural programs.

Required introduction credits	5 credits
Required foundation credits	10 credits
Required core credits	29 credits
Required concentration credits	28–30 credits
Minimum credits for above major	72 credits

International Affairs Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

See course descriptions listed under the participating programs and departments: Economics, Geography/Anthropology, Government, History, Humanities, Management (School of Business) and Modern Languages and Literatures.

INST 200**Global Issues (4)**

WINTER

Prerequisites: ENGL 101 is required, 201 is recommended. A survey of important large-scale issues and conditions which are active in the contemporary world. Included are global perspectives of ecological issues as well as social/economic issues.

INST 380**Japan Today (4)**

[satisfies international studies university graduation requirement.]

Prerequisite: ENGL 201 or instructor permission. A broad survey of contemporary Japan including society, culture, geography, government and economy. No knowledge of Japanese language is required. (Cross-listed JAPN 380)

INST 490**Governance - Senior Capstone (5)**

[satisfies senior capstone university graduation requirement.]

This seminar examines issues of Global Governance in the 21st century, inviting students to explore trends and transformations in: international politics, the global economy, technology, the world's environment. The importance of context—from the global and holistic to the local and personal—is emphasized throughout the course, requiring corresponding

research, analysis and reflection. Students will better understand and gain deeper insight into the dynamics of change, the forces which shape our present and future. Furthermore, the course encourages personal engagement, in the interest of relevance and pragmatism, through individual study and group interaction. The seminar combines conventional pedagogy with computer-mediated instruction and research on the Internet. Students will become proficient in applying principal Internet tools—e-mail, web browsers, telnet and search engines—working extensively with resources available on the Internet. (Cross-listed GOVT 490)

INST 498**International Studies Senior Seminar (5)**

Prerequisites: Advanced class standing and permission of the instructor.

An advanced-level seminar dealing with issues relating to the formation, implementation and evaluation of policy in international undertakings.

JAPANESE

See MODERN LANGUAGES AND LITERATURES AND PHILOSOPHY.

JOURNALISM

College of Arts and Letters

Stephen D. Blewett, Program Director

EWU Spokane Center, Spokane

(509) 623-4347

BA, BS

Minor

Faculty: S. Blewett, W. Stimson

UNDERGRADUATE PROGRAMS

The Journalism Program, located in Spokane, is designed to prepare students for professional journalism careers in print and electronic news reporting, public relations, public information and electronic publishing.

Few careers demand a more varied body of knowledge than does journalism. Journalists today are constantly working with far-ranging and complex issues. The journalism curriculum at Eastern recognizes that the profession is both a discipline of its own and yet a fusion of many disciplines in our culture.

General Admissions Requirements for Transfer Students: Transfer students should contact a Journalism program advisor during their application to the University. **Freshmen and Sophomores:** Journalism majors should try to complete their GEGRs during their first two years. Freshmen are encouraged to take JRN 100 (Eastern Staff). Freshmen and sophomores should contact the Journalism Program's advisors to identify those courses needed to prepare for their selected degree option. Completion of ENGL 101 and ENGL 201 are required for admission to the Journalism Program.

Because journalism courses build upon one another and are not repeated during the year, it is recommended that students begin study in the fall.

The BA News-Editorial Option prepares students for traditional roles in print and electronic journalism. During their freshman, sophomore and senior years News-Editorial students attend classes on the Cheney Campus. News Editorial Option journalism students take approximately three-fourths of their courses outside the professional program. In their junior year, students enter the Journalism Program in Spokane for a year-long program of study, using the City of Spokane as a learning laboratory. With few exceptions, only journalism courses will be taken during this time.

The option in Public Relations provides students with the theoretical and applied knowledge and skills required to enter the field of public relations, community relations and allied disciplines.

The interdisciplinary Technology and Computer Science options are designed to prepare students for careers in web design, Internet and Intranet information system design and management.

Internships: Students completing the News-Editorial Option are encouraged to complete an internship. Those completing either the Technology or the Computer Science Option or the Public Relations Option are required to complete an internship.

While the Program's residency in Spokane is designed primarily for students entering the program in their junior year, exceptions may be made for students who decide to enter the program and major in journalism during their senior year.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)

Students working toward the BA degree may either major or minor in journalism.

Journalism Major with Computer Science Option (85–96 credits)

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Core Courses

JRN 330 Mass News Media (5)
 JRN 332 News Writing (5)
 JRN 333 Advanced News Writing (5)
 JRN 337 Editing and Publishing (4)
 JRN 341 Reporting (5)
 JRN 351 Law of Journalism (4)
 JRN 395 In-Service Training (5–16)
 JRN 470 Desktop Publication Design (4)
Take the following courses or others in consultation with the Computer Science Department
 CPLA 215 Internet and WWW Basics (2)
 CSCD 110 Introduction to Programming (4)
 CSCD 210 Programming Principles I (5)
 CSCD 211 Programming Principles II (5)
 CSCD 240 C and Unix Programming (4)
 CSCD 300 Data Structures (4)
 CSCD 305 C++ Programming (4)
 CSCD 378 Web Programming (4)
 CSCD 411 Multimedia Techniques (4)
 CSCD 414 Multimedia Programming (4)
 CSCD 419 Multimedia Development (4)
 TECH 368 Introduction to Web Page Design (4)

Required core credits

37–48 credits

Required computer science credits

48 credits

Minimum total credits for above major

85 credits

Journalism Major with News Editorial Option (90 credits)

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Core Courses

JRN 330 Mass News Media (5)
 JRN 332 News Writing (5)
 JRN 333 Advanced News Writing (5)
 JRN 337 Editing and Publishing (4)
 JRN 341 Reporting (5)
 JRN 349 Photojournalism (4)
 JRN 351 Law of Journalism (4)
 JRN 442 Advanced Reporting (5)

Elective Core Courses

JRN 334 Magazine Article Writing (4)
 JRN 395 In-Service Training (5–16)
 JRN 451 Introduction to Public Relations Theory (4)
 JRN 452 Advanced Public Relations Theory (4)
 JRN 453 Public Relations Writing (4)
 JRN 470 Desktop Publication Design (4)

Second Concentration

Select courses in consultation with Journalism advisor.

Required core credits

37 credits

Elective core credits

8 credits

Required second concentration credits

45 credits

Total credits for above major

90 credits

Journalism Major with Technology Option (93–104 credits)

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Core Courses

JRN 330 Mass News Media (5)
 JRN 332 News Writing (5)
 JRN 333 Advanced News Writing (5)
 JRN 337 Editing and Publishing (4)
 JRN 341 Reporting (5)
 JRN 351 Law of Journalism (4)
 JRN 395 In-Service Training (5–16)
 JRN 470 Desktop Publication Design (4)

Take the following courses or others in consultation with the Computer Science department.

- CPLA 215 Internet and WWW Basics (2)
or HTML Knowledge
- CSCD 110 Introduction to Programming (4)
- CSCD 210 Programming Principles I (5)
- CSCD 211 Programming Principles II (5)
- CSCD 300 Data Structures (4)
- CSCD 378 Web Programming (4)
- CSCD 411 Multimedia Techniques (4)
- CSCD 414 Multimedia Programming (4)
- CSCD 419 Multimedia Development (4)

Take the following courses or others in consultation with the Engineering & Design department.

- TECH 216 Computer Graphics (4)
- TECH 360 Publishing for Print and the World Wide Web (4)
- TECH 263 Visual Communication Design I (4)
- TECH 368 Introduction to Web Page Design (4)
- TECH 373 Introduction to Multimedia Design (4)

Required core credits	37-48 credits
Required computer science credits	36 credits
Required engineering & design department credits	20 credits
Minimum total credits for above major	93 credits

Bachelor of Science (BS)

Journalism Major with Public Relations Option (83-90 credits)

The Journalism Program participates in an interdisciplinary major in Public Relations. Requirements for the major, when taken under the Journalism Program, are listed below; requirements for a similar major, when taken under the Department of Communication Studies; are listed under that department. The major provides the graduate with the theoretical and applied knowledge and skills required to competently enter the field of public relations in either the profit or not-for-profit sectors.

Required Courses

- JRNM 330 Mass News Media (5)
- JRNM 332 News Writing (5)
- JRNM 395 Inservice Training (5-10)
- JRNM 451 Introduction to Public Relations Theory (4)
- JRNM 452 Advanced Public Relations Theory (4)
- JRNM 453 Public Relations Writing (4)

- JRNM 470 Desktop Publication Design (4)
- CMST 430 Communications in Organizations (5)
- CMST 470 Applied Quantitative Research Methods (5)
- TECH 360 Publishing for Print and the World Wide Web (4)

One of: 5 credits

- CMST 201 Public Speaking (5)
- CMST 400 Message Design (5)

One of: 4-5 credits

- ENGL 409 Editing in Technical Communication (5)
- JRNM 337 Editing and Publishing (4)

One of: 4-5 credits

- ART 304 Art of Photography (5)
- JRNM 349 Photojournalism (4)
- TECH 350 Digital Imaging and Photography (4)

Select three upper division English courses in consultation with Technical Communication faculty

Required program credits	58-65 credits
Required technical communication credits	10 credits
Required upper-division credits	15 credits
Minimum total credits for above major	83 credits

Note: A minor in Technical Communication is recommended.

Minor

Journalism Minor (18 credits)

Students who elect to minor in journalism may complete their residency at the Center during the fall quarter of their junior or senior years.

The minor chosen as part of the second emphasis to a journalism major must be approved by the department in which it is earned.

Required Courses

- JRNM 330 Mass News Media (5)
- JRNM 332 News Writing (5)
- JRNM 351 Law of Journalism (4)

Electives

Select from upper-division journalism courses.

Required credits	14 credits
Elective credits	4 credits
Total credits for above minor	18 credits

Journalism Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

JRNM 100

Easterner Staff (3)

FALL/WINTER/SPRING

Graded Pass/No Credit.

Prerequisite: Permission of the instructor.

Reporting and editorial assignments on the staff of the University paper. Total of nine credits allowed.

JRNM 299

Individual Study (1-3)

FALL/WINTER/SPRING

Prerequisite: Permission of the instructor.

JRNM 330

Mass News Media (5)

FALL

A survey of scope, function, standards and career opportunities in mass news media.

JRNM 332

News Writing (5)

FALL/WINTER

Students study, cover, and write about local education, labor, business, law enforcement, crime and criminal law, religion, science and sports.

JRNM 333

Advanced News Writing (5)

WINTER

Prerequisite: JRNM 332.

In-depth reporting and news writing methods.

JRNM 334

Magazine Article Writing (4)

WINTER

Prerequisite: JRNM 332 or permission of the instructor.

Special stress is put on the development of article ideas, the preparation of manuscripts and analysis of various markets with a view of selling articles.

JRNM 337

Editing and Publishing (4)

WINTER

Newspaper and magazine copy editing and makeup and the preparation of copy, art and photography for the printer.

JRNM 341

Reporting (5)

WINTER

Prerequisite: JRNM 332.

Local government procedures at the city level, from a reporter's view. Coverage of the Federal Building.

JRNM 349

Photojournalism (4)

SPRING

Photography for newspaper and magazine illustration. Analysis of picture newsworthiness. Practical experience in taking and developing pictures.

JRNM 351

The Law of Journalism (4)

FALL

Prerequisite: Junior standing or permission of the instructor.

Laws relating to journalism including freedom of the press, libel, privacy, contempt of court and property rights in news.

JRNM 395

In-Service Training (5-16)

FALL/WINTER/SPRING/SUMMER

Prerequisite: Permission of the instructor.

Students spend one quarter in professional news media, including newspapers, radio and television or working in PR with an organization. Time may be divided equally among all three or restricted to a single medium of major interest. An opportunity to work with and observe professional newsmen in the gathering, preparation and distribution of news.

JRNM 435**Critical Writing (4)**

SPRING

Prerequisite: JRNM 332 or permission of the instructor.
Focuses on editorial and column writing and the reviewing of books, films, plays and television.

JRNM 442**Advanced Reporting (5)**

SPRING

Prerequisite: JRNM 341.
Local government at the county level, from a reporter's view. Coverage of court trials and the state legislature.

JRNM 450**Public School Journalism (3)**

SUMMER

Planning and design of school newspapers, using desktop publishing principles.

JRNM 451**Introduction to Public Relations Theory (4)**

FALL

Prerequisite: Junior standing.
Explores a broad range of concepts, elements, skills and impacts, including theory and applications; examines the role of public relations in business and society and as a profession.

JRNM 452**Advanced Public Relations Theory (4)**

WINTER

Prerequisite: JRNM 451 or permission of the instructor.
Applies journalism, communications and public relations theories and skills to case study examples in organizations and communication environments.

JRNM 453**Public Relations Writing (4)**

SPRING

Prerequisites: JRNM 332, 451 or permission of the instructor.
Methods of preparing and producing messages for organizations in print and other media forms.

JRNM 470**Desktop Publication Design (4)**

SPRING

Prerequisite: TECH 360 or permission of the instructor.
Applies the theories and principles of publication design to newspaper, newsletter, magazine and brochure formats as produced with desktop publishing technology.

JRNM 497**Workshops, Short Courses, Conferences (1-5)**

FALL/WINTER/SPRING/SUMMER

JRNM 498**Seminar in Journalism Problems (1-5)**

FALL/WINTER/SPRING/SUMMER

JRNM 499**Directed Study (1-5)**

FALL/WINTER/SPRING

Prerequisite: Permission of the instructor.

LIBRARY SCIENCE

See EDUCATION.

LINGUISTICS

Tracey McHenry, Advisor

258J Patterson Hall

(509) 359-2829

*Minor***UNDERGRADUATE PROGRAM**

Linguistics is a broad-based discipline concerned with the study of language. The minor in linguistics is an interdisciplinary program designed for students who require a background in this field as part of their baccalaureate preparation in an allied discipline. It is also intended for those students, regardless of their major, who have a general interest in language and linguistics.

Required courses in the following program of study may have prerequisites. Reference the course description section for clarification.

Linguistics Minor (26 credits)**Required Courses**

ANTH 445 Anthropological Linguistics (5)
or ENGL 360 Language Structure and Use (5)
ANTH 446 Sociolinguistics (3)
ENGL 460 Modern Grammar (5)
ENGL 461/COMD 407 Survey of Psycholinguistics (3)

Electives**Select from among the following:**

COMD 304 Phonetics (4)
COMD 331 Language Development (4)
ENGL 468 History of the English Language (5)
Modern Languages and Literatures: 5 maximum—see Note below

Required credits**16 credits****Elective credits****10 credits****Total credits for above minor****26 credits**

Note: One to five credits in language courses, as approved by the program advisor, may be applied towards meeting the requirements of the linguistic minor.

Courses

See course descriptions listed under participating programs and departments: Communication Disorders, English, Anthropology, and Modern Languages and Literatures.

MANAGEMENT

See BUSINESS ADMINISTRATION.

MANAGEMENT INFORMATION SYSTEMS

See BUSINESS ADMINISTRATION.

MARKETING

See BUSINESS ADMINISTRATION.

MATHEMATICS

College of Science, Health and Engineering

Christian Hansen, Chair

(509) 359-6068

216 Kingston Hall

BA, BAE

Minors

MS

Faculty: K. Adolphson, B. Alvin, L. Bolte, D. Canada, J. Coomes, D. Dowd, R. Eisele, D. Garraway, R. Gentle, M. Gilbert, D. Goering, M. Grabam,

C. Hansen, J. Lane, M. McDirmid, Y. Nievergelt, H. Sullivan,

E. Toneva, D. Williams

UNDERGRADUATE PROGRAMS

Mathematics is both an art and a science: it has the unique feature that, while it is typically studied for its own sake, throughout history its results have been crucial in the advancement of other sciences. Presently there is a shortage of American mathematicians. Many professionals at the forefront of the behavioral, social and pure sciences also must have a solid background in advanced mathematics.

Among the degrees offered by the department are bachelors of arts degrees in mathematics or mathematics with an option in computer science, economics or statistics which are designed to prepare students for graduate work in mathematics or in related disciplines such as statistics or economics or to equip students for work in industry. Well-prepared entering freshmen may opt to combine the bachelor of arts in mathematics program with the master of science in mathematics in the five-year bachelor of arts/master of science in mathematics program.

The program leading to the BA in mathematics is especially strong and is unique within the region. The department strives to promote excellence; it fields teams for the Putnam competition and prepares students for actuarial exams. It also sponsors a chapter of the mathematical honorary society, Pi Mu Epsilon. Recent graduates are successfully pursuing doctoral work at top-level universities.

The purpose of the five-year program is to provide mathematically talented high school students in the state of Washington the opportunity to earn a bachelor's degree and a master's degree in mathematics in five years. This program is highly competitive and prepares students for careers in industry, for careers in community college teaching and for further graduate studies.

The other degrees offered by the department are the bachelor of arts in education in secondary and in elementary mathematics education. The preparation of mathematics teachers is a major emphasis of the department. Six department faculty members have expertise in mathematics education and experience teaching elementary, middle and/or high school mathematics. Employment opportunities for teaching mathematics at elementary, middle and secondary levels are substantial and expected to remain high for the foreseeable future.

The department's mathematics education programs prepare future teachers by providing background in mathematics content, history of mathematics, teaching methods, learning theories, problem solving, the use of technology in teaching mathematics and current developments in curriculum. The secondary mathematics education program is one of the strongest in the state and provides students with a mathematics background that approaches that of the BA in mathematics. Completion of a major or minor in secondary mathematics education satisfies the current requirements for a mathematics teaching endorsement (certificate) for the state of Washington. The elementary mathematics education program is unique in the state; it provides a balance of mathematics content and teaching methods courses to give prospective K–8 teachers a deeper background in mathematics and the teaching of K–8 mathematics. Graduates of this program have the background to be mathematics content specialists at their schools.

The department has been strengthening its faculty and its faculty members are increasingly active in research. On occasion, undergraduates have been involved in research. Currently, faculty members are active in the areas of statistics, higher algebra, real and harmonic analysis, numerical analysis, complex variables, differential geometry, convexity and topology and in various areas of mathematics education including concept maps, functions, number sense in primary children and construction of mathematical understanding.

An important function of the department is to provide services to students from a wide range of disciplines. Mathematics tutoring labs provide employment for high-achieving students and assistance to students in all mathematics courses.

In addition, computers equipped with mathematics software and tutorials are used in conjunction with several courses offered by the department and allow students the practice needed to be successful in their mathematics courses.

General Admissions Requirements for Mathematics: High school students who want to pursue a major in this department (except the BAE elementary mathematics) should complete four years of high school mathematics, which includes two years of algebra, one year of geometry and one year of pre-calculus mathematics. All prospective department majors should contact the Mathematics Department office as soon as possible after being admitted to EWU to obtain an advisor and to plan a program of study.

Transfer students should contact their counseling office or the EWU Mathematics Department to identify appropriate lower-division and major/minor preparatory courses.

Five-Year Bachelor of Arts/Master of Science in Mathematics Program:

Students seeking entrance into the five-year bachelor of arts/master of science in mathematics program are required to:

1. Take a year of Calculus in their senior year at a college or at their high school. If the student takes Calculus at a college, he or she must average 3.5 or better. If the student takes Calculus in high school, he or she must take the Calculus Advanced Placement Exam (preferably the BC) and earn a 4 or a 5.
2. Apply to the Mathematics Department for admission into the program; a letter of recommendation from a high school mathematics teacher is required.

Placement Testing Policy: All students admitted to Eastern Washington University without an A.A. direct transfer degree must take the Mathematics Placement Test (MPT) prior to registering for classes at Eastern. The only exceptions are students who have received a score of 3.0 or higher on the Advanced Placement test and students who have received a grade of 2.0 or higher from a post-secondary institution in a course equivalent to the level of intermediate Algebra or above.

There are two tests: The Intermediate Mathematics Placement Test and the Advanced Mathematics Placement Test. The Intermediate MPT has 35 questions from the topics of Elementary Algebra, Intermediate Algebra and Precalculus I (topics from Algebra I and II in high school). The Advanced MPT has 30 questions from the topics of Intermediate Algebra, Precalculus and Calculus. The test you take depends on your background in mathematics and placement in a mathematics course is determined by the percentage of problems answered correctly.

A photo ID card is required at testing time. No calculators are allowed. The Mathematics Placement Test may be taken twice a year, with at least two weeks between test times. Contact the Mathematics Department for more information.

Prerequisite Policy: Students must have earned a grade of 2.0 or better in any mathematics course that is to be used to satisfy a prerequisite requirement for a subsequent mathematics course offered by the Eastern Washington University Mathematics Department.

Academic Progress Policy:

The intent of the Academic Progress Policy is to support mathematics department declared majors and minors who experience difficulty in mathematics courses required in their programs. Department experience has shown that with very few exceptions, requiring a student who has failed to earn a 2.0 in a required mathematics course to meet with an advisor, will be beneficial to the student in terms of maximizing the student's academic performance and minimizing the expected time to graduation.

A mathematics student is any Eastern Washington University student who intends to complete a major or minor in Mathematics; Mathematics with an option in Computer Science, Economics, or Statistics; Mathematics/Secondary; or Mathematics/Elementary.

Mathematics students who fail to make at least a 2.0 grade in any mathematics course taken at EWU must review the circumstances with an academic advisor during the term following the failure. A letter from the student explaining the circumstances must be placed in the student's file. Mathematics students failing to follow this procedure will not be allowed to enroll in subsequent mathematics courses.

Mathematics students who fail to make at least a 2.0 grade in mathematics courses taken at EWU on any two quarters during their undergraduate program must meet during the term following the second occurrence with a committee consisting of the student's appointed advisor and two other members of the mathematics faculty: one designated by the department chair and one chosen by the student. The committee will review the circumstances including the letter submitted after the first occurrence and recommend one of the following actions:

- (a) The student be allowed to continue in the program without specific remediation.
- (b) The student be required to remediate specific deficiencies in a way prescribed by the committee.

Mathematics students who fail to make at least a 2.0 grade in mathematics courses in three quarters during their undergraduate program must again meet with a committee of at least three faculty members who will decide if the student will be allowed to continue in the program. Students who are dropped from mathematics programs may be reinstated only by demonstrating the capability of academic excellence and a commitment to complete an undergraduate program in a reasonable time frame. This demonstration must be made before a committee of at least three members of the mathematics faculty.

Mathematics students who are dropped from mathematics programs will not be allowed to take subsequent mathematics courses except for those courses required by another department in the student's major program. The Department of Mathematics will not submit a letter of recommendation for Professional Degree Candidacy for any student who has been dropped from departmental programs.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)

Mathematics Major (89 credits)

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses

- MATH 161 Calculus I (5)
- MATH 162 Calculus II (5)
- MATH 163 Calculus III (5)
- MATH 225 Foundations of Mathematics (5)
- MATH 231 Linear Algebra (5)
- MATH 241 Calculus IV (5)
- MATH 360 or 460 Continuous Functions (4)
- MATH 431 Introduction to Modern Algebra I (4)
- MATH 432 Introduction to Modern Algebra II (4)
- MATH 461 Advanced Calculus I (4)
- MATH 462 Advanced Calculus II (4)
- MATH 494 Senior Seminar (2) (2.0 must be obtained for graduation)

Mathematics Electives**Select six courses from the following:**

- MATH 345 Numerical Analysis I (4)
 *MATH 347 Introductory Differential Equations (4)
 MATH 385 Probability and An Introduction to Statistics (4)
 *MATH 430 Advanced Linear Algebra (4)
 *MATH 433 Introduction to Modern Algebra III (4)
 *MATH 445 Numerical Analysis II (4)
 *MATH 447 Differential Equations (4)
 *MATH 470 Foundations of Geometry (4)
 *MATH 481 Complex Analysis (4)
 *MATH 485 Theoretical Probability and Mathematical Statistics (4)

Supporting Courses

Courses satisfying this requirement must be selected from the following two lists, with at least 5 credits from List A and at least 8 credits from List B. Additional prerequisites may be required for List A courses. Please check computer science course descriptions for prerequisite listings.

List A

- CSCD 210 Programming Principles I (5)
 CSCD 211 Programming Principles II (5)
 CSCD 234 Visual Basic Programming (3)
 CSCD 305 C++ Programming (4)
 CSCD 334 Advanced Techniques in Visual Basic (4)

List B

- CHEM 421 Physical Chemistry (4)
 CHEM 422 Physical Chemistry (3)
 CHEM 423 Physical Chemistry (3)
 CSCD 420 Automata (4)
 CSCD 421 Automata and Languages (4)
 CSCD 501 Theory of Computing I (4)
 CSCD 502 Theory of Computing II (4)
 ECON 430 Mathematical Economics (5)
 PHYS 151 General Physics I (4)
 PHYS 152 General Physics II (4)
 PHYS 153 General Physics III (4)

Required program credits	52 credits
Mathematics elective credits	24 credits
Required supporting credits	13 credits
Total credits for above major	89 credits

Mathematics Major with Computer Science Option (114 credits)

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses

- MATH 161 Calculus I (5)
 MATH 162 Calculus II (5)
 MATH 163 Calculus III (5)
 MATH 225 Foundations of Mathematics (5)
 MATH 231 Linear Algebra (5)
 MATH 241 Calculus IV (5)
 MATH 345 Numerical Analysis I (4)
 MATH 360 or 460 Continuous Functions (4)
 MATH 385 Probability and An Introduction to Statistics (4)
 MATH 494 Senior Seminar (2) (2.0 must be obtained for graduation)
 CSCD 110 Introduction to Programming (4)
 CSCD 210 Programming Principles I (5)
 CSCD 211 Programming Principles II (5)
 CSCD 240 C and Unix Programming (4)
 CSCD 260 Architecture and Organization I (4)
 CSCD 300 Data Structures (4)
 CSCD 305 C++ Programming (4)
 CSCD 320 Algorithms (4)
 CSCD 360 Architecture and Organization II (4)
 CSCD 420 Automata (4)
 CSCD 440 Operating Systems (4)
 ENGR 160 Digital Circuits (4)

Electives

Select three courses from one of two categories and two courses from the remaining category (for a total of 5 courses):

Category 1:

- *MATH 347 Introductory Differential Equations (4)
 MATH 431 Introduction to Modern Algebra I (4)
 *MATH 445 Numerical Analysis II (4)
 *MATH 447 Differential Equations (4)
 *MATH 485 Theoretical Probability and Mathematical Statistics (4)

Any other four credit Mathematics course numbered at or above 400 with the approval of the designated advisor for this degree.

Category 2:

- CSCD 421 Automata and Languages (4)
 CSCD 441 Operating Systems II (4)
 CSCD 442 Operating Systems III (4)
 CSCD 480 Computational Intelligence Informatics (4)

Any other four credit Computer Science course numbered at or above 400 with the approval of the designated advisor for this degree.

Required program credits	94 credits
Elective credits	20 credits
Total credits for above major	114 credits

Mathematics Major with Economics Option (82–83 credits)

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses

- MATH 161 Calculus I (5)
 MATH 162 Calculus II (5)
 MATH 163 Calculus III (5)
 MATH 225 Foundations of Mathematics (5)
 MATH 231 Linear Algebra (5)
 MATH 241 Calculus IV (5)
 MATH 345 Numerical Analysis I (4)
 *MATH 347 Introductory Differential Equations (4)
 MATH 385 Probability and an Introduction to Statistics (4)
 *MATH 445 Numerical Analysis II (4)
 or *MATH 485 Theoretical Probability and Mathematical Statistics (4)
 MATH 494 Senior Seminar (2) (2.0 must be obtained for graduation)
 CSCD 110 Introduction to Programming (4)
 or CPLA 120 Computer Applications Literacy (5)
 ECON 200 Introduction to Microeconomics (5)
 ECON 201 Introduction to Macroeconomics (5)
 ECON 404 Intermediate Microeconomic Theory (5)
 ECON 405 Intermediate Macroeconomic Theory (5)
 ECON 430 Mathematical Economics (5)
 ECON 437 Econometrics (5)

Minimum total credits for above major	82 credits
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Note: Because the above is an interdisciplinary program, it is necessary to consult with an advisor to determine if the courses above may be used to fulfill a GEGR. Students considering graduate study in Mathematical Economics are advised to take MATH 360 or 460 and 461.

Mathematics Major with Statistics Option (87 credits)

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses

- MATH 161 Calculus I (5)
 MATH 162 Calculus II (5)
 MATH 163 Calculus III (5)
 MATH 225 Foundations of Mathematics (5)
 MATH 231 Linear Algebra (5)
 MATH 241 Calculus IV (5)
 MATH 345 Numerical Analysis I (4)
 MATH 360 or 460 Continuous Functions (4)
 MATH 385 Probability and An Introduction to Statistics (4)
 MATH 386 Applied Statistics (4)
 MATH 461 Advanced Calculus I (4)
 MATH 462 Advanced Calculus II (4)
 *MATH 485 Theoretical Probability and Mathematical Statistics (4)
 *MATH 486 Advanced Topics in Statistics (3)
 MATH 494 Senior Seminar (2) (2.0 must be obtained for graduation)
 Select four courses from the following:
 MATH 431 Introduction to Modern Algebra I (4)
 MATH 432 Introduction to Modern Algebra II (4)
 *MATH 433 Introduction to Modern Algebra III (4)
 *MATH 445 Numerical Analysis II (4)
 *MATH 447 Differential Equations (4)
 *MATH 470 Foundations of Geometry (4)
 *MATH 481 Complex Analysis (4)

Electives

Courses satisfying this requirement must come from outside the Department of Mathematics and are to be selected in consultation with the department advisor.

Required program credits	79 credits
Elective credits	8 credits
Total credits for above major	87 credits

Note: If this is your chosen program, you should meet with a department advisor to plan your schedule before taking classes. See the EWU catalog for details, and see a department advisor at least twice a year to review your program. Make an appointment with Christian Hansen by calling (509) 359-6068.

Five-Year Bachelor of Arts (BA)/Master of Science (MS) in Mathematics (130 credits)

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses

MATH 161 Calculus I (5)
 MATH 162 Calculus II (5)
 MATH 163 Calculus III (5)
 MATH 225 Foundations of Mathematics (5)
 MATH 231 Linear Algebra (5)
 MATH 241 Calculus IV (5)
 MATH 360 or 460 Continuous Functions (4)
 MATH 431 Introduction to Modern Algebra I (4)
 MATH 432 Introduction to Modern Algebra II (4)
 MATH 461 Advanced Calculus I (4)
 MATH 462 Advanced Calculus II (4)
 MATH 494 Senior Seminar (2) (2.0 must be obtained for graduation)
 MATH 531 Algebra I (4)
 MATH 532 Algebra II (4)
 MATH 533 Algebra III (4)
 MATH 551 General Topology I (4)
 *MATH 561 Real Analysis I (4)
 *MATH 562 Real Analysis II (4)
 MATH 573 Topics in Applied Analysis (4)
 *MATH 581 Complex Analysis I (4)
 *MATH 582 Complex Analysis II (4)
 MATH 600 Thesis (8)

Mathematics Electives

Select five courses from the following:

MATH 345 Numerical Analysis I (4)
 *MATH 347 Introductory Differential Equations (4)
 MATH 385 Probability and An Introduction to Statistics (4)
 *MATH 430 Advanced Linear Algebra (4)
 *MATH 433 Introduction to Modern Algebra III (4)
 *MATH 445 Numerical Analysis II (4)
 *MATH 447 Differential Equations (4)
 *MATH 470 Foundations of Geometry (4)
 *MATH 481 Complex Analysis (4)
 *MATH 485 Theoretical Probability and Mathematical Statistics (4)
 *MATH 552 General Topology II (4)

(For students wishing to pursue careers in industry, the Mathematics Department recommends the following five courses: MATH 345, MATH 385, MATH 445, MATH 470 and MATH 485; for students wishing to pursue a PhD in Mathematics, we recommend MATH 385, MATH 430, MATH 452, MATH 470 and any other from the list.)

Supporting Courses

Courses satisfying this requirement must be selected from the following two lists, with at least 5 credits from List A and at least 8 credits from List B. Additional prerequisites may be required for List A courses. Please check computer science course descriptions for prerequisite listings.

List A

CSCD 210 Programming Principles I (5)
 CSCD 211 Programming Principles II (5)
 CSCD 255 C Programming for Engineers (5)
 CSCD 305 C++ Programming (4)

List B

CHEM 421 Physical Chemistry (4)
 CHEM 422 Physical Chemistry (3)
 CHEM 423 Physical Chemistry (3)
 CSCD 420 Automata (4)
 CSCD 421 Automata and Languages (4)
 CSCD 502 Theory of Computing I (4)
 CSCD 503 Theory of Computing II (4)
 ECON 430 Mathematical Economics (5)
 PHYS 151 General Physics I (4)
 PHYS 152 General Physics II (4)
 PHYS 153 General Physics III (4)

Master's Thesis

A Master's thesis in mathematics should make an original and constructive contribution to its field, at least in exposition if not in new mathematics. To this end, a thesis should demonstrate:

- a mastery of a substantial body of mathematics,
- the ability to search the mathematics literature and
- a talent for presenting mathematics clearly in correct English.

Ideally, a Master's thesis may establish a new result, but new results are not required. Instead, a thesis may present mathematics from other research works, in an exposition accessible to mathematicians who do not specialize in the topic of the thesis. The final version of the thesis may follow either a local format or a format required for submission to a professional mathematics journal.

Final Comprehensive Examination

A two-hour final examination conducted by the chair of the candidate's graduate committee is required. The candidate will present his or her thesis for the first hour. The remaining time is to be left for questions from the committee on the thesis as well as material selected from the candidate's course work.

Note: After having completed 180 credits and met all university graduation requirements for a BA, the students in this program will have the option not to take the fifth year and instead graduate with a BA in Mathematics provided one of the following conditions is met: a) The student has met all departmental requirements for a BA in Mathematics. b) The student has met alternative requirements approved by the Department Chair. Students apply for admission to the graduate program in the spring quarter of the fourth year and must meet the entrance requirements of the Graduate School. Upon acceptance to the graduate school (ordinarily when the student reaches 180 credits), the student officially becomes a graduate student, will pay graduate tuition and may apply for a graduate instructorship.

Required undergraduate credits	52 credits
Required graduate credits	44 credits
Mathematics elective credits	20 credits
Required supporting credits	14 credits
Total credits for above major	130 credits

Bachelor of Arts in Education (BAE)**Mathematics/Elementary Major (43 credits)**

Completion of this major, the General Degree Completion Requirements for Education, Elementary, and a minor field of study satisfies the state requirements for an Elementary Education teaching endorsement. This major is not designed to satisfy the state mathematics endorsement (secondary, grade levels 5-12). The Mathematics/Secondary Major and Minor for programs are designed to satisfy the requirements for a 5-12 mathematics endorsement.

Required Courses

MATH 211 Structure of Elementary Mathematics I (5)
 MATH 212 Structure of Elementary Mathematics II (5)
 MATH 311 Functions and Relations (5)
 MATH 312 Geometry for the K-8 Teacher (5)
 MATH 390 Methods of Teaching Elementary School Mathematics (5)
 MATH 411 Development of the Number System (4)
 MATH 412 Advanced Methods of Teaching K-8 Mathematics (5)
 MATH 420 Problem Solving for K-8 Teachers (4)
 MATH 490 Senior Capstone: Mathematics Practicum/Elementary (5)

Total credits for above major **43 credits**

Professional Education Requirements/Elementary Education: 102-103 credits

See the Department of Education section of this catalog. Prerequisites may also apply.

Minimum total credits for above major and professional education

145 credits

Note: The above major requires the completion of a minor.

Mathematics/Secondary Major (72 credits)

Completion of this major and the General Degree Completion Requirements for Education, Secondary, satisfies the state requirements for a state mathematics teaching endorsement (secondary, grade levels 5-12).

Required Courses

MATH 161 Calculus I (5)
 MATH 162 Calculus II (5)
 MATH 163 Calculus III (5)
 MATH 225 Foundations of Mathematics (5)
 MATH 231 Linear Algebra (5)
 MATH 241 Calculus IV (5)
 MATH 320 History of Mathematics (4)

MATH 360 or 460 Continuous Functions (4)
 MATH 370 Survey of Geometries (5)
 MATH 385 Probability and An Introduction to Statistics (4)
 MATH 386 Applied Statistics (4)
 MATH 431 Introduction to Modern Algebra I (4)
 MATH 432 Introduction to Modern Algebra II (4)
 MATH 492 Problem Solving Seminar (5)
 MATH 493 Methods of Teaching Secondary Mathematics (6)
 MATH 494 Senior Seminar (2) (2.0 must be obtained for graduation)

Total credits for above major **72 credits**

**Professional Education Requirements/
 Secondary Education: 46–47 credits**

See the Department of Education section of this catalog. Prerequisites may also apply.

**Minimum total credits for above major and
 professional education** **118 credits**

Note: The above major takes more than 12 quarters at 15–16 credits a quarter.

Minors

Mathematics Minor (29–30 credits)

Required Courses

MATH 161 Calculus I (5)
 MATH 162 Calculus II (5)
 MATH 163 Calculus III (5)
 MATH 225 Foundations of Mathematics (5)
 MATH 231 Linear Algebra (5)

Select one course from the following (4–5 credits)

MATH 345 Numerical Analysis I (4)
 MATH 360 or 460 Continuous Functions (4)
 MATH 370 Survey of Geometries (5)
 MATH 385 Probability and An Introduction to Statistics (4)

Required program credits **25 credits**

Required select one credits **4–5 credits**

Minimum total credits for above minor **29 credits**

Mathematics/Elementary Minor (29 credits)

Completion of this minor, the General Degree Completion Requirements for Education, Elementary, and a major field of study, satisfies the state requirements for an Elementary Education teaching endorsement. This minor is not designed to satisfy the state mathematics endorsement (secondary, grade levels 5–12). The Mathematics/Secondary Major and Minor for programs are designed to satisfy the requirements for a 5–12 mathematics endorsement.

Required Courses

MATH 211 Structure of Elementary Mathematics I (5)
 MATH 212 Structure of Elementary Mathematics II (5)
 MATH 311 Functions and Relations (5)
 MATH 390 Methods of Teaching Elementary School Mathematics (5)
 MATH 412 Advanced Methods of Teaching K–8 Mathematics (5)
 MATH 420 Problem Solving for K–8 Teachers (4)

Total credits for above minor **29 credits**

Mathematics/Secondary Minor (39 credits)

Completion of this minor, the General Degree Completion Requirements for Education, Secondary and a major field of study satisfies the state requirements for a state mathematics teaching endorsement (secondary, grade levels 5–12).

Required Courses

MATH 161 Calculus I (5)
 MATH 225 Foundations of Mathematics (5)
 MATH 231 Linear Algebra (5)
 MATH 320 History of Mathematics (4)
 MATH 370 Survey of Geometries (5)
 MATH 380 Elementary Probability and Statistics (5)
 MATH 431 Introduction to Modern Algebra I (4)
 MATH 493 Methods of Teaching Secondary Mathematics (6)

Total credits for above minor **39 credits**

**Note: Certain Mathematics courses will be offered every other year, alternating according to the following schedule:*

*Even numbered years: 342, 430, 445, 481, 486, 552, 581, 582
 Odd numbered years: 347, 433, 447, 470, 485, 561, 562
 (2006–2007 is an even year; 2005–2006 is an odd year)*

Students need to take this into account when planning a program of study in the Mathematics Department.

GRADUATE PROGRAM

The Mathematics Department at Eastern Washington University offers the Master of Science degree. The program is designed to meet the needs of students seeking employment in business and industry, those seeking careers in education at the elementary, secondary and post-secondary level, as well as students preparing for doctoral study in mathematics. The programs are rigorous and prepare the student for an increasingly competitive workplace. Graduates of these programs are highly successful professionals, scientists and teachers; many have earned doctorates.

The master of science curriculum includes core courses in algebra, complex analysis, real analysis and topology, courses on advanced topics; a research-expository thesis is required for all programs with the exception of the teaching options, which require a research report. Overall, the program is designed to develop competence in the central areas of mathematics, algebra, analysis and geometry, to such a point that the student can begin to see the profound interconnections between them. The thesis demands an in-depth study of a subject at or near the forefront of mathematics. These have been written in theoretical computer science, theoretical physics, applied mathematics and statistics, as well as pure mathematics; research reports focus on specific aspects of teaching mathematics at the high school or community college level. Well prepared entering undergraduates at Eastern Washington University may opt to combine the master of science program with the bachelor of arts in mathematics in the five-year bachelor of arts/master of science in mathematics program. Please consult the information in the undergraduate programs for Mathematics listed above for the complete description of this program.

The department offers three options with the MS Mathematics program, as well as special interdisciplinary master of science programs. The Applied Mathematics option provides an opportunity to complete a year-long sequence of courses in an applied field and write a thesis on the use of mathematics in such a field. This applied option retains most of the theoretical courses from the Master of Science curriculum, which also form the foundations of applications, so that student retain the flexibility to pursue applied or teaching careers or further research in doctoral programs. To achieve such breadth and depth, however, this applied option may require up to one additional year to complete. The Community College Instruction option is specifically tailored for the needs of an individual seeking a profession in community college or junior college teaching. The Secondary School Instruction option is designed for high school teachers who wish to extend both their knowledge of mathematics and mathematics education. Both curricula include core graduate courses in mathematics and mathematics education, a research project and an internship. Interdisciplinary programs typically combine two fields (e.g., business and mathematics or computer science and mathematics); these programs are highly individualized and planned in conjunction with the two departments involved.

Graduate assistantships and graduate instructorships, with a partial tuition waiver, are available competitively to qualified applicants with a bachelor's degree in mathematics, mathematics education or equivalent. Graduate Assistants receive approximately \$7,100 per academic year and typically teach one course per quarter. Instructors receive approximately \$12,500 per academic year and teach two courses per quarter. All graduate instructors are required to take a year long three credit method course during their first year of instructorship.

Admission Requirements/Preparation

Entrance requirements: In addition to applying for admission to the program, prospective MS students will need to apply for admission to the graduate school according to procedures described elsewhere in this catalog. The GRE general test is required for all graduate programs in mathematics. Expected preparation for MS students is a year of modern algebra along with introductory level courses in advanced calculus and topology.

Candidacy: Students who have been admitted and have begun their course of study should apply for admission to candidacy early in their program, using procedures described elsewhere in this catalog. Before candidacy can be approved, the student must remove all deficiencies regarding entrance requirements. Ordinarily, course work taken to help meet the entrance

requirements will not count toward fulfillment of the student's graduate program requirements. Upon admission to candidacy, the members of the student's graduate committee are selected.

Degree Requirements

Note: All mathematics graduate students who have been awarded a graduate service appointment with a teaching assignment must take MATH 521, 522 and 523.

Master of Science

Yves Nievergelt, Program Advisor

127 Kingston Hall

(509) 359-4259

Graduate Core

MATH 531 Algebra I (4)
MATH 532 Algebra II (4)
MATH 533 Algebra III (4)
MATH 551 General Topology I (4)
*MATH 561 Real Analysis I (4)
*MATH 562 Real Analysis II (4)
MATH 573 Topics in Applied Mathematics (4)
*MATH 581 Complex Analysis I (4)
*MATH 582 Complex Analysis II (4)
MATH 600 Thesis (8)

Other Supporting Credits (For teaching assistants only)

*MATH 521 Methods of Teaching Mathematics I (1)
*MATH 522 Methods of Teaching Mathematics II (1)
*MATH 523 Methods of Teaching Mathematics III (1)

Elective

Additional mathematics courses (1–6)

Required graduate core credits

44 credits

Supporting credits

0–3 credits

Elective credits

1–6 credits

Minimum total credits for above master's degree

48 credits

Applied Mathematics Option

Required Courses

MATH 531 Algebra I (4)
MATH 532 Algebra II (4)
MATH 533 Algebra III (4)
MATH 551 General Topology I (4)
*MATH 561 Real Analysis I (4)
*MATH 562 Real Analysis II (4)
*MATH 581 Complex Analysis I (4)
*MATH 582 Complex Analysis II (4)
MATH 600 Thesis (8)

Elective

Twelve credits of applied courses approved by the Department of Mathematics Curriculum Committee. A thesis and a final comprehensive examination.

Required option credits

40 credits

Elective credits

12 credits

Total credits for above master's degree

52 credits

Community College Instruction Option

Required Courses

EDUC 520 Methods of Educational Research (4)
MATH 521 Methods of Teaching Mathematics I (1)
MATH 522 Methods of Teaching Mathematics II (1)
MATH 523 Methods of Teaching Mathematics III (1)
MATH 531 Algebra I (4)
MATH 532 Algebra II (4)
MATH 533 Algebra III (4)
*MATH 561 Real Analysis I (4)
*MATH 562 Real Analysis II (4)
*MATH 581 Complex Analysis I (4)
*MATH 582 Complex Analysis II (4)
MATH 592 Theory and Research in Mathematics Education (3)
MATH 695 Mathematics Education Internship (6)
MATH 601 Research Report (8)

Total credits for above master's degree

52 credits

Secondary School Instruction Option

Required Courses

EDUC 520 Methods of Educational Research (4)
MATH 521 Methods of Teaching Mathematics I (1)
MATH 522 Methods of Teaching Mathematics II (1)
MATH 523 Methods of Teaching Mathematics III (1)
MATH 531 Algebra I (4)
MATH 533 Algebra III (4)
*MATH 561 Real Analysis I (4)
*MATH 581 Complex Analysis I (4)
MATH 592 Theory and Research in Mathematics Education (3)
MATH 695 Mathematics Education Internship (6)
MATH 601 Research Report (8)

Three of the following:

*MATH 433 Introduction to Modern Algebra III (4)
*MATH 470 Foundations of Geometry (4)
*MATH 485 Theoretical Probability and Mathematical Statistics (4)
MATH 486 Advanced Topics in Statistics (3)
or Approved upper division statistics course
MATH 492 Problem Solving Seminar (5)
MATH 493 Methods of Teaching Secondary Mathematics (6)
MATH 532 Algebra II (4)
MATH 551 General Topology I (4)

Total credits for above master's degree

51–55 credits

Master's Thesis (some options in the MS program in Mathematics require a research report in lieu of a thesis)

A master's thesis in mathematics should make an original and constructive contribution to its field, at least in exposition if not in new mathematics. To this end, a thesis should demonstrate:

- a mastery of a substantial body of mathematics,
- the ability to search the mathematics literature and
- a talent for presenting mathematics clearly in correct English.

Ideally, a master's thesis may establish a new result, but new results are not required. Instead, a thesis may present mathematics from other research works, in an exposition accessible to mathematicians who do not specialize in the topic of the thesis. The final version of the thesis may follow either a local format or a format required for submission to a professional mathematics journal.

Final Comprehensive Examination (required for all MS programs in Mathematics)

A two-hour final examination conducted by the chair of the candidate's graduate committee is required. The candidate will present his or her thesis or research report for the first hour. The remaining time is to be left for questions from the committee on the thesis as well as material selected from the candidate's course work.

**Note: Certain mathematics courses will be offered every other year, alternating according to the following schedule:*

Even numbered years: 342, 430, 445, 481, 486, 552, 581, 582

Odd numbered years: 347, 433, 447, 470, 485, 561, 562

(2006–2007 is an even year; 2005–2006 is an odd year)

Students need to take this into account when planning a program of study in the Mathematics Department.

Mathematics Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

MATH 100, 101, 102

Basic/Intermediate Algebra Combined (5 each)

Does not count toward the 180 credit requirement.

Prerequisites: Math Placement Test score of 3 or less, and/or recommendation by Advising and Developmental Mathematics Coordinator.

MATH 100, 101, 102 is offered as a three-quarter sequence alternative to MATH 103 and 104. Students who have a history of difficulty in mathematics may benefit from the slower pace of this course. Placement is determined by the Developmental Mathematics Coordinator and a student's advisor, and/or a math placement test score of 3 or less. Completion of MATH 100 and 101 with a grade of 2.0 or higher provides MATH 103 clearance, and completion of MATH 102 with a grade of 2.0 or higher provides MATH 104 clearance.

MATH 103

Basic Algebra for College Students (5)

FALL/WINTER/SPRING/SUMMER

Does not count toward the 180 credit requirement.

Topics include algebraic properties of number systems, the algebra of polynomials, systems of equations, inequalities, rational functions and solutions to equations of the first and second degree. This course is designed to assist students in preparing for the Basic Skills in Mathematics clearance examination. You are encouraged to have mastered this material before entering EWU.

MATH 104

Intermediate Algebra (5)

FALL/WINTER/SPRING/SUMMER

[satisfies the pre-university basic skills, mathematics.]

Does not count towards the 180 credit requirement.

Prerequisite: A satisfactory score on the Mathematics Placement Test or MATH 103 or equivalent.

Fundamentals of algebra. Designed for students who have had less than three semesters of high school algebra.

MATH 105

Precalculus I (5)

FALL/WINTER/SPRING

Prerequisite: MATH 114 or equivalent course or a 3.0 or better in MATH 104 or a satisfactory score on the Mathematics Placement Test (MPT).

This course includes functions, graphing, polynomials, rational functions, logarithmic and exponential functions and complex numbers. Graphing calculators are used throughout the course.

MATH 106

Precalculus II (5)

FALL/WINTER/SPRING

[for the university proficiencies, the course may be substituted for math 115.]

Prerequisite: MATH 105 or equivalent.

Trigonometric and inverse trigonometric functions, identities, complex numbers, sequences, series and mathematical induction. Graphing calculators are used throughout the course.

MATH 114

Algebra Concepts (5)

FALL/WINTER/SPRING

[completion of this course with a grade of 2.0 or better satisfies mathematics competency.]

Prerequisites: Grade 3.0 or better in MATH 103, or grade of 2.0 or better in MATH 104, or a satisfactory score on the Mathematics Placement Test (MPT).

This course introduces selected algebra topics

with in-depth implementation of graphing and mathematical reasoning and is designed to give you the foundation necessary to continue in mathematics courses at EWU.

MATH 115

Mathematical Reasoning (5)

FALL/WINTER/SPRING/SUMMER

[satisfies the university proficiencies, mathematics.]

Prerequisites: MATH 104 or equivalent course, or a satisfactory score on the Mathematics Placement Test (MPT); Computer Literacy Clearance.

The course explores sets, basic logic, truth tables, elementary probability and statistics, geometry, and the connections between mathematics and art, exponential functions, logarithms and geometric series. The spirit of the course is one of reasoning and problem solving. This is a terminal course intended for students not taking any other mathematics courses for their program of study. This proficiency may be satisfied by examination.

MATH 161

Calculus I (5)

FALL/WINTER/SPRING/SUMMER

[for the university proficiencies, course may be substituted for math 115.]

Prerequisites: MATH 106 and ENGL 100.

A review of the concepts of functions, absolute value, open and closed intervals and solutions of inequalities. Limits, derivatives of single variable functions and their applications, anti-derivatives, the definite integral.

MATH 162

Calculus II (5)

FALL/WINTER/SPRING

Prerequisite: MATH 161.

Applications of the definite integral, inverse functions, transcendental functions, techniques of integration, improper integrals, Taylor's formula.

MATH 163

Calculus III (5)

FALL/WINTER/SPRING

Prerequisite: MATH 162.

Polar coordinates, a brief treatment of conic sections, vectors, in R^2 and R^3 , parametric equations, introduction to partial differentiation, sequences and series.

MATH 196

Experimental Course (1-5)

MATH 199

Special Studies (1-5)

FALL/WINTER/SPRING

Does not count toward the 180 credit requirement.

Prerequisites: Permission of the instructor and the department chair.

MATH 200

Finite Mathematics (5)

FALL/WINTER/SPRING

[for the university proficiencies, course may be substituted for math 115.]

Prerequisites: MATH 114 or equivalent course, or a 3.0 or better in MATH 104, or a satisfactory score on the Mathematics Placement Test (MPT); Computer Literacy Clearance; ENGL 100 or placement into or above ENGL 101 on the EWU Writing Test.

This course provides an introduction to the mathematical systems encountered in the study of the behavioral sciences and a study of matrices, linear systems, linear programming, set theory and probability.

MATH 205

Introduction to Mathematical Modeling (5)

Prerequisites: MATH 105 and successful completion of ENGL 100.

An introduction to mathematical modeling from a heuristic point of view with emphasis on discrete models appropriate to the study of processes from the social, biological, behavioral and ecological sciences.

MATH 208, 209, 210

Structure of Elementary Mathematics Combined (5 each)

FALL/WINTER/SPRING

[completion of the three-course sequence MATH 208, 209, 210 with grades of 2.0 or higher satisfies the university mathematics proficiency requirement.]

Prerequisites: MATH 114 or equivalent course, or a 3.0 or better in MATH 104, or a satisfactory score on the Mathematics Placement Test (MPT); ENGL 100 or placement into or above ENGL 101 on the EWU Writing Test.

MATH 208, 209, 210 is offered as a three-quarter sequence designed as an alternative to MATH 211 and 212 for future and/or practicing elementary teachers. Students who have a history of difficulty in mathematics may benefit from the slower pace of this course. Grades above 2.0 in MATH 208 and 209 result in MATH 211 clearance, and a grade above 2.0 in MATH 209 results in MATH 212 clearance. While addressing the content of MATH 211 and 212, the course will focus on developing individual effective learning attitudes, a cohesive learning community, mathematical independence and a profound understanding of fundamental mathematics.

MATH 211

Structure of Elementary Mathematics I (5)

FALL/WINTER/SPRING

[for the university proficiencies, the completion of math 211 and 212 may be substituted for math 115.]

Prerequisites: MATH 114 or equivalent course, or a 3.0 or better in MATH 104, or a satisfactory score on the Mathematics Placement Test (MPT); ENGL 100 or placement into or above ENGL 101 on the EWU Writing Test.

This course provides an elementary introduction to set theory, numeration systems and the fundamental nature of nonnegative real numbers and their subsystems.

MATH 212

Structure of Elementary Mathematics II (5)

FALL/WINTER/SPRING

[for the university proficiencies, the completion of math 211 and 212 may be substituted for math 115.]

Prerequisite: MATH 211.

The fundamental nature of the real number system and its subsystems, applied geometry and problem solving. Designed for future and/or practicing elementary teachers.

MATH 225

Foundations of Mathematics (5)

FALL/WINTER/SPRING

Prerequisite: MATH 161.

Provides a transition from freshman-level to higher-level mathematics and is required for higher-level courses. Topics include logic, methods of proof, set theory, relations and functions and cardinality.

MATH 231

Linear Algebra (5)

FALL/WINTER

Prerequisite: MATH 106.

Theory and practice of vector geometry in R^2 and R^3 , systems of linear equations, matrix algebra, determinants, vector spaces, bases and dimension, linear transformations, rank and nullity and applications.

MATH 241**Calculus IV (5)**

FALL/SPRING

Prerequisite: MATH 163.

Differentiation of functions of several variables, multiple integrals, vector calculus. Should be taken as soon after Math 163 as possible.

MATH 297**Workshops, Short Courses, Conferences (3-5)**

Prerequisites: Permission of the instructor and the department chair.

MATH 298**Seminar (1-5)****MATH 299****Special Studies (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the instructor and the department chair.

MATH 300**Mathematics and Rational Thought (4)**

Prerequisites: Recommended placement above MATH 104 on the Mathematics Placement Test or MATH 104 or equivalent, junior standing, and ENGL 201.

Discusses pattern recognition, inductive and deductive reasoning, sources of knowledge and set theory. Examines the actions of consistency, completeness, independence, categoricity and models of axiomatic systems.

MATH 301**Discrete Mathematics (5)**

You may not receive credit for both MATH 301 and MATH 225. Prerequisites: Mathematics proficiency clearance and a previous course in a high-level programming language.

The theory and application of the mathematics most relevant to computer science. Set theory, logic, graph theory, combinatorics, number theory, discrete probability theory, mathematical induction and recursion.

MATH 302**Calculus and Hypothesis Testing (5)**

Prerequisite: MATH 200 or MATH 301 or equivalent.

A study of business calculus, applied statistical measures and hypothesis.

MATH 311**Functions and Relations (5)**

FALL/WINTER

Prerequisites: MATH 211 and 212 or permission of the instructor.

A discussion of the algebraic concepts of functions and relations from numeric, graphic and symbolic viewpoints.

MATH 312**Geometry for the K-8 Teacher (5)**

FALL

Prerequisite: (1) MATH 311 or permission of the instructor; and (2) (CPLA 100 and CPLA 101) or the equivalent.

Concepts from two- and three-dimensional geometry are explored and demonstrated. The course includes geometric proofs and requires the use of technology widely used in the K-12 system (and available in the Mathematics Department).

MATH 320**History of Mathematics (4)**

FALL-ODD YEARS

Prerequisites: ENGL 201; MATH 225 or permission of the instructor.

A historical development of mathematical ideas and methods. Emphasizes the individuals involved, the development of the intellectual activity called mathematics and the ebb and flow of mathematics in history.

MATH 328**Introduction to Graph Theory (4)**

Prerequisite: MATH 225 or 301.

Definition of graphs and digraphs, paths, cycles and semi paths. Types of connectedness, degrees, cutpoints and bridges. Definitions of trees, binary trees, balanced trees, ordered trees and spanning trees. Applications of the concepts to such diverse topics as electrical networks, food chains, ecological phase spaces, traffic control and colorability of maps.

MATH 341, 342, 343**Topics in Applied Analysis I, II and III (4 each)**

Prerequisite: for MATH 341: MATH 163; for MATH 342 and 343: MATH 241.

Selected topics in applied mathematics such as vector analysis, complex variables, partial differential equations, etc.

MATH 345**Numerical Analysis I (4)**

WINTER-EVEN YEARS/SPRING-ODD YEARS

Prerequisites: MATH 225 and 231 and a high-level computer language.

Develops numerical linear algebra essential for scientific computing; algorithms for solving systems of linear equations for eigenvalues (LU, QR, Jacobi's, and SVD), and theory of error estimates through condition numbers; may include such applications as linear regression, linear programming, or cubic splines.

MATH 347**Introductory Differential Equations (4)**

FALL-ODD YEARS

Prerequisite: MATH 163.

An introduction to ordinary differential equations, a nonrigorous, problem-solving approach including Laplace transforms and Fourier series with applications.

MATH 360**Continuous Functions (4)**

FALL

Prerequisites: MATH 225 and 231.

This course develops the topology of the n-dimensional real Euclidean space. Topics include the completeness of the real numbers, topological spaces, continuity and properties preserved by continuous functions, compactness and connectedness.

MATH 370**Survey of Geometries (5)**

WINTER

Prerequisite: (CPLA 100 and 101) or equivalent; and MATH 225.

Introduction to various finite and infinite geometries, both Euclidean and non-Euclidean. The logical notions of consistency, independence, interpretation and models and completeness will be explored. Properties and theorems of each geometric system will be developed synthetically, analytically and through use of technology.

MATH 380**Elementary Probability and Statistics (5)**

FALL/WINTER/SPRING/SUMMER

[for university proficiencies, course may be substituted for math 115.]

Prerequisites: MATH 105 or Mathematics Proficiency Clearance, Computer Literacy Clearance.

Empirical and theoretical frequency distributions. Discrete and continuous random variables. The binomial random variable and the normal. Descriptive statistics including measures of location, spread and association. An introduction to inferential statistics including confidence intervals and hypothesis testing.

MATH 385**Probability and An Introduction to Statistics (4)**

FALL/WINTER-ODD YEARS/SPRING-EVEN YEARS

Prerequisites: MATH 163, 225, Computer Literacy Clearance.

Mathematical theory of probability: proofs of simple theorems; Bayes' theorem and its applications to real world problems; discrete and continuous random variables; probability distributions for the binomial, geometric, Poisson, exponential and normal random variables; the distribution of the sample mean. Statistics: an introduction to confidence intervals and hypothesis testing.

MATH 386**Applied Statistics (4)**

WINTER

Prerequisite: MATH 380 or 385 or equivalent.

Statistical methods for research in the natural sciences. The course includes analysis of variance, multiple regression, analysis of covariance and nonparametric statistical procedures.

MATH 390**Methods of Teaching Elementary School Mathematics (5)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: MATH 211 and 212 or equivalent courses approved by the department; EDUC 303; junior standing. Course designed to teach current methods for teaching math (grades K-8).

MATH 399**Special Studies in Mathematics (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the instructor and the department chair.

MATH 401**Advanced Formal Logic (5)**

Prerequisites: PHIL 301 or math equivalent and successful completion of ENGL 101, and recommended placement above MATH 104 on the Mathematics Placement Test or MATH 104 or equivalent.

Advanced study of formal deductive systems. Develops predicate logic on a rigorous basis, establishes some important metatheorems for logical systems and introduces some concepts in semantics and issues in the philosophy of logic.

MATH 411**Development of the Number System (4)**

WINTER

Prerequisite: MATH 311 or permission of the instructor.

A rigorous development of the rational number system by applying the basic rules of logic.

MATH 412**Advanced Methods of Teaching K-8 Mathematics (5)**

WINTER/SPRING

Prerequisites: (1) (MATH 390 and MATH 311) or MATH 493 or approval of the instructor; and (2) (CPLA 100 and CPLA 101) or the equivalent.

Advanced course in methods of teaching math (grades K-8), including the (required) use of technology. Focused on the teaching of topics in measurement, probability and statistics, algebraic reasoning, ratio and proportion, and geometry.

MATH 420**Problem Solving for K–8 Teachers (4)**

FALL/SPRING

Prerequisite: (1) (MATH 390 or math teaching experience), and (2) (MATH 311 or equivalent course approved by the department), and (3) (CPLA 100 and CPLA 101) or the equivalent.

This math content course for prospective K–8 teachers requires students enrolled in the class to solve a large variety of problem-solving problems using a variety of strategies including the use of manipulatives, technology and mathematical representations. Techniques for teaching problem solving are discussed in the course. The use of a variety of types of technology is a required component of the course.

MATH 430**Advanced Linear Algebra (4)**

SPRING-EVEN YEARS

Prerequisites: MATH 225 and 231.

Advanced study of linear algebra, including the structure theory of linear transformations, the Cayley-Hamilton Theorem and multilinear algebra.

MATH 431**Introduction to Modern Algebra I (4)**

FALL

Prerequisites: MATH 225, 231.

Sets, groups, cyclic and permutation groups, Lagrange's Theorem, quotient groups and the isomorphism theorems.

MATH 432**Introduction to Modern Algebra II (4)**

WINTER

Prerequisite: MATH 431.

Basic theory of rings and ideals. Polynomial rings, principal ideal domains and unique factorization domains. Modules.

MATH 433**Introduction to Modern Algebra III (4)**

SPRING-ODD YEARS

Prerequisite: MATH 432.

Field theory. Splitting fields, Galois groups, fundamental Theorem of Galois Theory. Applications to classical problems of Euclidean constructibility and solvability by radicals.

MATH 445**Numerical Analysis II (4)**

SPRING-EVEN YEARS

Prerequisite: MATH 345.

Combines numerical linear algebra with calculus for scientific computing; numerical differentiation and Gaussian quadrature; existence, uniqueness, stability and numerical approximation of solutions of nonlinear systems, and of ordinary or partial differential equations; fast Fourier or wavelet transforms; may include such applications to the sciences as fluid dynamics, image processing, or nonlinear regression.

MATH 447**Differential Equations (4)**

WINTER-ODD YEARS

Prerequisites: MATH 225, 231 and 347.

Advanced study of differential equations including power series solutions, systems, numerical solutions and partial differential equations.

MATH 460**Continuous Functions (4)**

FALL

Prerequisites: MATH 225 and 231.

This course develops the topology of the n -dimensional real Euclidean space. Topics include the completeness of the real numbers, topological spaces, continuity and properties preserved by continuous functions, compactness and connectedness. Homework and examinations in Math 460 focus more

on designing proofs new to the student than they do in Math 360.

MATH 461**Advanced Calculus I (4)**

WINTER

Prerequisites: MATH 241 and 360 or 460.

This course applies notions from linear algebra and continuous functions to develop the calculus of functions of several variables. Topics include differentiability, the derivative as a linear transformation, extreme value problems, and the implicit and inverse function theorems.

MATH 462**Advanced Calculus II (4)**

SPRING

Prerequisite: MATH 461.

This course builds on topics introduced in Math 461 to treat integration. Topics include line integrals, exterior algebra and a general form of Stoke's Theorem, with selected applications to algebra, topology and fluid dynamics if time permits.

MATH 470**Foundations of Geometry (4)**

SPRING-ODD YEARS

Prerequisite: MATH 225 and 231 or concurrent enrollment.

A treatment of plane Euclidean and projective geometries, including the theory of conics, utilizing analytic methods and linear algebra.

MATH 481**Complex Analysis (4)**

FALL-EVEN YEARS

Prerequisite: MATH 360.

The algebra and calculus of complex functions. Series, holomorphic maps, Cauchy's Theorem, applications.

MATH 485**Theoretical Probability and Mathematical Statistics (4)**

SPRING-ODD YEARS

Prerequisites: MATH 241, 385.

Mathematical theory of probability; discrete and continuous multivariate distributions, moment generating functions, proof and application of the central limit theorem. Theory of statistical inference: topics in estimation and hypothesis testing; maximum likelihood estimates, the Neyman Pearson lemma, likelihood ratio tests. Other selected topics.

MATH 486**Advanced Topics in Statistics (3)**

FALL-EVEN YEARS

Prerequisites: MATH 385, 386, 485.

Students will apply general theory from MATH 385, 386 and 485 to an area of statistics new to them. One or more advanced topics will be selected by the students in consultation with the instructor teaching the course, typically among the following: generalized linear models, categorical data analysis, time series analysis, survival analysis. The course will have a theoretical component dealing with mathematical aspects of the given topic(s), as well as a practical component typically taking form of a student project involving the analysis of a real-world data set.

MATH 490**Senior Capstone: Mathematics Practicum/Elementary (5)**

FALL/WINTER/SPRING

[satisfies senior capstone university graduation requirement.]

Prerequisites: MATH 390 and MATH 412 and senior standing.

This course is a practicum for students majoring in Mathematics (Elementary Education). The students will do a pre-student teaching classroom experience in an elementary school mathematics classroom (3 credits) and participate in a seminar (2 credits). Lessons will be planned and taught. Emphasis will be on putting

educational theory into practice and reflecting on this process, particularly in the areas of problem solving, the NCTM Standards, use of manipulative materials and assessment. The course will fulfill the Senior Capstone Course requirement for the BAE Math/Elementary major.

MATH 492**Problem Solving Seminar (5)**

SPRING

Prerequisites: [(CPLA 100 and 101) or equivalent, senior standing; and MATH 225] or permission of the instructor.

The course examines various problem solving strategies and techniques for teaching problem solving at the secondary level such as direct proof, indirect proof, inferences, mathematical representations and the use of technology.

MATH 493**Methods of Teaching Secondary Mathematics (6)**

WINTER

Prerequisites: MATH 370. Concurrent enrollment in MATH 370 is allowed.

Designed to assist in the presentation and evaluation of algebra, geometry, trigonometry, statistics, probability and discrete mathematics in the middle and high school. Includes the use of traditional, technological and manipulative materials consistent with current theory and practice.

MATH 494**Senior Seminar (2)**

WINTER

Prerequisites for students pursuing the BA in Mathematics: Prior or concurrent enrollment in MATH 462 and 432; for students pursuing the BAE Secondary: Prior or concurrent enrollment in MATH 360, 386, 432 and 493; for students pursuing the BA in Mathematics with a Computer Science option: Prior or concurrent enrollment in MATH 360, 345 and 385.

The Senior Seminar course will explore the culture of mathematics through readings and classroom discussions. The students will be required to write a paper on some aspect of mathematics. At the same time, students will review the core mathematics they have studied and comprehensive tests will be administered in order to assess the knowledge they have acquired in their degree programs.

MATH 497**Workshops, Short Courses, Conferences (1–5)**

Selected topics to be arranged in consultation with the requesting organization.

MATH 498**Seminar (1–5)****MATH 499****Directed Study (1–5)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the instructor and the department chair.

MATH 501**Introduction to the Foundations of Mathematics (4)**

The nature of geometric and algebraic systems. The lectures are concerned with sets, symbolic logic, Boolean algebra, non-Euclidean geometry, the real number system, algebraic structure and philosophy. Recommended for all planning to teach mathematics.

MATH 521

FALL

Methods of Teaching Mathematics I (1)

Prerequisites: Concurrent enrollment in MATH 431 or 460 or 531.

Math 521 is the first course in a three-sequence designed to expose mathematics graduate instructors to a variety of instructional techniques of teaching mathematics at the precollege and introductory college level. This course focuses on designing effective lessons.

MATH 522

WINTER

Methods of Teaching Mathematics II (1)

Prerequisites: MATH 521 or permission of instructor.

Math 522 is the second course in a three-sequence designed to expose mathematics graduate instructors to a variety of instructional techniques for teaching mathematics at the precollege and introductory college level. This course focuses on developing effective questioning techniques and classroom discourse.

MATH 523

SPRING

Methods of Teaching Mathematics III (1)

Prerequisites: MATH 522 or permission of instructor.

Math 523 is the third course in a three-sequence designed to expose mathematics graduate instructors to a variety of instructional techniques for teaching mathematics at the precollege and introductory college level. This course focuses on developing teaching select topics from the developmental mathematics curriculum and assessing student learning.

MATH 531**Algebra I (4)**

FALL

Prerequisite: MATH 431 or permission of the instructor. The theory of groups, starting at the Sylow Theorems. Topics: group actions, normal series, solvable and nilpotent groups, structure theorem for abelian groups, semidirect products, extensions.

MATH 532**Algebra II (4)**

WINTER

Prerequisite: MATH 432 and 531 or permission of the instructor.

The theory of rings and modules. Topics: modules over principal ideal domains, Jacobson radical, chain conditions, Noetherian and Artinian rings, commutative algebra.

MATH 533**Algebra III (4)**

SPRING

Prerequisite: MATH 532 or permission of the instructor.

The theory of fields and character theory. Topics: Galois theory, finite fields, cyclotomic extensions, transcendental extensions, group rings, Wedderburn's Theorem, Schur orthogonality relations.

MATH 539**Seminar in Special Topics (1-5)****MATH 551****GENERAL TOPOLOGY I (4)**

FALL

Prerequisite: MATH 360 or 460 or a course in Topology.

Examines properties of abstract topological spaces and mappings including compactness and connectedness, conditions for metrization.

MATH 552**General Topology II (4)**

WINTER-EVEN YEARS

Prerequisite: MATH 551.

Discusses uniformities and proximities, nets and filters, compactification, completeness, function spaces, quotient spaces and related concepts.

MATH 553**Topics from Topology (4)**

Prerequisite: MATH 552.

Selected topics, depending on the interest of the class and instructor, chosen from such areas as point-set topology, linear topological spaces, homotopy theory, homology theory, topological groups and topological dynamics.

MATH 561**Real Analysis I (4)**

WINTER-ODD YEARS

Prerequisites: MATH 551.

This course presents the concepts of general measure and integration theory including the Lebesgue integral and its properties.

MATH 562**Real Analysis II (4)**

SPRING-ODD YEARS

Prerequisite: MATH 561.

Examines the concept of derivative in a measure theoretic setting, as well as product measures and Fubini's theorem.

MATH 573**Topics in Applied Mathematics (4)**

FALL

Prerequisite: MATH 561 or 581 or permission of the instructor.

Selected topics depending on interest of class and instructor. (Possible topics include: Fourier analysis, fractals, algebraic applications, information theory).

MATH 581**Complex Analysis I (4)**

WINTER-EVEN YEARS

Prerequisite: MATH 551.

This course establishes the basic properties of holomorphic functions, including complex derivatives, power series, singularities, residues and the general integral formula of Cauchy. In particular, the course proves such classical results as the Fundamental Theorem of Algebra, the Open Mapping Theorem, the Maximum Principle and the theorems of Weierstrass, Montel, or Looman-Menchoff. This course also presents examples of elementary conformal mappings, with optional applications to cartography or physics, from geometric or analytic points of view.

MATH 582**Complex Analysis II (4)**

SPRING-EVEN YEARS

Prerequisite: MATH 581.

Continues MATH 581 through the proofs of advanced results, such as the general Riemann Mapping Theorem, or properties of the special functions of Riemann and Weierstrass. If time permits, may include application to Algebraic Geometry, Number Theory and Coding, or extensions to several complex variables, for example.

MATH 590**Math Methods for Elementary Teachers (5)**

Prerequisite: Bachelor's degree or permission of instructor.

Designed to expose participants to a variety of instructional techniques for teaching mathematics concepts and skills at the K-8 level. Strengths and weaknesses of different techniques, such as lecture demonstration, small-group activities and problem solving are modeled and discussed.

MATH 592**Theory and Research in Mathematics Education (3)**

Prerequisite: graduate standing

This course is designed for graduate students in mathematics education who intend to pursue or further teaching careers. This course will explore the history of research in mathematics education; discuss various theories of mathematics learning; evaluate, synthesize and *critique* mathematics education research; and become acquainted with a diverse sample of quantitative and qualitative studies in mathematics education, as well as, with issue of current interest within the community. The course will be focused on issues that mathematics teachers should understand and investigate; including both content and research methods. In addition, students will be expected to select a mathematics content and/or pedagogical topic for particular emphasis in the course and conduct a research review. Students will leave the course with an understanding of the history of mathematics education research and of the use of research to inform teaching practice.

MATH 596**Experimental Course (1-5)****MATH 597****Workshops (1-5)**

Note: Workshop credit cannot be used to fulfill graduate degree requirements.

MATH 598**Seminar (1-5)**

Prerequisite: Permission of the instructor.

MATH 599**Independent Study (1-6)**

Prerequisites: Permission of the instructor and the department chair.

MATH 600**Thesis (1-15)**

A research thesis under the direction of a graduate committee.

MATH 601**Research Report (1-15)**

A research study in lieu of a bound thesis conducted as partial fulfillment of a master's degree in education under the direction of a graduate committee.

MATH 695**Mathematics Education Internship (6)**

Prerequisites: graduate standing

The theories of teaching and learning mathematics explored in the *Theory and Research in Mathematics Education* course (MATH 592) are made practically relevant in this course, as student teach classes such as MATH 211 or 212 while being mentored by faculty having experience with those classes. One-hour weekly seminars complement the in-class teaching assignment.

MATH 696**College Teaching Internship (1-5)**

Teaching a lower-division college course under supervision of a regular faculty member. Includes course planning, arranging bibliographical and instructional aids, conferences with students, experience in classroom instruction and student course evaluation.

MILITARY SCIENCE

College of Social and Behavioral Sciences
 Lieutenant Colonel M. David Millet, Chair
 203A Cadet Hall
 (509) 359-6109

BA

Minor

Faculty: E. Bermudez, R. Underwood, R. Van Aken

UNDERGRADUATE PROGRAMS

The Military Science Department offers a four year curriculum in leadership, both theoretical and practical. Students learn the fundamentals of leadership and then progress through increasing leadership responsibilities in order to improve individual level of proficiency. Many other "Life Skills," such as time management, oral and written communications, first aid and personal fitness as well as Adventure Training are also integrated into the program.

The Military Science Department is part of the Army Reserve Officer Training Corps (ROTC) program. The Army Reserve Officer Training Corps (ROTC) is included as part of the Military Science curriculum. Students who wish to enroll as a cadet, or to contract as a cadet must meet certain medical, physical and military screening standards. The program requires a leadership laboratory, off-campus training and internship opportunities. Both a major and a minor are offered by the department.

ROTC is traditionally a four-year program. Students with prior service, members of Army Reserve or National Guard units and ROTC Basic Camp graduates may be eligible to waive the lower division courses and complete the program in two years. The ROTC program consists of two phases: the Basic Course (normally taken during the Freshman and Sophomore years or obtained through advanced placement credit) and the Advanced Course (normally taken during the junior and senior years).

Basic Course: The Basic Course is open to all students interested in basic leadership and military skills training without any military obligation. The Freshman 100-level courses are 2-credit hours and consist of a one-hour classroom session and a two hour leadership laboratory (3 hours weekly). The sophomore 200-level courses are 3-credit hours and consist of a two hour classroom session and a two hour leadership laboratory (4 hours weekly). Basic Course focus is on leader development and small group dynamics combined with basic military skills training which offer students personal challenges and an opportunity to take ROTC for a test drive. Development of critical thinking and problem solving skills and improvement of oral and written communicative skills in a variety of different situations provide each student an environment within which to become a better leader and influencer within a chosen profession, local government, community service, church, or military officer. Students are also afforded the opportunity to apply and compete for on-campus ROTC 2- and 3-year scholarships.

Advanced Course: Upon completion of the Basic Course or equivalent, students become eligible for entrance into the Advanced Course. Eligible students must be selected prior to enrollment in the Advanced Course. Students may attend a four-week Leader's Training Course at Fort Knox, Ky., between their sophomore and junior year to meet Basic Course Requirements. Students receive pay during Basic Camp, three hours of classroom instruction plus a 2-hour lab.

The Advanced Course is a two year curriculum consisting of classroom instruction, leadership training and military field training. Students also attend a 35 day Leadership Development and Assessment Course Camp during the summer between their junior and senior years at Fort Lewis, Wash., for which they are paid both for the time at camp and for travel expenses to and from the camp location.

Completion of the Advanced Course qualifies the student to apply and compete for a commission in the United States Army either on active duty or in the Reserves or National Guard.

Financial Assistance: Each Advanced Course student receives a tax free stipend allowance of \$350–500 a month for up to ten months a year.

There are also cooperative programs with the Army Reserve and Army National Guard that pay 100% up to \$4500/school year of tuition, monthly drill pay and stipend for MS I, II, III and IV. Cadets who join the Army Reserves and Army National Guard and finish Basic Training and Advanced Individual Training (AIT) will qualify for the Montgomery GI Bill and GI Bill Kicker (\$297 + \$200).

Scholarships: The ROTC program offers several scholarships: 4-year, 3-year advanced designee, three and two-year scholarships for eligible students. Every scholarship provides full tuition, \$900 annual allowance for books and class fees in addition to the tax-free stipend of \$300 and \$350 per month for contracted Freshman and Sophomores, \$450 per month for Juniors and \$500 per month for Seniors.

Four-Year National Scholarship Program: Interested students apply while still in high school. Apply online at www.armyrotc.com. High school juniors may apply starting in March each year for the school year starting after their high school graduation. Any applications in before 15 July each year receive early consideration. Interested students should contact the EWU ROTC Scholarship Officer @ (509) 359-6110 for an application or nationwide 1 (800) USA-ROTC.

Three-Year National Advanced Designee Scholarship Program: This program is for high school seniors only. Application should be made, completed and submitted before the annual deadline of 15 November each year. An early decision cycle is offered for applications submitted by 15 July each year between the junior and senior years. Interested applicants DO NOT incur any military obligation by simply applying for a scholarship. Scholarship decisions and notification of scholarship winners begin after 15 Jan each year. Interested students should contact the EWU ROTC Scholarship Officer @ (509) 359-6110 for an application or call nationwide 1 (800) USA-ROTC.

Two- and Three-Year On-Campus Scholarship Program: This program is open to qualified students on campus. Interested students do not incur any military obligation by simply applying for a scholarship. Contact the EWU ROTC Scholarship Officer @ (509) 359-6110 to apply.

Extracurricular Activities:

Special Qualification Training: Advanced course and select Basic Course students may participate in confidence-building schools such as Air Assault School, Airborne School, Northern Warfare School and Cadet Troop Leader Training.

Ranger Club: An ROTC sponsored activity designed to provide its members with additional training in such subjects as patrolling, rappelling and cross country navigation. Members are not required to enroll in Military Science to participate in club activities. Club members also go on outings every quarter that include hiking, skiing and rafting.

Color Guard: The Eastern Washington University Color Guard participates in a variety of school and civic functions where precision drill or presentation of the United States Flag is required.

Intramural Sports: The Department sponsors teams which participate in basketball, volleyball, softball and other sports of the Eastern Washington University intramural teams. Uniforms and equipment are provided by the Military Science Department.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)

Military Science Major (83 credits)

Although not required for completion of the basic course or the advanced course, the department does offer both a major and a minor in military science with permission only. The major in military science is designed to give the student interested in a military career a broad background in various academic areas.

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses

ROTC 201 Basic Navigation Techniques (3)
 ROTC 202 Basic Military Skills (3)
 ROTC 203 Military Leadership (3)
 ROTC 301 Military Science and Tactics I (4)
 ROTC 302 Military Science and Tactics II (4)
 ROTC 303 Military Science and Tactics III (4)
 ROTC 304 Military Science and Tactics III (National Advanced Leadership Camp) (8)
 ROTC 401 Military Science and Tactics IV (4)
 ROTC 402 Military Science and Tactics IV (4)
 ROTC 403 Military Science and Tactics IV (4)
 CMST 200 Introduction to Speech Communication (4)
 ENGL 205 Introduction to Technical Communication (5)

GOVT 320 The International System (5)
 GOVT 323 American Foreign Policy (5)
 HIST 350 War and Society (5) (also required for commissioning)
 HUMR 328 Personnel Management (4)
 MGMT 326 Organization Theory and Behavior (4)
 PHIL 212 Introductory Ethics (5)
 PSYC 309 Scientific Principles of Psychology (5)

Total credits for above major

83 credits

Minor

Military Science Minor (37 credits)

Required Courses

ROTC 301 Military Science and Tactics I (4)
 ROTC 302 Military Science and Tactics II (4)
 ROTC 303 Military Science and Tactics III (4)
 ROTC 304 Military Science and Tactics III (National Advanced Leadership Camp) (8)
 ROTC 401 Military Science and Tactics IV (4)
 ROTC 402 Military Science and Tactics IV (4)
 ROTC 403 Military Science and Tactics IV (4)
 HIST 350 War and Society (5)
 English/Math/Computer Literacy must meet university requirements

Total credits for above minor

37 credits

Military Science Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

ROTC 101

Military Values and Leadership I (2)

FALL

Open to all students. Prerequisite: None.

An introduction to the fundamentals of military values, leadership and decision making. This course is the first in a series that focuses on developing student critical thinking and problem solving with the goals of promoting team building and improving oral and written communicative skills. Students are exposed to basic map navigation skill as a confidence building technique. Leadership labs provide exposure to larger group dynamics while learning basic military skills.

ROTC 102

Military Values and Leadership II (2)

WINTER

Open to all students. Prerequisite: None.

An introduction to the fundamentals of military values, leadership and decision making. This course is a continuation in a series that focuses on developing student critical thinking and problem solving with the goals of promoting team building and improving oral and written communicative skills. Students are exposed to basic map navigation skill as a confidence building technique. Leadership labs provide exposure to larger group dynamics while learning basic military skills.

ROTC 103

Military Values and Leadership III (2)

SPRING

Open to all students. Prerequisite: None.

This course builds on the fundamentals developed in ROTC 101/102. This course focuses on allowing the

individual student to become acquainted with problem solving and decision making processes (what the student actually does as a leader). Students continue to be placed in various small group leadership situations that demand leader decisions to ethical and moral problems. In the labs, students continue to learn confidence building skills, such as winter survival and other basic military skills.

ROTC 201

Basic Navigation Techniques (3)

FALL

Open to all students.

Addresses land navigation techniques and communication skills. Included is a study of the fundamentals and use of topographic maps and the magnetic compass to determine locations, directions and terrain features. Students are also given the opportunity to give presentations and to lead small groups.

ROTC 202

Basic Military Skills (3)

WINTER

Open to all students.

Addresses basic military skills and small unit leadership. Included are studies of small military units and how they function in a tactical environment, training in basic military skills and leadership studies.

ROTC 203

Military Leadership (3)

SPRING

Open to all students.

Study of military leadership principles and traits and how they are used by the Army officer to accomplish a mission. Continuation of instruction in basic military skills.

ROTC 205

Military Science Tactics Laboratory IV (Land Navigation) (1)

FALL

Open to all students.

Study of outdoor tactical land navigation theory and skills. Drill and ceremonies, first aid, ranger skills and field communication are taught with practical application in a realistic field environment.

ROTC 208

ROTC Qualification (1-5)

SUMMER

Open to all students. Prerequisite: Permission of the instructor.

Prepares the nonenrolled student for enrollment in the ROTC Advanced Program. Consists of courses offered in the basic course program and includes land navigation, first aid, drill and ceremonies, leadership, professional knowledge subjects and field training.

ROTC 299

Individual Studies (1-5)

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the instructor and the department chair.

Topics are mutually agreed upon by students and the instructor.

ROTC 301

Military Science and Tactics I (4)

FALL

Prerequisite: Permission of the instructor.

This course covers advanced land navigation techniques, leadership techniques, communication and an introduction to small unit tactics. The laboratory portion consists of extensive practical, training and an intensive physical fitness training program.

ROTC 302**Military Science and Tactics II (4)**

WINTER

Prerequisite: Permission of the instructor.

This course covers leadership techniques using small unit tactics. The laboratory portion consists of extensive practical training and an intensive physical fitness training program.

ROTC 303**Military Science and Tactics III (4)**

SPRING

Prerequisite: Permission of the instructor.

This course reviews advanced land navigation techniques, communication and small unit tactics in preparation for National Advanced Leadership Camp. The laboratory portion consists of extensive practical training and an intensive physical fitness training program.

ROTC 304**Military Science and Tactics III (National Advanced Leadership Camp) (1-8)**

SUMMER

Prerequisite: Permission of the department chair.

Practical exercise in individual soldier skills, leadership and small unit tactics. 30 day camp at Fort Lewis, WA.

ROTC 395**CO-OP Fieldwork (1-5)**

FALL/WINTER/SPRING/SUMMER

Open to all students.

Prerequisite: Permission of the instructor.

Practical exercise in small unit leadership and basic tactics. Designed for nonenrolled students and fulfills prerequisites for entry into the Advanced Course program.

ROTC 399**Individual Studies (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: Permission of the instructor.

Topics are mutually agreed on by the student and the instructor.

ROTC 401, 402, 403**Military Science and Tactics IV (4 each)**

FALL(401)/WINTER(402)/SPRING(403)

Prerequisite: Permission of the department chair.

A study of the principles of war, law of war, the military justice system and ethical and professional behavior theory. Discusses force structuring, consequences and requirements of defense policy, organization and functioning of the staff, logistics, training, administration and effective leadership.

ROTC 495**Professional Internship (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the instructor and the department chair.

Provides practical military experience through participation in a work experience program. Requires a detailed written report. The program is mutually agreed upon by students and instructor.

ROTC 499**Individual Studies (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the instructor and the department chair.

Topics are mutually agreed on by students and the instructor.

MODERN LANGUAGES AND LITERATURES AND PHILOSOPHY**College of Arts and Letters****Wayne Kraft, Chair****350F Patterson Hall****(509) 359-2859****BA, BAE****Minors****MED***Faculty: M. Andrews (Spanish), J. García-Sánchez (Spanish),**M. Heady (French), P. Higman (Spanish), W. Kraft (German),**C. Mount (Spanish), F. Preisig (French), J. Stewart-Strobel (German),**T. Stradling (Japanese), G. Walas (Spanish), S. Winkle (German)**Learning Center Director: P. Foster***UNDERGRADUATE PROGRAMS****Major and Minor Programs; Basic Language Instruction**

The Department of Modern Languages and Literatures offers full major programs in French and Spanish, leading to this degree: bachelor of arts. Minor programs in German and Japanese are also offered by the department. The department also offers courses in Russian. Graduate work leading to the Master of Education in Foreign Languages for French is offered in summer sessions as well as during the academic year (see Graduate Program listed below).

The Department of Modern Languages and Literatures promotes several kinds of values within the academic community and the pursuit of these values constitutes, in a broad sense, the educational mission of the department.

Practical Values. The instruction of basic, intermediate and advanced foreign or second language skills allows students to acquire practical knowledge in the speaking, listening comprehension, reading and writing of the "target" language.

Intellectual Values. Through all levels of learning in language and literature programs the student pursues (1) an understanding about the phenomenon of language, (2) enhanced skills in inquiry, analysis and the exercise of critical faculties and (3) an understanding about the individual nature of the more specialized discourse in cultural and literary studies.

Aesthetic Values. The study of the literature and of other creative forms of human expression associated with a given national culture promotes greater discrimination and greater enjoyment in aesthetic experience.

Cultural Values. The language, literature and culture courses within the language program promote (1) the knowledge and appreciation of cultural history and (2) the awareness of the ideas, manners, customs, skills and other cultural attributes that define a particular people as well as a sensitivity to the phenomenon of cultural diversity.

Study Abroad Opportunities: The Department of Modern Languages and Literatures recommends that students complete the equivalent of at least two years of university language study before taking advantage of a study abroad program.

Summer study abroad programs are available in France at the University of Nice, in Spain at the Escuela Internacional and in Germany at the Technical University in Lübeck. Eastern also has established student exchanges with one or more universities in Australia, Japan, Mexico and Germany (as well as with several universities where English is the language of instruction). Since there are often such programs in the development stage and since students have access to the study abroad programs of other American universities as well, students who are interested in exchange opportunities should check with Modern Languages and Literatures and with the Study Abroad Office for the latest information.

Academic Policy:

Language Placement—Guidelines for students for determining where they should place themselves in a language course sequence, based on where they ended previous language study.

The first- and/or second-year courses in languages need to be taken in a sequence. This statement intends to provide guidelines for students in determining where they should place themselves in a language course sequence, based on where they ended previous language study. (A separate set of guidelines—"Advanced Placement (AP) Test Credit"—governs credit and placement for students who have taken the national AP Test.)

No Previous Study—Students who have no prior study or knowledge of a language should begin study with 101, normally Fall Quarter.

High School Language Experience

The state of Washington has established equivalency standards for high school and college/university language instruction. Under those official standards, one year of high school language study equals one quarter of university study; two years of high school equal two quarters at university; three years high school equal the entire first-year college/university sequence.

The following guidelines show where students should begin university study, according to their high school language background. Students ought normally to begin at the highest level indicated. This makes them eligible for maximum "Proficiency Placement Credit" (see separate policy guidelines). They may elect to begin at a lower level and/or be advised to do so for reasons of weak background and/or a considerable lapse of time between high school study and university enrollment.

Students with **one year** of high school language study should place themselves in a 102 section (normally Winter Quarter) at EWU. After completing 102, they become eligible for proficiency placement credit. They may also elect to begin with 101 (Fall Quarter).

Students with **two years** of high school study should place themselves in a 103 section (Spring Quarter) at EWU. After completing 103 (and additional course work), they become eligible for proficiency placement credit. They may also elect to begin with 102 (Winter Quarter), but they must have a written waiver from the Department of Modern Languages and Literatures in order to receive credit if they begin with 101.

Students with **three years** of high school study should place themselves in a 201 section (Fall Quarter) at EWU. After completing 201 (and additional course work), they become eligible for proficiency placement credit. They may also elect to begin with 103 (Spring Quarter), but they must have a written waiver from the Department of Modern Languages and Literatures in order to receive credit if they begin with 102 or lower.

Students with **more than three years** of high school study should place themselves in a 201 section (Fall Quarter) at EWU. After completing 201 (and additional course work), they become eligible for proficiency placement credit. They must have a written waiver from the Department of Modern Languages and Literatures in order to receive credit if they begin with 103 or lower.

College/University Language Experience

Students who have prior university credit for language study may not repeat equivalent courses at EWU for additional credit. They should continue language study in sequence from the point they ended previous study.

Other Intermediate or Advanced Language Experience

Students who believe that they have attained intermediate or advanced knowledge in a language through previous experience may take the proficiency test offered by a program or otherwise consult the program faculty *before or at the time* of initial enrollment in language courses. (A separate set of guidelines deals with "Proficiency Placement Credit" at the second-year level.)

Initial Enrollment

When students enroll initially, they should follow the preceding guidelines. If they are in any doubt about appropriate placement, they should consult with their teachers during the first day or two of the quarter.

Students are welcome to consult with the chair of the department and/or with a language program faculty member in advance of enrollment. The Department of Modern Languages and Literatures is in Patterson Hall, Suite 350. The reception number of the department is (509) 359-2481. The phone numbers and e-mail addresses of the chair and program faculty are also available on the University's website.

Proficiency Placement Credit—Guidelines to explain the conditions under which students may receive placement credit for previous language study.

The Department of Modern Languages and Literatures offers proficiency placement credit to students who enter EWU with some prior training and knowledge of foreign languages at the first- and/or second-year levels.

First-Year Language Study

Students who through prior training or knowledge are able to skip 101, 102 and/or 103 classes in any foreign language may receive proficiency placement credit for these classes. To do this, they must complete an equivalent number of credit hours in the language program in question at appropriately higher course levels in the Department of Modern Languages and Literatures at EWU. The maximum proficiency placement credit for first-year study in one language is 15 credits.

Proficiency placement credit for first-year language study does not carry a grade and is not assigned a particular course number, but it does appear on the student's transcript and does count toward the student's 180 credit hour requirement for graduation.

Second-Year Language Study

Students who believe that they have attained intermediate or advanced knowledge in a language through previous experience may take the proficiency test offered by a program (or otherwise consult the program faculty for proficiency screening) to determine an appropriate placement. We emphasize that it is extremely important for students in this situation to consult with the program faculty *before or at the time* of initial enrollment in language courses.

Proficiency placement credit for second-year language study carries a grade of "PASS" (P) for 201, 202 and/or 203 and is awarded contingent

- (1) on passing the proficiency test or other proficiency screening by the program faculty *before or at the time* of initial enrollment in language courses and
- (2) on completing a minimum of 15 credits at the 200- and/or 400-level.

Students who receive a P credit for second-year language study are also eligible for proficiency credit for first-year language study.

A. P. Test Credit—Guidelines to explain how the department awards course credit for students who have scored from 3 to 5 in a given language on the College Board's Advanced Placement Test.

The Eastern Washington University Department of Modern Languages and Literatures has a proficiency placement policy under which students may receive credit for course work 'skipped' after completing an equivalent number of credits in residence at EWU (see current university catalog).

We also acknowledge the results of the College Board's Advanced Placement Test according to the following summary:

Students scoring

- 3 may receive credit for 201 (5 credits)
- 4 may receive credit for 201, 202 (10 credits)
- 5 may receive credit for 201, 202, 203 (15 credits)

in French, German, Japanese, Russian or Spanish with a grade of P when they matriculate at EWU.

General Degree Requirements for Modern Languages and Literatures:

Grade Requirement for majors and minors:

2.50 cumulative average

Policy on Spanish Upper-Division Core Courses: The Spanish Program has established a policy which applies to certain upper-division core courses. The program requires all students wishing to major or minor in Spanish at EWU to take SPAN 310, 311, 320 and 321, as well as GNML 390 on campus (to the extent that these courses are necessary part of any major or minor). Other upper-division courses may be taken at other universities, and transferred in with the consultation and approval of the Spanish faculty advisors and/or Spanish program director. [For extended periods of study (6–12 months) at a Hispanic University consult your advisor about possible exceptions to these core requirements.]

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)**French Major (45 credits)****Required Courses (27 credits)**

FREN 201 French Grammar and Composition (5)
 FREN 202 French Grammar and Composition (5)
 FREN 203 Introduction to Literature (5)
 FREN 310 Advanced Grammar and Composition (5)
 FREN 320 French Civilization and Culture I (4)
 or FREN 321 French Civilization and Culture II (4)
 FREN 330 French Literary Genres (3)

Select 9 credits from the following courses

FREN 410 French Stylistics (3)
 FREN 430 17th Century French Literature and Culture (3)
 FREN 431 18th Century French Literature and Culture (3)
 FREN 433 19th Century French Literature and Culture (3)
 FREN 440 20th Century French Literature and Culture (3)
 FREN 496/497 Workshops/Special Topics (2–4)

Electives

FREN 305 French Conversation (2)
 FREN 306 French Conversation (2)
 FREN 311 Grammar Review (2)
 FREN 320 French Civilization and Culture I (4)
 or FREN 321 French Civilization and Culture II (4)
 FREN 496/497 Workshops/Special Topics (2)

Required program credits 27 credits

Required select from the following credits 9 credits

Elective credits 9 credits

Total credits for above major 45 credits

Note: The above major requires the completion of a minor.

French Major (60 credits)**Required Courses**

SAME AS FOR 45 CREDIT MAJOR

Electives

Select courses above FREN 300

Required program credits 27 credits

Elective credits 33 credits

Total credits for above major 60 credits

Bachelor of Arts (BA)**Spanish Major (45 credits)****Required Courses**

SPAN 201 Second-Year Spanish (5)
 SPAN 202 Second-Year Spanish (5)
 SPAN 203 Introduction to Advanced Spanish (5)
 SPAN 310 Advanced Grammar and Composition (3)
 SPAN 311 Advanced Grammar and Composition (3)
 SPAN 320 Spanish Civilization (5)
 SPAN 321 Spanish-American Civilization and Culture (5)
 SPAN 338 Survey of Spanish Literature (3)
 or SPAN 339 Survey of Spanish-American Literature (3)

Electives

Select courses above SPAN 300 (except SPAN 370)

Required program credits 34 credits

Elective credits 11 credits

Total credits for above major 45 credits

Note: The above major requires the completion of a minor.

Spanish Major (60 credits)**Required Courses**

SAME AS FOR 45 CREDIT MAJOR

Electives

Select courses above SPAN 300 (except SPAN 370)

Required program credits 34 credits

Elective credits 26 credits

Total credits for above major 60 credits

Bachelor of Arts in Education (BAE)**French/Elementary or Secondary Major (49 credits)**

This major satisfies the endorsement for Preschool to grade 12.

Required Courses

FREN 201 French Grammar and Composition (5)
 FREN 202 French Grammar and Composition (5)
 FREN 203 Introduction to Literature (5)
 FREN 310 Advanced Grammar and Composition (5)
 FREN 320 French Civilization and Culture I (4)
 or FREN 321 French Civilization and Culture II (4)
 FREN 330 French Literary Genres (3)
 GNML 390 Foreign Language Methods (4)

Select 9 credits from the following courses:

FREN 410 French Stylistics (3)
 FREN 430 17th Century French Literature and Culture (3)
 FREN 431 18th Century French Literature and Culture (3)
 FREN 433 19th Century French Literature and Culture (3)
 FREN 440 20th Century French Literature and Culture (3)
 FREN 496/497 Workshops/Special Topics (2–4)

Electives

FREN 305 French Conversation (2)
 FREN 306 French Conversation (2)
 FREN 311 Grammar Review (2)
 FREN 320 French Civilization and Culture I (4)
 or FREN 321 French Civilization and Culture II (4)
 FREN 496/497 Workshops/Special Topics (2)

Required program credits 31 credits

Required select from the following credits 9 credits

Elective credits 9 credits

Total credits for above major 49 credits

**Professional Education Requirements/
Elementary Education: 102-103 credits**

or

Secondary Education: 46–47 credits

See the Department of Education section of this catalog. Prerequisites may also apply.

Minimum total credits for above major and elementary professional education 151 credits

Minimum total credits for above major and secondary professional education 95 credits

Note: Students who do not have sufficient high school language preparation to begin 201 will require more than 12 quarters to complete the BAE.

Note: Students who want to have a second endorsement in a minor field will required more than 12 quarters to complete the BAE.

Note: The above major requires the completion of a minor.

Bachelor of Arts in Education (BAE)**Spanish/Elementary or Secondary Major (49 credits)***This major satisfies the endorsement for Preschool to grade 12.***Required Courses**

SPAN 201 Second-Year Spanish (5)
 SPAN 202 Second-Year Spanish (5)
 SPAN 203 Introduction to Advanced Spanish (5)
 SPAN 310 Advanced Grammar and Composition (3)
 SPAN 311 Advanced Grammar and Composition (3)
 SPAN 320 Spanish Civilization (5)
 SPAN 321 Spanish-American Civilization and Culture (5)
 SPAN 338 Survey of Spanish Literature (3)
 or SPAN 339 Survey of Spanish-American Literature (3)
 GNML 390 Foreign Language Methods (4)

Electives*Select courses above SPAN 300 (except SPAN 370)***Required program credits****38 credits****Elective credits****11 credits****Total credits for above major****49 credits**

**Professional Education Requirements/
 Elementary Education: 102–103 credits**
 or

Secondary Education: 46–47 credits*See the Department of Education section of this catalog. Prerequisites may also apply.***Minimum total credits for above major and elementary professional education****151 credits****Minimum total credits for above major and secondary professional education****95 credits***Note: Students who do not have sufficient high school language preparation to begin 201 will require more than 12 quarters to complete the BAE.**Note: Students who want to have a second endorsement in a minor field will require more than 12 quarters to complete the BAE.**Note: The above major requires the completion of a minor.***Minors****French Minor (15 credits)****Required Courses**

FREN 201 French Grammar and Composition (5)
 FREN 202 French Grammar and Composition (5)
 FREN 203 Introduction to Literature (5)

Total credits for above minor**15 credits****French/Elementary or Secondary Minor (30 credits)***This minor satisfies the endorsement for Preschool to grade 12.***Required Courses**

FREN 201 French Grammar and Composition (5)
 FREN 202 French Grammar and Composition (5)
 FREN 203 Introduction to Literature (5)
 FREN 305 French Conversation (2)
 or FREN 306 French Conversation (2)
 FREN 310 Advanced Grammar and Composition (5)
 FREN 320 French Civilization and Culture I (4)
 or FREN 321 French Civilization and Culture II (4)
 GNML 390 Foreign Language Methods (4)

Total credits for above minor**30 credits****German Minor (17 credits)****Required Courses**

GERM 201 Second-Year German (5)
 GERM 202 Second-Year German (5)
 GERM 203 Second-Year German (5)

Electives*Select courses above GERM 300***Required program credits****15 credits****Elective credits****2 credits****Total credits for above minor****17 credits****German/Elementary or Secondary Minor (30–31 credits)***This minor satisfies the endorsement for Preschool to grade 12.***Required Courses**

GERM 201 Second-Year German (5)
 GERM 202 Second-Year German (5)
 GERM 203 Second-Year German (5)
 GNML 390 Foreign Language Methods (4)

Electives*Select two courses 5–6 credits from the following:*

GERM 305 German Conversation (2)
 GERM 310 Advanced Grammar and Composition (3)
 GERM 311 Advanced Grammar and Composition (3)

Select one 3 credit course from the following:

GERM 320 German Civilization and Culture (3)
 GERM 321 German Civilization and Culture (3)
 GERM 331 Contemporary Issues (3)

Select one 3 credit course from the following:

GERM 330 Selections of German Writings (3)
 GERM 430 18th Century German Literature (3)
 GERM 431 19th Century German Literature (3)
 GERM 432 20th Century German Literature (3)
 GERM 433 Contemporary Literature (3)
 GERM 434 Studies in German Writings (3)

Required program credits**19 credits****Elective credits****11–12 credits****Minimum total credits for above minor****30 credits****Japanese Minor (15 credits)****Required Courses**

JAPN 201 Second-Year Japanese (5)
 JAPN 202 Second-Year Japanese (5)
 JAPN 203 Second-Year Japanese (5)

Total credits for above minor**15 credits****Spanish Minor (17 credits)****Required Courses**

SPAN 201 Second-Year Spanish (5)
 SPAN 202 Second-Year Spanish (5)
 SPAN 203 Introduction to Advanced Spanish (5)

Electives*Select courses above SPAN 300 (except SPAN 370)***Required program credits****15 credits****Elective credits****2 credits****Total credits for above minor****17 credits****Spanish/Elementary or Secondary Minor (30 credits)***This minor satisfies the endorsement for Preschool to grade 12.***Required Courses**

SPAN 201 Second-Year Spanish (5)
 SPAN 202 Second-Year Spanish (5)
 SPAN 203 Introduction to Advanced Spanish (5)
 SPAN 310 Advanced Grammar and Composition (3)
 SPAN 311 Advanced Grammar and Composition (3)
 SPAN 320 Spanish Civilization (5)
 or SPAN 321 Spanish American Civilization and Culture (5)
 GNML 390 Foreign Language Methods (4)

Total credits for above minor**30 credits**

GRADUATE PROGRAM**Master of Education**

Margaret Heady, Program Advisor
354K Patterson Hall
(509) 359-2861

The Master of Education in Modern Languages allows students to specialize in French only. Individual programs are planned with an appropriate advisor from the Modern Languages Department. This specialization is offered principally for secondary foreign language teachers.

Students must follow all of the requirements for the Master of Education.

Common Credit Requirements

EDUC 520 Methods of Educational Research
or alternate as designated (4)
Psychological Foundations of Education:
CEDP 515, 518 or 519 (4)
Historical, Philosophical and Social Foundations of Education:
EDUC 502, 503, 505, 506 or 507, any two (8)
Course work in French, 400–500 level (Selected with the approval of the French advisor)

Approved electives

Common requirement credits	16 credits
French 400–500 level credits	24 credits
Elective credits	8 credits
Total credits for above master's degree	48 credits

Chinese Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

CHIN 101, 102, 103**First-Year Chinese I, II, III (5 each)**

Prerequisite for CHIN 102: CHIN 101 or equivalent; for CHIN 103: CHIN 102 or equivalent.

The beginning Chinese sequence of courses, covering grammar, composition, conversation and discussion of cultural topics.

French Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

FREN 101, 102, 103**First-Year French I, II, III (5 each)**

FALL(101)/WINTER(102)/SPRING(103)

Prerequisite for FREN 102: FREN 101 or equivalent; for FREN 103: FREN 102 or equivalent.

Grammar, composition, conversation and discussion of cultural topics.

FREN 170**Introduction to Literature [In English] (5)**

[satisfies the GEQR for humanities and fine arts, list 1, literature.]

No knowledge of French required.

Examines the literary expression of the human experience, analyzing the highlights of French literature in English translation for an understanding of the traditional genres as well as the evolution of ideas and values.

FREN 201**French Grammar and Composition (5)**

FALL

Prerequisite: First-year French or equivalent.

A review of basic French grammar and intensive practice of basic French composition.

FREN 202**French Grammar and Composition (5)**

WINTER

Prerequisite: FREN 201 or equivalent.

A review of basic French grammar and intensive practice of basic French composition.

FREN 203**Introduction to Literature (5)**

SPRING

Prerequisite: FREN 202 or equivalent.

Reading integral texts of intermediate difficulty and writing compositions based on these texts.

FREN 299**Special Studies (1–5)**

Prerequisite: Permission of the instructor.

Subjects vary according to faculty and student interest.

FREN 305, 306**French Conversation (2 each)**

Prerequisite: FREN 201 or permission of the instructor.

Concentrated drill in French conversation, discussing such subjects as the culture, civilization and current events of France.

FREN 310**Advanced Grammar and Composition (5)**

FALL

Prerequisite: FREN 203 or permission of the instructor.

FREN 311**Grammar Review (2)**

WINTER

Prerequisite: FREN 203 or permission of the instructor.

An advanced French course stressing the review of grammar in such practical applications as writing and translation.

FREN 320**French Civilization and Culture I (4)**

WINTER

Prerequisite: FREN 203 or permission of the instructor.

Political, social, intellectual and artistic development of French culture from the beginning through 1789, the French Revolution.

FREN 321**French Civilization and Culture II (4)**

SPRING

Prerequisite: FREN 203 or permission of the instructor.

Political, social, intellectual and artistic development of French culture from the French Revolution of 1789 to the present.

FREN 330**French Literary Genres (3)**

SPRING

Prerequisite: FREN 203.

Reading and discussion of selections in French prose, drama and poetry. Content varies; course may be repeated.

FREN 397**Workshop, Short Courses, or Conferences (1–5)****FREN 398****Seminar (1–5)**

Prerequisite: FREN 203 or permission of the instructor.

FREN 399**Directed Study (1–5)**

Prerequisites: Permission of the instructor and the department chairman.

FREN 410**French Stylistics (3)**

Prerequisite: FREN 203 or permission of the instructor.

Developing proficiency in writing and in reading comprehension through the study of a variety of stylistics models.

FREN 415**Phonetics and Applied Linguistics (5)**

Prerequisite: FREN 203 or permission of the instructor.

Theory and practice of French pronunciation, with drills on phonetic transcription of conversational materials and literary texts. Special attention to the application of linguistics to the teaching of French.

FREN 430**17th Century French Literature and Culture (3)**

Prerequisite: FREN 203 or permission of the instructor.

A survey of the major movements and the outstanding writers of the Classical Period in the context of their society.

FREN 431**18th Century French Literature and Culture (3)**

Prerequisite: FREN 203 or permission of the instructor.

A survey of the major movements and the outstanding writers of the Age of Reason in the context of their society.

FREN 433**19th Century French Literature and Culture (3)**

Prerequisite: FREN 203 or permission of the instructor.

A survey of the major movements and the outstanding writers of the 19th century in the context of their society.

FREN 440**20th Century French Literature and Culture (3)**

Prerequisite: FREN 203 or permission of the instructor.

A survey of the major movements and the outstanding writers from the turn of the century to the present in the context of their society.

FREN 496**Experimental Courses (1–5)****FREN 497****Workshops, Short Courses, Conferences (1–5)****FREN 498****Seminar (1–5)****FREN 499****Directed Study (1–5)**

Prerequisites: Permission of the instructor and the department chairman.

FREN 525**French Cultural Traditions (5)**

An investigation of the significant aspects of French Civilization since the beginning until and including Contemporary France. Since the course content varies according to the period covered, the course may be repeated for credit.

FREN 530**French Literary Studies (5)**

The study of a period, a literary movement, or a particular author. Since the course content varies, the course may be repeated for credit.

FREN 539**Seminar on Special Topics (1-5)****FREN 596****Experimental Course (1-5)****FREN 597****Workshops (5)**

Note: Workshop credit cannot be used to fulfill graduate degree requirements.

FREN 598**Seminar (1-5)****FREN 599****Independent Study (1-5)****FREN 696****College Teaching Internship (1-5)**

Teaching a lower-division college course under supervision of a regular faculty member. Includes course planning, arranging bibliographical and instructional aids, conferences with students, experience in classroom instruction and student course evaluation.

General Modern Languages Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

GNML 212**Modern World Masterpieces [In English] (5)**
[satisfies the GECR for humanities and fine arts, list 1, literature.]

Literary works selected from 19th and 20th century world literature which illustrate themes and ideas central to modern Western culture, especially emphasizing the role of the individual in modern society.

GNML 299**Special Studies (1-5)**

Prerequisites: Permission of the instructor and the department chairman.

GNML 301, 302, 303**Junior Year Abroad (6-15)**

Prerequisites: Completion of second year of chosen language and permission of the instructor and the department chairman.

Students are expected to carry a full course load in a recognized university and take the examinations given by that institution. For particulars, see department chair.

GNML 390**Foreign Language Methods (4)**

FALL

Prerequisites: Completion of second year of a foreign language, 2.00 GPA, junior standing or permission of the instructor, pass comprehensive exam.

A survey of modern practices in the teaching of foreign languages.

German Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

GERM 101, 102, 103**First-Year German I, II, III (5 each)**

FALL(101)/WINTER(102)/SPRING(103)

Prerequisite for GERM 102: GERM 101 or equivalent; for GERM 103: GERM 102 or equivalent.

The beginning German sequence of courses, covering grammar, composition, conversation and discussion of cultural topics.

GERM 170**Introduction to Literature [In English] (5)**

[satisfies the GECR for humanities and fine arts, list 1, literature.]

No knowledge of German required.

Explores, on the basis of selected German works in English translation, how literature, as a special mode of language usage, reflects human experience; emphasizes the formal aspects of the major categories of literature: poetry, prose and drama.

GERM 201, 202, 203**Second-Year German (5 each)**

FALL(201)/WINTER(202)/SPRING(203)

Prerequisite for GERM 201: First-Year German or equivalent; for GERM 202: GERM 201 or equivalent; for GERM 203: GERM 202 or equivalent.

Intensive oral exercises and conversation, written exercises and composition, readings of intermediate difficulty.

GERM 205**German Folk Song and Dance (1)**

Graded Pass/No Credit.

Prerequisite: GERM 101 or high school equivalent.

Introduces the folk culture of German-speaking cultural regions through traditional songs and/or dances.

GERM 299**Special Studies (1-5)**

Prerequisites: Permission of the instructor and the department chairman.

Subjects vary according to faculty and student interest.

GERM 305**German Conversation (2)**

SPRING

Prerequisite: GERM 201 or permission of the instructor. Concentrated drill in German conversation, discussing such subjects as the culture, civilization and current events of the German-speaking countries.

GERM 310, 311**Advanced Grammar and Composition (3 each)**

FALL(310)/WINTER(311)

Prerequisite for GERM 310: GERM 203 or permission of the instructor; for GERM 311: GERM 310 or permission of the instructor.

Advanced review of grammar, vocabulary building, extensive practice in writing, readings of intermediate/advanced level.

GERM 320, 321**German Civilization and Culture (3 each)**

Prerequisite: GERM 203 or permission of the instructor.

An examination of political, social, intellectual and artistic development of German culture from the beginnings to the present day.

GERM 330**Selections of German Writings (3)**

Prerequisite: GERM 203 or permission of the instructor.

Surveys various aspects of German writings, such as great themes in German literature, popular literature, essays and biographical writings.

GERM 331**Contemporary Issues (3)**

Prerequisite: GERM 203 or permission of the instructor.

Examines major issues in contemporary German-speaking regions. Sample topics: school reform, women's issues, environmental problems, peace movement, foreign workers, reunification, etc.

GERM 381**Nationalism and Racism in Central European Film (4)**

[satisfies international studies university graduation requirement.]

Prerequisite: GERM 203.

This course provides the basic elements of film analysis and examines the depiction of national socialism, racism and the legacy of the Nazi past in German-speaking films by German and other Central European directors from the 1970s to the present. Evaluating criteria will differ depending on whether the course is taken for German or humanities credit. (Cross-listed HUMN 381)

GERM 382**20th-Century Germany, From World Wars to Cold War. Culture, Political Conflict and National Identity (5)**

Offered every other year.

[satisfies international studies university graduation requirement.]

Prerequisite: ENGL 201 or permission of the instructor.

This interdisciplinary course introduces students to central problems in German history and culture, from the end of World War I to the end of the Cold War. Topics addressed include: the impact of World War I on German National Identity; Avant-garde culture in the Weimar Republic; the rise of Fascism and daily life in Nazi Germany; the Holocaust; cultural and political divides between East and West Germany. GERM 383, "Readings/Discussion of 20th-Century Germany" - 1 credit, is a companion course for German language students. (Cross-listed HIST 382)

GERM 383**Readings/Discussion of 20th Century Germany (1)**

Discussion course for German students enrolled in HIST/GERM 382.

Prerequisite: GERM 203.

Readings in German include memoirs, autobiographical texts, poems and short stories that focus on the history, culture and life experiences of Germans from 1918-1900s.

GERM 397**Workshop, Short Courses, or Conferences (1-5)****GERM 398****Seminar (1-5)**

Prerequisite: GERM 203 or permission of the instructor.

GERM 399**Directed Study (1-5)**

Prerequisites: Permission of the instructor and the department chairman.

GERM 415**Phonetics and Applied Linguistics (2)**

Prerequisite: GERM 203 or permission of the instructor.

Theory and practice of German pronunciation with drills on phonetic transcription of conversational materials and literary texts. Special attention to the application of linguistics to the teaching of German.

GERM 430**18th Century German Literature (3)**

Prerequisite: GERM 203 or permission of the instructor.

A survey of the major movements and outstanding writers of the Enlightenment, the Storm and Stress and the Classical Period in the context of their society.

GERM 431**19th Century German Literature (3)**

Prerequisite: GERM 203 or permission of the instructor.
A survey of the major movements and outstanding writers of Romanticism, Realism and/or other movements in the context of their society.

GERM 432**20th Century German Literature (3)**

Prerequisite: GERM 203 or permission of the instructor.
A survey of the major movements and outstanding writers from the turn of the century to 1945 in the context of their society.

GERM 433**Contemporary Literature (3)**

Prerequisite: GERM 203 or permission of the instructor.
A survey of the major movements and outstanding writers of the period after 1945 in the context of their society.

GERM 434**Studies in German Writings (3)**

Prerequisite: GERM 203 or permission of the instructor.
Focus on a specific aspect of German letters and literature, for example, biographies, memoirs and correspondence, popular literature, a particular writer or genre. Content varies; course may be repeated.

GERM 497**Workshops, Short Courses, Conferences (1-5)****GERM 498****Seminar (1-5)****GERM 499****Directed Study (1-5)**

Prerequisites: Permission of the instructor and the department chairman.

Japanese Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

JAPN 101, 102, 103**First-Year Japanese I, II, III (5 each)**

FALL(101)/WINTER(102)/SPRING(103)

Prerequisite for JAPN 102: JAPN 101 or equivalent; for JAPN 103: JAPN 102 or equivalent.

The beginning Japanese sequence of courses, covering grammar, composition, conversation and discussion of cultural topics.

JAPN 201, 202, 203**Second-Year Japanese (5 each)**

FALL(201)/WINTER(202)/SPRING(203)

Prerequisite for JAPN 201: First-Year Japanese or equivalent; for JAPN 202: JAPN 201 or equivalent; for 203: JAPN 202 or equivalent.

The intermediate Japanese sequences of courses. Continued progress in conversational skill and study of Kanji. Reading of Japanese texts.

JAPN 305**Japanese Conversation (2)**

Prerequisite: JAPN 201 or permission of the instructor.
Concentrated drill in Japanese conversation discussing such subjects as the culture, civilization and current events of Japan.

JAPN 331, 332**Contemporary Issues I and II (2 each)**

Prerequisite: JAPN 203 or instructor's permission.
Examines and discusses major contemporary issues in Japan. Topics include housing conditions, marriage and women's social progress, the aging society, education, Japanese-style management, etc.

JAPN 380**Japan Today (4)**

[satisfies international studies university graduation requirement.]

Prerequisite: ENGL 201 or instructor permission.
A broad survey of contemporary Japan including society, culture, geography, government and economy. No knowledge of Japanese language required. (Cross-listed INST 380)

Russian Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

RUSS 101, 102, 103**First-Year Russian I, II, III (5 each)**

FALL(101)/WINTER(102)/SPRING(103)

Prerequisite for RUSS 102: RUSS 101 or equivalent; for RUSS 103: RUSS 102 or equivalent.

The beginning Russian sequence of courses, covering grammar, composition, reading of simple texts and conversation.

RUSS 170**Introduction to Literature [In English] (5)**
[satisfies the GEGR for humanities and fine arts, list 1, literature.]

No knowledge of Russian required.
Examines, on the basis of selected Russian works in English translation, literary approaches to human experience, including the short story, novel, poetry and drama.

RUSS 201, 202, 203**Second-Year Russian I, II, III (5 each)**

CURRENTLY UNAVAILABLE

Prerequisite for RUSS 201: First-Year Russian or equivalent; for RUSS 202: RUSS 201 or equivalent; for RUSS 203: RUSS 202 or equivalent.

Continued progress in conversational skill and study in grammar. Reading in Russian literature at intermediate level.

Spanish Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

SPAN 101, 102, 103**First-Year Spanish I, II, III (5 each)**

FALL(101)/WINTER(102)/SPRING(103)

Prerequisite for SPAN 102: SPAN 101 or equivalent; for SPAN 103: SPAN 102 or equivalent.

The beginning Spanish sequence of courses, covering grammar, composition, conversation and discussion of cultural topics.

SPAN 170**Introduction to Literature [In English] (5)**
[satisfies the GEGR for humanities and fine arts, list 1, literature.]

No knowledge of Spanish is required.
Examines, on the basis of selected Spanish works in English translation, literary approaches to human experience, including the short story, novel, poetry and drama; emphasizes the elements of literature with supporting discussion of ideas, attitudes, problems and values.

SPAN 201, 202**Second-Year Spanish (5 each)**

FALL(201)/WINTER(202)

Prerequisite for SPAN 201: First-Year Spanish or equivalent; for SPAN 202: SPAN 201 or equivalent.

Intensive oral work to develop fluency, written composition and reading of medium difficulty from Spanish literature.

SPAN 203**Introduction to Advanced Spanish (5)**

SPRING

Prerequisite: SPAN 202 or equivalent.
Grammar review and intensive oral work to develop fluency, written composition and reading of medium difficulty from Spanish literature.

SPAN 260**Spain in America (4)**

No knowledge of Spanish needed.
A study of the governmental, ecclesiastical and cultural experience of areas of the United States as they were created and evolved for 300 years under Spain and Mexico.

SPAN 299**Special Studies (1-5)**

Prerequisites: Permission of the instructor and the department chairman.
Subjects vary according to faculty and student interest.

SPAN 305**Spanish Conversation (2)**

Prerequisite: SPAN 201 or permission of the instructor.
Concentrated drill in Spanish conversation, discussing such subjects as the culture, civilization and current events of Spain and Latin America.

SPAN 310, 311**Advanced Grammar and Composition (3 each)**

FALL(310)/WINTER(311)

Prerequisite: SPAN 203 or permission of the instructor.

SPAN 312**Spanish for Heritage Speakers (5)**

Prerequisites: Being a "heritage speaker"¹; take an advanced placement test.
A grammar course oriented to Spanish heritage speakers. The course will concentrate on specific linguistic problems of the Hispanic population.

SPAN 320**Spanish Civilization (5)**

Prerequisite: SPAN 203 or permission of the instructor.
Political, social, intellectual and artistic development of Spanish culture from the beginnings to the present day.

SPAN 321**Spanish American Civilization and Culture (5)**

Prerequisite: SPAN 203 or permission of the instructor.
Political, social, intellectual and artistic development of Spanish American culture with emphasis on Spanish America today.

SPAN 330, 331**Spain and Spanish America Through News Media (3 each)**

Prerequisite: SPAN 310 or permission of the instructor.
Contemporary Spain and/or Spanish America through newspapers, magazines and such other media as radio, sound recordings, film and videotape.

SPAN 338**Survey of Spanish Literature (3)**

Prerequisite: SPAN 310 or permission of the instructor.
Major works of literature from the Middle Ages to the present.

SPAN 339**Survey of Spanish American Literature (3)**

Prerequisite: SPAN 310 or permission of the instructor.
Major works of literature from the period of the Colonies to the present.

SPAN 340**Introduction to Spanish Linguistics (3)**

Prerequisite: SPAN 310 and 311.

This course offers an introduction to the scientific study of Spanish. It will consist in an overview of descriptive linguistics: syntax, phonetics, semantics, sociolinguistics and some aspects of the history of the Spanish language. This class will also provide an exposure to the main issues in the area of language in contact and will examine a variety of Spanish dialects spoken in the United States.

SPAN 397**Workshop, Short Courses or Conferences (1-5)****SPAN 398****Seminar (1-5)**

Prerequisite: SPAN 310 or permission of the instructor.

SPAN 399**Directed Study (1-5)**

Prerequisites: Permission of the instructor and the department chairman.

SPAN 430, 431**16th and 17th Century Spanish Literature and Culture (3 each)**

Prerequisite: SPAN 310 or permission of the instructor.

A survey of the major movements and the outstanding writers of the Golden Age of Spanish literature.

SPAN 440**Spanish Narrative Prose (3)**

Prerequisite: SPAN 310 or permission of the instructor.

Significant novels and/or short stories within a designated thematic or period framework. Content varies; course may be repeated.

SPAN 450**Spanish Drama (3)**

Course may be repeated.

Prerequisite: SPAN 310 or permission of the instructor. Significant dramas within a designated thematic or period framework. Content varies.

SPAN 460**Spanish Poetry (3)**

Course may be repeated. Prerequisite: SPAN 310 or permission of the instructor.

Selected poems within a designated thematic or period framework. Content varies.

SPAN 470**Spanish American Literature: Colonial Through Modernism (3)**

Prerequisite: SPAN 310 or permission of the instructor.

Surveys the evolution of a literary voice in Spanish America. The native works, the colonial chroniclers and authors, through the Modernists.

SPAN 471**20th Century Spanish American Novel (3)**

Prerequisite: SPAN 310 or permission of the instructor.

Significant novels of Spanish America. Content varies; course may be repeated.

SPAN 472**20th Century Spanish American Poetry and Drama (3)**

Prerequisite: SPAN 310 or permission of the instructor.

Selected poems and plays of modern Spanish America. Content varies; course may be repeated.

SPAN 473**Political and Philosophical Thought in Spain (3)**

Prerequisite: SPAN 310 or permission of the instructor.

Readings and discussion of some of the most significant works by writers and thinkers in Spain.

SPAN 474**Political and Philosophical Thought in Spanish America (3)**

Prerequisite: SPAN 310 or permission of the instructor.

Readings and discussion of some of the most significant works by writers and thinkers in Spanish America.

SPAN 475**Women's Writing in Latin America (4)**

Prerequisites: SPAN 310 or equivalent and SPAN 321 or HIST 365.

This course offers an introduction to women's writing in Latin America, focusing on narrative productions of the 20th century. We will discuss issues such as feminine representation and identity, women's perspective and subjectivity through the reading and analysis of contemporary texts by Latin American Women. (Cross-listed WMST 475)

SPAN 491**Spanish Senior Thesis (4)**

[satisfies senior capstone university graduation requirement.]

Prerequisites: SPAN 310, 311, 320 and 321 and at least one literature elective.

A course oriented toward the general research of cultural and literary aspects of the Hispanic world. Each student will select a topic at the beginning of the quarter from a number of topics suggested by the instructor. Discussion, critique and analysis of the cultural and literary topics selected by the student will configure the body of the thesis. Selected bibliography will be recommended by the instructor.

SPAN 497**Workshops, Short Courses, Conferences (1-5)****SPAN 498****Seminar (1-5)****SPAN 499****Directed Study (1-5)**

Prerequisites: SPAN 310 or permission of the instructor and the department chairman.

(¹The term "heritage" speaker is used to refer to a student who is raised in a home where Spanish language is spoken, who speaks or merely understands the heritage language, and who is to some degree bilingual in English and the heritage language, Spanish.)



MUSIC

College of Arts and Letters

Patrick Winters, Chair

119 Music Building

(509) 359-6129

BA, BAE, BM

Minors

MA

Faculty: K. Baldwin, P. Blankenship, B. Bodden, T. DelGiudice, K. Feeney, L. Feller-Marshall, E. Foster, J. Graves, L. Honn, J. Marshall, D. Matern, D. McCollim, J. Middleton, T. Molter, S. Mortier, M. Nakabara, K. Noble, D. Otto, C. Peterson, A. Plamondon, K. Plewniak, K. Ploeger, M. Rosenker, R. Tapper, R. Wagner, S. Windbam, P. Winters

UNDERGRADUATE PROGRAMS

The Department of Music is committed to students who seek careers in music as well as to providing music instruction and experience for the general university student. Four degrees with a total of seven options are offered for students who wish to become performers, composers, conductors, theorists, teachers or scholars. Four music minors are also available. *Music in the Humanities* (MUSC 212) is open to all students and can be counted toward the General Education Core Requirements (GECRs). Opportunities also exist for private instruction in voice and instruments, as well as participation in musical ensembles—chorus, band, orchestra, opera, workshops and music theatre. Numerous public concerts and recitals are presented throughout the school year by faculty and students of the Department of Music.

The goal of the department is to provide students with musical instruction and experience of the highest possible quality. Our belief is that the study of music significantly enables students to become informed, responsible and appreciative members of a democratic society—which is a professed goal of Eastern. We recognize differing needs of those for whom music is to become a profession and those for whom it will be an avocation or a listener's art.

Facilities: Music students enjoy modern facilities featuring a piano laboratory with 22 units, 32 practice rooms, electronic music laboratory, a technically-enhanced classroom and an extensive collection of recordings, scores and music reference materials located in the JFK Library. In addition, the department houses music classrooms, two large rehearsal rooms (vocal and instrumental) and a 250-seat capacity recital hall. The renovated Showalter Hall serves as an additional performance venue.

Opportunities (Scholarships): The Department of Music has scholarships available to incoming freshmen as well as upper classmen. For information on audition dates and scholarship details, phone (509) 359-2241 or visit our website at www.ewu.edu/music.

Employment Outlook or Placement: Our students have fared well in receiving employment following graduation. Students receive employment in music education, music businesses and performing groups (bands, symphonies, jazz/rock, etc.) as well as individual performances. Though the placement record of graduates of the Department of Music is excellent, employment is not guaranteed just because one receives a degree in music.

Undergraduate Degrees: The Bachelor of Music degree is intended for students planning professional careers as performers or composers. Students entering this major are required to have a high level of competence in their chosen performance area. The Bachelor of Arts in Music is recommended for students planning for music education, general studies in music or graduate studies in music history and literature.

Performance Concentrations: euphonium, bassoon, clarinet, flute, French horn, oboe, percussion, piano, saxophone, string bass, trombone, trumpet, tuba, viola, violin, cello, harp and voice.

Accreditation Information: The Department of Music is accredited by the National Association of Schools of Music. The department has been continuously accredited since 1963.

High School and Transfer Student Information: High school students considering a major in music should have a competent level of performance on an instrument or voice. Acceptance to the department is determined by audition. Participation in the school bands, orchestras or choirs is encouraged. Students enrolling as music majors should contact the Department of Music office for advising. This refers to both entering freshmen and transfer students.

Admission Requirements for Transfer Students: Students transferring from community colleges should refer to the EWU Community College Transfer Handbook available in your advising office. All transfers should have enrolled in a major ensemble (band, orchestra or choir) every term of attendance. In addition, you should have taken music lessons in your major performance area. Each transfer student will be administered a theory placement exam before classes begin. In some instances students may be required to repeat some theory classes in order to assure success in the music program upper division classes. In addition, transfer students are required to pass a Piano Proficiency Exam or register for piano class (MUSC 120). Transfer students may transfer a maximum of 90 credits.

Major Ensemble Requirement: All students seeking a major in music are required to participate in a major music ensemble appropriate to their principle area of performance each quarter of their university career except during the quarter of student teaching for Music Education majors. Major music ensembles, course numbers and credits are: MUSC 331 *Band* (2) MUSC 336 *Concert Choir* (1) MUSC 332 *Orchestra* (2) and MUSC 333 *Symphonic Choir* (2). Music Education majors are required to participate for one quarter in a major ensemble outside their principle area of performance.

Instruction Requirements and Information for Instrument or Voice: All students pursuing a major in music are expected to study their primary instrument or voice each quarter in residence with a resident instructor (except during student teaching). Every student who is registered for an applied lesson must be concurrently registered for a major ensemble. At the end of each quarter students in applied lessons will perform in front of a jury panel made of all the area faculty members. Students seeking upper level applied instruction must audition for a jury panel and be accepted by that panel.

All students must audition for acceptance to the department. Students registered for courses with multiple sections (piano and voice) should contact the instructors prior to pre-registration for correct assignments.

Students registered for individual instruction in applied music may be required to attend lessons or performances of other students or groups. Recital appearances, arranged by the instructor, may be required of students studying applied music. Recital attendance is required of music students for every quarter except during student teaching for Music Education majors.

Recital Attendance Policy: Music Majors are required to attend fifty departmentally approved recitals and convocations each year they are in attendance. Weekly convocation attendance is required of all music majors. Music education minors must attend a total of 50 recitals/convocations prior to graduation.

Minimum Grade Standards: The minimum acceptable grade for any music course required for graduation in all majors offered by the Music Department is 2.8. This standard also applies to courses transferred from other institutions.

Piano Proficiency Exam: Students must pass a Piano Proficiency Exam as a prerequisite to MUSC 202. Exams are usually taken at the conclusion of the third quarter of MUSC 122. All incoming Freshman and Transfer students must take a Piano Placement exam prior to registration. Students may be placed in MUSC 126 in order to complete the Piano Proficiency requirements depending on the level. Piano Proficiency Requirements are available outside the piano office room 131.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)**Music Major with Liberal Arts Option (93 credits)**

A major in music history and literature is designed for students who intend to enter college teaching, music librarianship, music journalism, music publishing and some branches of the recording industry. This course of study presupposes that the student will have a strong background in musical performance. This is a program designed for the study of music within a liberal arts curriculum. As with all music degrees, students must complete the Convocation/Recital Attendance requirements.

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses

MUSC 101 Music Theory I (3)
 MUSC 102 Music Theory II (3)
 MUSC 103 Music Theory III (3)
 MUSC 104 Sight Singing and Aural Skills I (1)
 MUSC 105 Sight Singing and Aural Skills II (1)
 MUSC 106 Sight Singing and Aural Skills III (1)
 MUSC 120 Piano Class I and II for Music Majors (2)
 Piano Proficiency (0)
 MUSC 201 Music Theory IV (3)
 MUSC 202 Music Theory V (3)
 MUSC 203 Music Theory VI (3)
 MUSC 204 Sight Singing and Aural Skills IV (1)
 MUSC 205 Sight Singing and Aural Skills V (1)
 MUSC 250 Music History and Literature I (3)
 MUSC 251 Music History and Literature II (3)
 MUSC 252 Music History and Literature III (3)
 MUSC 310 Basic Conducting Skills (2)
 MUSC 356 History of Jazz (3)
 MUSC 491 Senior Thesis/Capstone (4)

Applied Music Requirements for a minimum of 12 credits:

MUSC 108, 208, 308, 408 Instruction on Instrument or Voice

Music Ensembles Requirements for a minimum of 24 credits:

MUSC 331 Band (2)
 MUSC 332 Orchestra (2)
 MUSC 333 Symphonic Choir (2)
 Music Electives at the 300 and 400 level (14)

Music Electives at the 300 and 400 level for a minimum 14 credits

Required program credits	43 credits
Required applied music credits	12 credits
Required music ensemble credits	24 credits
Elective credits	14 credits
Total credits for above major	93 credits

Bachelor of Arts in Education (BAE)**Music: Instrumental, Choral, General/Elementary or Secondary Major (65–69 credits)**

Elementary music majors should enroll in Education 300, Introduction to Classroom Experience (1–4), in the fall quarter prior to student teaching. See music education advisor for details. Music clearance must be obtained by departmental interview prior to admission to Education 420, Admission to Professional Candidacy (2). This major satisfies the endorsement for Preschool to grade 12. As with all music degrees, students must complete the Convocation/Recital Attendance requirements.

Required Courses

MUSC 101 Music Theory I (3)
 MUSC 102 Music Theory II (3)
 MUSC 103 Music Theory III (3)
 MUSC 104 Sight Singing and Aural Skills I (1)
 MUSC 105 Sight Singing and Aural Skills II (1)
 MUSC 106 Sight Singing and Aural Skills III (1)
 MUSC 120 and 121 Piano Class I and II for Music Majors (2)
 Piano Proficiency (0)
 MUSC 130 Voice Class (1)
 MUSC 201 Music Theory IV (3)
 MUSC 202 Music Theory V (3)
 MUSC 203 Music Theory VI (3)
 MUSC 204 Sight Singing and Aural Skills IV (1)
 MUSC 205 Sight Singing and Aural Skills V (1)
 MUSC 244 Computers in the Music Classroom (2)
 MUSC 250 Music History and Literature I (3)

MUSC 251 Music History and Literature II (3)
 MUSC 252 Music History and Literature III (3)
 MUSC 310 Basic Conducting Skills (2)
 MUSC 312 Advanced Conducting Skills (2)
 MUSC 356 History of Jazz (3)
 MUSC 441 Music Methods For the Elementary Music Specialist (3)
 MUSC 445 Choral Methods and Materials in the Secondary School (2)
 MUSC 446 Instrumental Methods and Materials (Band and Orchestra) (2)
 MUSC 447 Jazz Ensemble Methods and Materials (2)
 MUSC 470 Senior Recital (1–5)
 MUSC 491 Senior Thesis (4)

Select courses from the following for a total of 7 credits:

MUSC 382 Stringed Instrument Techniques (2)
 MUSC 383 Woodwind Instrument Techniques (3)
 MUSC 384 Brass Instrument Techniques (1)
 MUSC 385 Percussion Instrument Techniques (1)

Applied Music Requirements for a minimum of 12 credits:

MUSC 108, 208, 308, 408

Music Ensemble Requirements for a minimum of 24 credits:

MUSC 331 Band
 MUSC 332 Orchestra
 MUSC 333 Symphonic Choir

(String, wind and percussion majors in music education shall participate in one quarter of a major vocal ensemble. Vocal and piano majors in music education shall participate in one quarter of a major instrumental ensemble.)

Required program credits	65–69 credits
Required applied music credits	12 credits
Required ensemble credits	24 credits
Minimum total credits for above major	100 credits

Professional Education Requirements/Elementary Education: 99–100 credits

[Normally, this requirement is 102–103 credits; however, this major already carries one professional education course for Elementary Education: Music 441 Music Methods for the Elementary Music Specialist (3).]

or

Secondary Education: 46–47 credits

See the Department of Education section of this catalog. Prerequisites may apply.

Minimum total credits for above major and elementary professional education	199 credits
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Minimum total credits for above major and secondary professional education	146 credits
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Students in this program are excused from major ensemble participation during the quarter of student teaching.

Note: The above option requires more than 12 quarters to complete at 15–16 credits per quarter.

Bachelor of Music (BM)

In programs leading to the Bachelor of Music, the department seeks to provide thoroughly professional training, in addition to the requirements set for the liberally educated student. Options under this degree include majors in performance, theory and composition. This course of study presupposes that the student will have a strong background in musical performance. As with all music degrees, students must complete the Convocation/Recital Attendance requirements.

Music Major with Instrumental Performance Option (99–103 credits)**Required Courses**

MUSC 101 Music Theory I (3)
 MUSC 102 Music Theory II (3)
 MUSC 103 Music Theory III (3)
 MUSC 104 Sight Singing and Aural Skills I (1)
 MUSC 105 Sight Singing and Aural Skills II (1)
 MUSC 106 Sight Singing and Aural Skills III (1)
 MUSC 120 and 121 Piano Class I and II for Music Majors (2)
 Piano Proficiency (0)
 MUSC 201 Music Theory IV (3)
 MUSC 202 Music Theory V (3)
 MUSC 203 Music Theory VI (3)
 MUSC 204 Sight Singing and Aural Skills IV (1)
 MUSC 205 Sight Singing and Aural Skills V (1)
 MUSC 250 Music History and Literature I (3)
 MUSC 251 Music History and Literature II (3)
 MUSC 252 Music History and Literature III (3)
 MUSC 310 Basic Conducting Skills (2)

MUSC 312 Advanced Conducting Skills (2)
 MUSC 356 History of Jazz (3)
 MUSC 470 Senior Recital (1–5)
 MUSC 491 Senior Thesis (4)

Select one of the following courses applicable to the student's major instrument:

MUSC 462 String Pedagogy (3)
 MUSC 463 Woodwind Pedagogy (3)
 MUSC 464 Brass Pedagogy (3)
 MUSC 468 Percussion Pedagogy (3)

Applied Music Requirements for a minimum of 24 credits:
 MUSC 140, 240, 340, 440

Major Music Ensemble Requirements for a minimum of 24 credits:

MUSC 331 Band
 MUSC 332 Orchestra
 MUSC 333 Symphonic Choir

Minor Music Ensemble Requirements for a minimum of 2 credits:

MUSC 335 Music Ensemble: Instrumental Admission to Performance Major (1)
 Admission to Performance Major (0)
 Junior Recital (0)

Required program credits	46–50 credits
Required pedagogy credits	3 credits
Required applied music credits	24 credits
Major ensemble credits	24 credits
Minor ensemble credits	2 credits
Minimum total credits for above major	99–103 credits

Music Major with Music Composition Option (93–101 credits)

A program with a liberal arts orientation designed to prepare students for teaching at the college level, the composition and presentation of concert music, careers in film scoring and theater/dance work. This course of study presupposes that the student will have a strong background in musical performance.

Entry into this degree program is by departmental interview and with the consent of the head of composition studies. As with all music degrees, students must complete the Convocation/Recital Attendance requirements.

Required Courses

MUSC 101 Music Theory I (3)
 MUSC 102 Music Theory II (3)
 MUSC 103 Music Theory III (3)
 MUSC 104 Sight Singing and Aural Skills I (1)
 MUSC 105 Sight Singing and Aural Skills II (1)
 MUSC 106 Sight Singing and Aural Skills III (1)
 MUSC 120 and 121 Piano Class I and II for Music Majors (2)
 Piano Proficiency (0)
 MUSC 201 Music Theory IV (3)
 MUSC 202 Music Theory V (3)
 MUSC 203 Music Theory VI (3)
 MUSC 204 Sight Singing and Aural Skills IV (1)
 MUSC 205 Sight Singing and Aural Skills V (1)
 MUSC 209 Compositional Techniques (2)
 MUSC 250 Music History and Literature I (3)
 MUSC 251 Music History and Literature II (3)
 MUSC 252 Music History and Literature III (3)
 MUSC 305 Counterpoint (2)
 MUSC 310 Basic Conducting Skills (2)
 MUSC 401 Advanced Analysis (2)
 MUSC 409 Composition (1–5)
 MUSC 470 Senior Recital (1–5)
 MUSC 491 Senior Thesis (4)

Applied Music Requirements for a minimum of 12 credits:
 MUSC 108, 208, 308, 408 Instruction on Instrument or Voice

Major Music Ensemble Requirements for a minimum of 24 credits:

MUSC 331 Band
 MUSC 332 Orchestra
 MUSC 333 Symphonic Choir

Music electives at the 300 or 400 level for a total of 9 credits

Required program credits	48–56 credits
Required applied music credits	12 credits
Required music ensemble credits	24 credits
Elective credits	9 credits
Minimum total credits for above major	93 credits

Music Major with Piano Performance Option (105–109 credits)

As with all music degrees, students must complete the Convocation/Recital Attendance requirements.

Required Courses

MUSC 101 Music Theory I (3)
 MUSC 102 Music Theory II (3)
 MUSC 103 Music Theory III (3)
 MUSC 104 Sight Singing and Aural Skills I (1)
 MUSC 105 Sight Singing and Aural Skills II (1)
 MUSC 106 Sight Singing and Aural Skills III (1)
 MUSC 201 Music Theory IV (3)
 MUSC 202 Music Theory V (3)
 MUSC 203 Music Theory VI (3)
 MUSC 204 Sight Singing and Aural Skills IV (1)
 MUSC 205 Sight Singing and Aural Skills V (1)
 MUSC 250 Music History and Literature I (3)
 MUSC 251 Music History and Literature II (3)
 MUSC 252 Music History and Literature III (3)
 MUSC 341 Advanced Functional Keyboard (2)
 MUSC 356 History of Jazz (3)
 MUSC 458 Piano Pedagogy I (2)
 MUSC 459 Piano Pedagogy II (2)
 MUSC 460 Piano Pedagogy III (2)
 MUSC 467 Accompanying (3)
 MUSC 470 Senior Recital (1–5)
 MUSC 480 Keyboard Literature I (2)
 MUSC 481 Keyboard Literature II (2)
 MUSC 482 Keyboard Literature III (2)
 MUSC 491 Senior Thesis (4)
 Admission to Performance Major (0)
 Junior Recital (0)

Applied Music Requirements for a minimum of 24 credits:

MUSC 140, 240, 340, 440

Major Music Ensemble Requirements for a minimum of 24 credits or if a year of Piano Ensemble (335) is substituted for a year of a Major ensemble a minimum of 21 credits:

MUSC 331 Band
 MUSC 332 Orchestra
 MUSC 333 Symphonic Choir

Required program credits	57–61 credits
Required applied music credits	24 credits
Required music ensemble credits	24 credits
Minimum credits for above major	105 credits

Music Major with Vocal Performance Option (121–125 credits)

As with all music degrees, students must complete the Convocation/Recital Attendance requirements.

Required Courses

MUSC 101 Music Theory I (3)
 MUSC 102 Music Theory II (3)
 MUSC 103 Music Theory III (3)
 MUSC 104 Sight Singing and Aural Skills I (1)
 MUSC 105 Sight Singing and Aural Skills II (1)
 MUSC 106 Sight Singing and Aural Skills III (1)
 MUSC 120 and 121 Piano Class I and II (2)
 Piano Proficiency (0)
 MUSC 201 Music Theory IV (3)
 MUSC 202 Music Theory V (3)
 MUSC 203 Music Theory VI (3)
 MUSC 204 Sight Singing and Aural Skills IV (1)
 MUSC 205 Sight Singing and Aural Skills V (1)
 MUSC 250 Music History and Literature I (3)
 MUSC 251 Music History and Literature II (3)
 MUSC 252 Music History and Literature III (3)
 MUSC 310 Basic Conducting Skills (2)
 MUSC 312 Advanced Conducting Skills (2)
 MUSC 356 History of Jazz (3)
 MUSC 461 Vocal Pedagogy (3)
 MUSC 470 Senior Recital (1–5)
 MUSC 491 Senior Thesis (4)
 Language Courses for 20 credits:
 10 credits of French courses
 10 credits of German courses
 Admission to Performance Major (0)
 Junior Recital (0)

Applied Music Requirements for a minimum of 24 credits:

MUSC 140, 240, 340, 440

Major Music Ensemble Requirements for a minimum of 24 credits:MUSC 331 Band
MUSC 332 Orchestra
MUSC 333 Symphonic Choir**Minor Music Ensemble Requirements for a minimum of 4 credits:**

MUSC 336 Music Ensemble: Vocal

Required program credits	49–53 credits
Required applied language credits	20 credits
Required applied music credits	24 credits
Required music ensemble credits	24 credits
Required minor music ensemble credits	4 credits
Minimum credits for above major	121 credits

Note: The above option requires more than 12 quarters to complete at 15–16 credits per quarter.

Minors**Music Minor (16 credits)****Required Courses**MUSC 101 Music Theory I (3)
MUSC 102 Music Theory II (3)
MUSC 104 Sight Singing and Aural Skills I (1)
MUSC 105 Sight Singing and Aural Skills II (1)
MUSC 212 Music in The Humanities (5)***Electives**

Select in consultation with department advisor.

Required program credits	13 credits
Elective credits	3 credits
Total credits for above minor	16 credits

**Note: MUSC 212 also counts as a GEGR.*

Music: Broad Area Elementary/Secondary Minor (44 credits)

This minor satisfies the endorsement for Preschool to grade 12. As with all music degrees, students must complete the Convocation/Recital Attendance requirements.

Required CoursesMUSC 101 Music Theory I (3)
MUSC 102 Music Theory II (3)
MUSC 103 Music Theory III (3)
MUSC 104 Sight Singing and Aural Skills I (1)
MUSC 105 Sight Singing and Aural Skills II (1)
MUSC 106 Sight Singing and Aural Skills III (1)
MUSC 120 and 121 Piano Class I and II for Music Majors (2)
or MUSC 208 Piano (1) (taken twice)
Piano Proficiency (0)
MUSC 130 Voice Class (1)
or MUSC 208 Voice (1)
MUSC 212 Music in the Humanities (5)
MUSC 310 Basic Conducting Skills (2)
MUSC 312 Advanced Conducting Skills (2)
MUSC 356 History of Jazz (3)
MUSC 441 Music Methods For the Elementary Music Specialist (3)
MUSC 445 Choral Methods and Materials in the Secondary School (2)
MUSC 446 Instrumental Methods and Materials (2)**Instrumental Techniques for a minimum of 4 credits:**MUSC 382 Stringed Instrument Techniques (1)
MUSC 383 Woodwind Instrument Techniques (1)
MUSC 384 Brass Instrument Techniques (1)
MUSC 385 Percussion Instrument Techniques (1)**Major Music Ensemble Requirements for a minimum of 6 credits:**MUSC 331 Band (2)
MUSC 332 Orchestra (2)
MUSC 333 Symphonic Choir (2)

Required program credits	34 credits
Required instrumental techniques credits	4 credits
Required music ensemble credits	6 credits
Minimum total credits for above minor	44 credits

Music: Choral Music Elementary/Secondary Minor (34 credits)

This minor satisfies the endorsement for Preschool to grade 12. As with all music degrees, students must complete the Convocation/Recital Attendance requirements.

Required CoursesMUSC 101 Music Theory I (3)
MUSC 102 Music Theory II (3)
MUSC 103 Music Theory III (3)
MUSC 104 Sight Singing and Aural Skills I (1)
MUSC 105 Sight Singing and Aural Skills II (1)
MUSC 106 Sight Singing and Aural Skills III (1)
MUSC 120 and 121 Piano Class I and II for Music Majors (2)
or MUSC 208 Instruction on Instrument or Voice (Piano) (1) (taken twice)
Piano Proficiency (0)
MUSC 130 Voice Class (1)
or MUSC 208 Voice (1)
MUSC 212 Music in the Humanities (5)
MUSC 310 Basic Conducting Skills (2)
MUSC 312 Advanced Conducting Skills (2)
MUSC 333 Symphonic Choir (2)
or MUSC 336 Music Ensemble (Vocal) (1) (taken twice)
MUSC 356 History of Jazz (3)
MUSC 441 Music Methods For the Elementary Music Specialist (3)
MUSC 445 Choral Methods and Materials in the Secondary School (2)

Total credits for above minor **34 credits**

Music: Instrumental Music Elementary/Secondary Minor (36 credits)

This minor satisfies the endorsement for Preschool to grade 12. As with all music degrees, students must complete the Convocation/Recital Attendance requirements.

Required CoursesMUSC 101 Music Theory I (3)
MUSC 102 Music Theory II (3)
MUSC 103 Music Theory III (3)
MUSC 104 Sight Singing and Aural Skills I (1)
MUSC 105 Sight Singing and Aural Skills II (1)
MUSC 106 Sight Singing and Aural Skills III (1)
MUSC 120 and 121 Piano Class I and II for Music Majors (2)
or MUSC 208 Instruction on Instrument or Voice (Piano) (1) (taken twice)
Piano Proficiency (0)
MUSC 212 Music in the Humanities (5)
MUSC 310 Basic Conducting Skills (2)
MUSC 312 Advanced Conducting Skills (2)
MUSC 331 Band (2)
or MUSC 332 Orchestra (2)
or MUSC 335 Music Ensemble: Instrumental (1) (taken twice)
MUSC 356 History of Jazz (3)
MUSC 441 Music Methods For the Elementary Music Specialist (3)
MUSC 446 Instrumental Methods and Materials (2)**Instrumental Techniques for a minimum of 3 credits:**MUSC 382 Stringed Instrument Techniques (1)
MUSC 383 Woodwind Instrument Techniques (1)
MUSC 384 Brass Instrument Techniques (1)
MUSC 385 Percussion Instrument Techniques (1)

Required program credits	33 credits
Required instrumental techniques credits	3 credits
Total credits for above minor	36 credits

GRADUATE PROGRAM**Master of Arts in Music**Jody Graves, Program Director
231 Music Building
(509) 359-6119**Areas of Concentration**Composition
General (Non-Specific)
Music Education
Performance (Instrumental/Vocal)

Students intending to pursue the master of arts degree in music should hold an appropriate baccalaureate degree from an accredited institution. All applicants will be required to take the GRE General Test and be admitted based on a general test score before registration in graduate-level music courses. Students applying for the performance emphasis will also take a personal audition, or submit an unedited tape of their performance. Students

who are interested in teaching careers, performance careers and business careers in music can design a program to suit their needs. The degree is also designed to prepare the student for further graduate study.

Admission Requirements/Preparation

Progress toward the degree will follow the information found in the front of this catalog "Summary Guide to Policies and Procedures."

Composition Emphasis

Required Core

MUSC 520 Research Techniques and Bibliography in Music (3)
 Music History from the following¹: 12 credits
 MUSC 551 Music of the Medieval Era (3)
 MUSC 552 Music of the Renaissance Era (3)
 MUSC 553 Music of the Baroque Period (3)
 MUSC 554 Music of the Classical Period (3)
 MUSC 555 Music of the Romantic Period (3)
 MUSC 556 Music of the 20th Century¹ (3)
 Music Theory/Composition: 5 credits
 MUSC 560 Historical Analysis of Musical Structure (3)
 MUSC 561 Counterpoint Music (2)
 MUSC 510 Advanced Conducting (3)
 Three Quarters of Applied Instruction (MUSC 529 or 530) (3)
 Three Quarters of Graduate Ensemble Participation (3)
 MUSC 600 Thesis, MUSC 601 Graduate Recital
 or MUSC 550 Advanced Studies in Music Education (5)

Requirements for Composition Emphasis

MUSC 568 Advanced Compositional Techniques (2 credits per quarter) (12)
 Composition elective chosen from the following: 3 credits
 MUSC 562 Topics in Theory (3)
 MUSC 565 Advanced Orchestration (3)
 MUSC 569 Topics in Advanced Arranging (3)
 MUSC 570 Electronic Music (3)
 MUSC 696 College Teaching Internship (5)
 Approved Electives (11)

Required core credits

34 credits

Required composition credits

26 credits

Total credits for above master's degree

60 credits

All master's students must pass an oral examination.

General (Non-Specific)

Required Core

MUSC 520 Research Techniques and Bibliography in Music (3)
 Music History from the following: 12 credits
 MUSC 551 Music of the Medieval Era (3)
 MUSC 552 Music of the Renaissance Era (3)
 MUSC 553 Music of the Baroque Period (3)
 MUSC 554 Music of the Classical Period (3)
 MUSC 555 Music of the Romantic Period (3)
 MUSC 556 Music of the 20th Century (3)
 Music Theory/Composition: 5 credits
 MUSC 560 Historical Analysis of Musical Structure (3)
 MUSC 561 Counterpoint Music (2)
 MUSC 510 Advanced Conducting (3)
 Three Quarters of Applied Instruction (MUSC 529 or 530) (3)
 Three Quarters of Graduate Ensemble Participation (3)
 MUSC 600 Thesis, MUSC 601 Graduate Recital
 or MUSC 550 Advanced Studies in Music Education (5)

Requirements for General (Non-Specific) Emphasis

Electives in Music (16)
 Electives in Supportive Areas (music or non-music) to be determined in consultations among the student, the student's area advisor(s) and the graduate program advisor. (10)

Required core credits

34 credits

Required general (non-specific) credits

26 credits

Total credits for above master's degree

60 credits

All master's students must pass an Oral Examination.

Music Education Emphasis

Required Core

MUSC 520 Research Techniques and Bibliography in Music (3)
 Music History from the following: 12 credits
 MUSC 551 Music of the Medieval Era (3)
 MUSC 552 Music of the Renaissance Era (3)
 MUSC 553 Music of the Baroque Period (3)
 MUSC 554 Music of the Classical Period (3)
 MUSC 555 Music of the Romantic Period (3)
 MUSC 556 Music of the 20th Century (3)

Music Theory/Composition: 5 credits

MUSC 560 Historical Analysis of Musical Structure (3)
 MUSC 561 Counterpoint Music (2)
 MUSC 510 Advanced Conducting (3)
 Three Quarters of Applied Instruction (MUSC 529 or 530) (3)
 Three Quarters of Graduate Ensemble Participation (3)
 MUSC 600 Thesis, MUSC 601 Graduate Recital
 or MUSC 550 Advanced Studies in Music Education (5)

Requirements for Music Education Emphasis

Music Education from the following: 6 credits
 MUSC 531 Problems in Applied Music Instruction (1)
 MUSC 532 Problems in Ensemble Music Instruction (1)
 MUSC 546 Materials and Problems in the School Music Program:
 Choral (3)
 MUSC 547 Materials and Problems in the School Music Program:
 Instrumental (3)
 MUSC 599 Independent Study in Music Education
 or approved electives (15)
 MUSC 696 College Teaching Internship (5)

Required core credits

34 credits

Required music education credits

26 credits

Total credits for above master's degree

60 credits

All master's students must pass an Oral Examination.

Performance Emphasis (Instrumental/Vocal)

Required Core

MUSC 520 Research Techniques and Bibliography in Music (3)
 Music History from the following: 12 credits
 MUSC 551 Music of the Medieval Era (3)
 MUSC 552 Music of the Renaissance Era (3)
 MUSC 553 Music of the Baroque Period (3)
 MUSC 554 Music of the Classical Period (3)
 MUSC 555 Music of the Romantic Period (3)
 MUSC 556 Music of the 20th Century (3)
 Music Theory/Composition: 5 credits
 MUSC 560 Historical Analysis of Musical Structure (3)
 MUSC 561 Counterpoint Music (2)
 MUSC 510 Advanced Conducting (3)
 Three Quarters of Applied Instruction (MUSC 529 or 530) (3)
 Three Quarters of Graduate Ensemble Participation (3)
 MUSC 600 Thesis, MUSC 601 Graduate Recital or MUSC 550 Advanced
 Studies in Music Education (5)

Requirements for Performance Emphasis

Three Additional Quarters of Graduate Ensemble Participation (3)
 MUSC 530 Instruction on Instrument or Voice* (7)
 MUSC 460, 461, 462, 463, or 464 Vocal
 or Instrumental Pedagogy (3)
 Language Diction Proficiency (voice majors only) (0)
 Approved Electives (13)
 Students in the Performance Emphasis must take MUSC 530 (2 credits) each
 quarter for five quarters (for a total of 10 credits) and MUSC 601 Graduate
 Recital in their last quarter.

Required core credits

34 credits

Required performance credits

26 credits

Total credits for above master's degree

60 credits

All master's students must pass an Oral Examination.

¹Students in the Composition Emphasis must take MUSC 556 Music of the 20th Century as one of their Music History courses.

²Students in the Composition Emphasis must take at least three quarters of piano.

Final Comprehensive Examination

Before scheduling of the final oral exam, all graduate students must pass a diagnostic music history and theory exam administered by the music faculty. All master's degrees in music require an oral comprehensive exam covering salient matters in the candidate's course work and the candidate's internship, thesis, performance, or other applicable research or performance project(s). The exam will be administered by a committee chaired by the candidate's advisor as assigned by the Music Department and including another music faculty representative and an outside faculty representative assigned by the Graduate Office.

Music Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

Note: All Music courses will have a course fee.

MUSC 100

Introduction to Piano and Music Theory (3)

FALL

This course includes basic musical skills, including notation, scales, key signatures, chords, intervals and keyboard experience.

MUSC 101

Music Theory I (3)

FALL

Prerequisites: Concurrent enrollment in MUSC 104; students in this class are required to be declared music majors.

This course involves study of basic theory devoted to notation, scales, intervals, keys and elementary harmony. Music minors and non-music majors/minors require permission of the department chair.

MUSC 102

Music Theory II (3)

WINTER

Prerequisites: MUSC 101; concurrent enrollment in MUSC 105 is required. Students in this class are required to be declared music majors.

This course is the study of harmonic practice and part writing. It involves treatment of major and minor seventh chords and melodic construction. Music minors and non-music majors/minors require permission of the department chair.

MUSC 103

Music Theory III (3)

SPRING

Prerequisites: MUSC 102; concurrent enrollment in MUSC 106 is required. Students in this class are required to be declared music majors.

This course emphasizes analysis, modulation, non-dominant and secondary dominant seventh chords as used in American popular song and American jazz forms. Music minors and non-music majors/minors require permission of the department chair.

MUSC 104

Sight Singing and Aural Skills I (1)

FALL

Prerequisites: Concurrent enrollment in MUSC 101. Students in this class are required to be declared music majors.

This course involves singing of materials emphasizing stepwise melodic motion and triadic motion and the study of basic rhythms. Ear training will help students identify intervals and scale forms. Music minors and non-music majors/minors require permission of the department chair.

MUSC 105

Sight Singing and Aural Skills II (1)

WINTER

Prerequisites: MUSC 104; concurrent enrollment in MUSC 102. Students in this class are required to be declared music majors.

This course introduces C clefs, compound meter and advanced rhythms. Dictation includes error detection as well as melodic dictation. Music minors and non-music majors/minors require permission of the department chair.

MUSC 106

Sight Singing and Aural Skills III (1)

SPRING

Prerequisites: MUSC 105; concurrent enrollment in MUSC 103. Students in this class are required to be declared music majors.

This course consists of modulation exercises and introduction of sequentials. Error detection and harmonic dictation will be emphasized. Music minors and non-music majors/minors require permission of the department chair.

MUSC 108

Instruction on Instrument or Voice (1)

FALL/WINTER/SPRING

This course is designed to provide students with basic to advanced vocal skills and a knowledge of the assigned repertoire from a musical, linguistic and performance viewpoint. Students without previous credit in applied music must audition to be accepted into applied study. Every student who is registered for applied music must be registered for a major ensemble. This course is intended for all freshman except those majoring in Music Performance.

MUSC 117, 118, 119

Piano Class I, II and III - Beginners/Non Majors (1)

FALL/WINTER/SPRING

Prerequisites: MUSC 117 for 118; MUSC 118 for 119.

These classes will consist of basic theory, simple harmonization, improvisation, sight-reading, chord recognition and fundamental jazz/blues. These classes are for non-music majors only.

MUSC 120, 121, 122

Piano Class I, II, III for Music Majors (1)

Prerequisites: MUSC 120 for 121; MUSC 121 for 122.

These classes will consist of: harmonization, improvisation, score-reading, sight-reading, repertoire, accompanying skills, technique, scales and chords. These classes are for music majors only.

MUSC 126

Honors Keyboard (1)

FALL

Prerequisite: Permission of the instructor.

Accelerated offering of the material covered in MUSC 120. Covers all components of the Piano Proficiency Exam.

MUSC 130

Voice Class (1)

FALL/WINTER/SPRING

This course provides instruction in vocal performance. All students without previous credit in applied vocal music at the university level should register for this course. This course may be repeated until the student reaches the proficiency level necessary for advanced instruction.

MUSC 140

Applied Instruction on Instrument or Voice (1)

FALL/WINTER/SPRING

This course prepares students for professional music performance. Only declared freshmen music performance majors should register for this course. Students registered for courses with multiple sections (piano, instrument and voice) should contact the instructor prior to pre-registration for correct assignments. **Concurrent enrollment in a major ensemble is required.**

MUSC 201

Music Theory IV (3)

FALL

Prerequisites: MUSC 103; concurrent enrollment in MUSC 204. Students in this class are required to be declared music majors.

This course emphasizes contrapuntal techniques, variation techniques and study of chromatic and color harmonies. Music minors and non-music majors/minors require permission of the department chair.

MUSC 202

Music Theory V (3)

WINTER

Prerequisites: MUSC 201; concurrent enrollment in 205; Piano Proficiency Exam clearance.

This is the study of advanced harmonic practice including altered dominants and chromatic mediants. It will also include study of large forms emphasizing various forms of rondo.

MUSC 203

Music Theory VI (3)

SPRING

Prerequisite: MUSC 202.

This course acquaints students with late 19th and 20th century compositional and formal techniques and devices.

MUSC 204

Sight Singing and Aural Skills IV (1)

FALL

Prerequisites: MUSC 106; concurrent enrollment in MUSC 201.

This course emphasizes rhythmic and melodic complexity including chromaticism, modulation and dictation of comparable material.

MUSC 205

Sight Singing and Aural Skills V (1)

WINTER

Prerequisites: MUSC 204; concurrent enrollment in MUSC 202; Piano Proficiency Exam clearance.

This course emphasizes unusual modulation, scales and time signatures.

MUSC 208

Instruction on Instrument or Voice (1)

FALL/WINTER/SPRING

This course is designed to provide students with basic to advanced vocal skills and a knowledge of the assigned repertoire from a musical, linguistic and performance viewpoint. Students without previous credit in applied music must audition to be accepted into applied study. Every student who is registered for applied music must be registered for a major ensemble. This course is intended for all sophomores except those majoring in Music Performance.

MUSC 209

Compositional Techniques (2)

FALL

Prerequisites: MUSC 204; Piano Proficiency Exam clearance.

This course is the practical study of the techniques and devices of composition in the various primary forms.

MUSC 212

Music in the Humanities (5)

FALL/WINTER/SPRING

[satisfies the GEGR for humanities and fine arts, list 2, fine arts.]

This course is a survey with primary focus on Western classical music in terms of humanistic development with emphasis on musical style and structure and relations with the other arts. (Cross-listed HUMN 212)

MUSC 230**Guitar and Music Fundamentals (3)**

SPRING

Fundamentals of music, including notation, scales, key signatures, chords, intervals, experience with use of guitar.

MUSC 240**Applied Instruction on Instrument or Voice (2)**

FALL/WINTER/SPRING

This course is designed to provide students with basic to advanced vocal skills, and a knowledge of the assigned repertoire from a musical, linguistic and performance viewpoint. Only declared sophomore music performance majors should register for this course. Students registered for courses with multiple sections (piano, instrument and voice) should contact the instructor prior to registration for correct assignments. Concurrent enrollment in a major ensemble is required.

MUSC 244**Computers in the Music Classroom (2)**

FALL

Prerequisites: Computer Literacy II clearance, Piano Proficiency Exam clearance.

This course is a practical study of computer software and hardware appropriate for use in the music classroom.

MUSC 250**Music History and Literature I (3)**

FALL

Prerequisite: MUSC 103.

Detailed study and analysis of music in Western civilization from its origin to modern times. The fall quarter covers antiquity through the Renaissance.

MUSC 251**Music History and Literature II (3)**

WINTER

Prerequisites: MUSC 103, 250.

Detailed study and analysis of music in Western civilization from the origin to modern times. Music 251 includes the Baroque and Classical periods.

MUSC 252**Music History and Literature III (3)**

SPRING

Prerequisites: MUSC 103, 251.

A detailed study and analysis of the music in Western Civilization from 1800 to the present.

MUSC 276**Jazz Improvisation (1)**

Prerequisites: MUSC 103 and/or consent of the instructor. Provides music majors with the materials, techniques and concepts needed for the purpose of developing jazz improvisational skills.

MUSC 305**Counterpoint (2)**

Prerequisites: MUSC 101, 102, 104.

Study and application of contrapuntal techniques in 2 and 3 voices.

MUSC 308**Instruction on Instrument or Voice (1)**

FALL/WINTER/SPRING

This course provides students with basic to advanced vocal skills and a knowledge of the assigned repertoire from a musical, linguistic and performance viewpoint. Students without previous credit in applied music must audition to be accepted into applied study. Every student who is registered for applied music must be registered for a major ensemble. This course is intended for all juniors except those majoring in Music Performance.

MUSC 310**Basic Conducting Skills (2)**

FALL

Prerequisite: MUSC 103.

This course is the study of fundamental conducting techniques including score study and rehearsal techniques.

MUSC 312**Advanced Conducting Skills (2)**

WINTER

Prerequisite: MUSC 310.

Students in this course learn to apply conducting and rehearsal techniques to choral and performance groups.

MUSC 331**Band (2)**

FALL/WINTER/SPRING

MUSC 332**Orchestra (2)**

FALL/WINTER/SPRING

MUSC 333**Symphonic Choir (2)**

FALL/WINTER/SPRING

MUSC 334**Music Theatre (2)****MUSC 335****Music Ensemble: Instrumental (1)**

FALL/WINTER/SPRING

MUSC 336**Music Ensemble: Vocal (1)**

FALL/WINTER/SPRING

MUSC 337**Contemporary Music Ensemble (3)**

FALL/WINTER/SPRING

Prerequisite: Permission of the instructor.

This ensemble provides students the opportunity to explore music of the 20th and 21st Centuries. Music will be chosen from the standard repertoire of the 20th century as well as music of the avant-garde and recent music. Faculty occasionally join students in ensembles.

MUSC 338**Orchestral Repertoire for Strings (1)**

FALL/WINTER/SPRING

Prerequisite: MUSC 203.

An intensive study of the standard orchestra repertoire. Students will use score analysis and use of recordings to aid in their preparation.

MUSC 340**Applied Instruction on Instrument or Voice (2)**

OFFERED ALTERNATE YEARS

This course provides students with basic to advanced vocal skills and a knowledge of the assigned repertoire from a musical, linguistic and performance viewpoint. Only declared junior music performance majors should register for this course. Students registered for courses with multiple sections (piano, instrument and voice) should contact the instructor prior to registration for correct assignments. Concurrent enrollment in a major ensemble is required.

MUSC 341**Advanced Functional Keyboard (2)**

Prerequisite: Junior or Senior standing.

This course is an advanced study of the techniques of harmonization, transposition, score reading, sight reading and improvisation.

MUSC 356**History of Jazz (3)**

SPRING

Investigates the cultural, historical and musical elements of jazz music, including non-western influences and crossover musics.

MUSC 382**Stringed Instrument Techniques (1)**

FALL/WINTER

May be repeated for 2 credits. Prerequisite: Music major or permission of the instructor.

Elementary instruction in string techniques.

MUSC 383**Woodwind Instrument Techniques (1)**

FALL/WINTER/SPRING

May be repeated for 3 credits. Prerequisite: Music major or permission of the instructor.

Elementary instruction in woodwind techniques.

MUSC 384**Brass Instrument Techniques (1)**

SPRING

Prerequisite: Music major or permission of the instructor.

Elementary instruction in brass techniques.

MUSC 385**Percussion Instrument Techniques (1)**

WINTER

Prerequisite: Music major or permission of the instructor.

Elementary instruction in percussion techniques.

MUSC 390**Music Methods for Elementary Classroom Teachers (3)**

FALL/WINTER/SPRING/SUMMER

Music majors and minors should substitute MUSC 441. Prerequisite: Junior standing.

Development of musical understanding as well as teaching materials and techniques to integrate musical skills in elementary classroom instruction.

MUSC 399**Special Studies (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: Permission of the instructor.

Subjects studied vary according to faculty and student interest.

MUSC 401**Advanced Analysis (2)**

Course may be repeated for credit. Prerequisite: MUSC 203.

Stylistic and technical analysis of musical works from the baroque, classical, romantic and impressionistic periods.

MUSC 402**Analysis of 20th Century Music (3)**

May be repeated for credit. Prerequisite: MUSC 203.

Stylistic and technical analysis of musical works of the 20th century.

MUSC 404**Band Arranging (3)**

Prerequisites: MUSC 204 and consent of the instructor.

Instruments of the band with practical application to the art of band scoring. Original work and transcriptions.

MUSC 405**Orchestration (3)**

Prerequisites: MUSC 204 and consent of the instructor.

Practical study of the art of symphonic scoring. Original work and transcriptions.

MUSC 406**Choral Arranging (3)**

Prerequisites: MUSC 204 and consent of the instructor.
Practical study of the art of choral scoring applied to various vocal groupings.

MUSC 408**Instruction on Instrument or Voice (1)**

FALL/WINTER/SPRING

This course provides students with basic to advanced vocal skills and a knowledge of the assigned repertoire from a musical, linguistic and performance viewpoint. Students without previous credit in applied music must audition to be accepted into applied study. Every student who is registered for applied music must be registered for a major ensemble. This course is intended for all seniors except those majoring in Music Performance.

MUSC 409**Composition (1-5)**

FALL/WINTER/SPRING

May be repeated.
Prerequisite: MUSC 209.
Organization of musical ideas into logical forms.
Application to works for piano, voice and instruments.

MUSC 440**Applied Instruction on Instrument or Voice (2)**

This course provides students with basic to advanced vocal skills and a knowledge of the assigned repertoire from a music, linguistic and performance viewpoint. Only declared senior music performance majors should register for this course. Students registered for courses with multiple sections (piano, instrument and voice) should contact the instructor prior to registration for correct assignments. Concurrent enrollment in a major ensemble is required.

MUSC 441**Music Methods for the Elementary Music Specialist (3)**

WINTER

Prerequisites: Junior, music major or minor and CEDP 302.
Methods and materials for teaching a complete music program in the first six grades.

MUSC 445**Choral Methods and Materials in the Secondary School (2)**

SPRING

Prerequisites: MUSC 130, 310.
The course helps students develop a sequential choral program in the secondary schools.

MUSC 446**Instrumental Methods and Materials (2)**

SPRING

Prerequisite: MUSC 310.
This course is designed to impart the skills and knowledge to design and direct instructional experience for bands and orchestra in the secondary schools.

MUSC 447**Jazz Ensemble Methods and Materials (2)**

WINTER

Prerequisite: MUSC 203.
Designed to impart the skills and knowledge to design and conduct instructional experiences for the stage band or jazz ensemble. This course includes specific techniques and materials on improvisation.

MUSC 451**Music of the Medieval Era (3)**

Prerequisites: MUSC 203 and 252.

This course will focus on the evolution of the main currents of musical thought and their manifestations in the music of the medieval era. A portion of the course will be devoted to developing an awareness of early notation and performance practice.

MUSC 452**Music of the Renaissance Era (3)**

Prerequisites: MUSC 203 and 252.

This course will focus on the evolution of the main currents of musical thought and their manifestations in the music of the Renaissance Era. A portion of the course will be devoted to developing an awareness of early notation and performance practice.

MUSC 453**Music of the Baroque Period (3)**

Prerequisite: Permission of the instructor.

Intensive study of the music literature of the Baroque Period. Emphasizes library research.

MUSC 454**Music of the Classical Period (3)**

Prerequisite: Permission of the instructor.

Intensive study of the music literature of the Classical Period. Emphasizes library research.

MUSC 455**Music of the Romantic Period (3)**

Prerequisite: Permission of the instructor.

Intensive study of the music literature of the Romantic Period. Emphasizes library research.

MUSC 456**Music of the 20th Century (3)**

Prerequisite: Permission of the instructor.

Intensive study of the music literature of the 20th century period. Emphasizes library research.

MUSC 458**Piano Pedagogy I (2)**

FALL

Prerequisites: Junior or senior standing, permission of the instructor.
Methods and materials for teaching all levels of piano in the private studio and group class setting.

MUSC 459**Piano Pedagogy II (2)**

WINTER

Prerequisites: Junior or senior standing, permission of the instructor or MUSC 458.
Methods and materials for teaching all levels of piano in the private studio and group class setting.

MUSC 460**Piano Pedagogy III (2)**

SPRING

Prerequisites: Junior or senior standing or permission of the instructor or MUSC 459.
Methods and materials for teaching all levels of piano in the private studio and group class setting.

MUSC 461**Vocal Pedagogy (3)**

SPRING

Prerequisites: Senior standing and permission of the instructor.
Preparation for teaching individual and class voice in the studio.

MUSC 462**String Pedagogy (3)**

WINTER

Prerequisites: Senior standing and permission of the instructor.
Preparation for teaching individual or class lessons in string instruments.

MUSC 463**Woodwind Pedagogy (3)**

WINTER

Prerequisites: Senior standing and permission of the instructor.
Preparation for teaching individual or class lessons in woodwind instruments.

MUSC 464**Brass Pedagogy (3)**

WINTER

Prerequisites: Senior standing and permission of the instructor.
Preparation for teaching individual or class lessons in brass instruments.

MUSC 467**Accompanying (3)**

FALL/WINTER/SPRING

Prerequisite: Permission of the instructor.
Vocal and instrumental literature, analyzing accompanist's problems.

MUSC 468**Percussion Pedagogy (3)**

WINTER

Prerequisites: Senior standing and permission of the instructor.
Preparation for teaching individual and class percussion in the studio.

MUSC 470**Senior Recital (1-5)**

FALL/WINTER/SPRING

Prerequisite: Permission of the instructor.

MUSC 480**Keyboard Literature I (2)**

FALL

Prerequisite: Junior or senior standing or permission of the instructor.
A study of keyboard literature from pre-Baroque through Classical Periods.

MUSC 481**Keyboard Literature II (2)**

Prerequisites: Junior or senior standing or permission of the instructor or MUSC 480.

A study of keyboard literature from late Classical through the Romantic Period.

MUSC 482**Keyboard Literature III (2)**

Prerequisites: Junior or senior standing or permission of the instructor or MUSC 481.

A study of keyboard literature from the late Romantic Period through the 20th century.

MUSC 491**Music Senior Thesis (4)**

FALL/WINTER/SPRING

[satisfies senior capstone university graduation requirement.]

Prerequisite: Concurrent enrollment in MUSC 470.
Students demonstrate that they have learned how to apply their intellectual and research skills to a relevant music project. Students perform, write or arrange music in a public arena. Possible options might include conducting an appropriate project within the music education community. This thesis project/recital serves as a bias for their professional lives as either performing artists, music educators, composers or music scholars.

MUSC 496**Experimental Course in Music (1-5)**

FALL/WINTER/SPRING/SUMMER

MUSC 497**Workshops, Short Courses, Conferences (1-5)**

FALL/WINTER/SPRING/SUMMER

MUSC 498**Seminar (1-5)**

FALL/WINTER/SPRING/SUMMER

MUSC 499**Directed Study (1–5)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: Permission of the instructor.

Individual study projects in selected special field of music.

MUSC 510**Advanced Conducting (3)**

May be repeated for a maximum of nine credits.

Instrumental and choral scores with extensive application of conducting techniques to these forms.

MUSC 520**Research Techniques and Bibliography in Music (3)**

FALL

Basic references, bibliographic aids and research techniques.

MUSC 529**Applied Lesson (1)**

FALL/WINTER/SPRING

May be repeated each quarter.

Participation in an instrumental ensemble.

MUSC 530**Instruction on Instrument or Voice (2)**

FALL/WINTER/SPRING

Prerequisites: Permission of the instructor and the department chair.

MUSC 531**Problems in Applied Music Instruction (1)**

FALL/WINTER/SPRING

May be repeated for a total of three credits.

Prerequisites: Permission of the instructor and the department chair.

For students with graduate standing who wish to pursue special study dealing with applied music.

MUSC 532**Problems in Music Ensemble Instruction (1)**

FALL/WINTER/SPRING

May be repeated for a total of three credits.

Prerequisites: Permission of the instructor and the department chair.

For students with graduate standing who wish to participate in ensembles and pursue special study dealing with the techniques and literature of the chosen medium.

MUSC 535**Music Ensemble: Instrumental (1–2)**

FALL/WINTER/SPRING

May be repeated each quarter.

Participation in an instrumental ensemble.

MUSC 536**Music Ensemble: Vocal (1–2)**

FALL/WINTER/SPRING

May be repeated each quarter.

Participation in an instrumental ensemble.

MUSC 537**Contemporary Music Ensemble (3)**

FALL/WINTER/SPRING

May be repeated each quarter.

Prerequisite: Consent of the instructor.

This ensemble allows students the opportunity to investigate through performing the music and the stylistic performance practices of music of the 20th century.**MUSC 546****Materials and Problems in the School Music****Program: Choral (3)**

Materials and problems of choral music and its performance by school groups.

MUSC 547**Materials and Problems in the School Music****Program: Instrumental (3)**

Materials and problems of instrumental music and its performance by school groups.

MUSC 550**Advanced Studies in Music Education (5)**

FALL/WINTER

Supervised research in the area of the student's concentration.

Note: MUSC 551 through MUSC 556 offers intensive study of the music literature of the named period or area with emphasis on library research. An extensive research paper is required in each course.

MUSC 551**Music of the Medieval Era (3)**

Prerequisite: Permission of the instructor.

MUSC 552**Music of the Renaissance Era (3)**

Prerequisite: Permission of the instructor.

MUSC 553**Music of the Baroque Period (3)**

Prerequisite: Permission of the instructor.

MUSC 554**Music of the Classical Period (3)**

Prerequisite: Permission of the instructor.

MUSC 555**Music of the Romantic Period (3)**

Prerequisite: Permission of the instructor.

MUSC 556**Music of the 20th Century (3)**

Prerequisite: Permission of the instructor.

MUSC 560**Historical Analysis of Musical Structure (3)**Structural analysis of music from the 16th century to the present and the relationship of this analysis to effective interpretation, performance and teaching.**MUSC 561****Counterpoint Music (2)**

Prerequisite: Permission of the instructor.

Offers intensive study and analysis of counterpoint techniques in music theory. Counterpoint is vital the basic fundamentals of advanced study in music.

MUSC 562**Topics in Theory (3)**

Exploring a variety of topics in music theory through research and discovery of analytical methods.

MUSC 563**Advanced Band Arranging (3)**

Selected orchestral compositions which are adaptable for school and professional bands.

MUSC 565**Advanced Orchestration (3)**

Prerequisite: MUSC 405.

Advanced practical arranging, orchestration and composition for school and professional orchestras.

MUSC 566**Advanced Choral Arranging (3)**

Practical approach to the art of choral scoring as applied to various vocal and instrumental combinations for school and professional choruses.

MUSC 568**Advanced Compositional Techniques (1–5)**

Prerequisite: MUSC 409.

Original work in composition in larger musical forms, with emphasis on different stylistic periods.

MUSC 569**Topics in Advanced Arranging (3)**

Prerequisite: Permission of the instructor.

Offers intensive study and analysis of a variety of arranging techniques in music theory. This course will cover skills needed to arrange music for instrumental and vocal ensembles such as: band, choir and orchestra.

MUSC 570**Electronic Music (3)**

Prerequisite: Approval by the instructor.

The course will focus on MIDI, analogue and digital audio processing with Finale and Pro Tools software and an ARP synthesizer. Students are expected to participate in class projects and learn from hands-on experience.

MUSC 590**Graduate Recital (1–4)**

FALL/WINTER/SPRING

Prerequisites: Permission of the instructor and the department chair.

Non-performance Major.

MUSC 596**Experimental Course (1–5)****MUSC 597****Workshops (1–5)**

FALL/WINTER/SPRING

Note: Workshop credit cannot be used to fulfill graduate degree requirements.

MUSC 598**Graduate Seminar in Music (3)****MUSC 599****Independent Study (1–5)**

FALL/WINTER/SPRING

Prerequisites: Permission of the instructor and the department chair.

Independent study projects in a selected field of music.

MUSC 600**Thesis (1–15)**

FALL/WINTER/SPRING

Prerequisites: Permission of the instructor and the department chair.

MUSC 601**Graduate Recital (1–15)**

FALL/WINTER/SPRING

MUSC 696**College Teaching Internship (5–15)**

FALL/WINTER/SPRING

Graded Pass/No Credit.

Teaching a lower-division college course under supervision of a regular faculty member. Includes course planning, arranging bibliographical and other instructional aids, conferences with students, experience in classroom instruction, and student and course evaluation.

NATURAL SCIENCE

College of Science, Health and Engineering
 Heather McKean, Advisor
 241 Science Hall
 (509) 359-6512

BAE

Faculty:Varies

UNDERGRADUATE PROGRAM

General Admissions Requirements for Natural Science: High school students who plan to major in natural science are encouraged to take three to four years of both science and mathematics in high school.

Required courses in the following program of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts in Education (BAE)

Natural Science/Elementary Major (30 credits)

Transfer students with AA degrees are expected to complete a minimum of seven total science courses.

This major does not meet a state of Washington endorsement.

Required Courses

BIOL 115 Investigating Biology (5)
 GEOG/GEOL 115 Investigating Earth Science (5)
 PHYS 115 Investigating Physical Science (5)

Electives:

Select one course from each area listed below for a total of 15 credits.. (Other courses can be approved by a Natural Science Advisor.)

Biological Sciences

BIOL 100 Introduction to Biology (5)

Earth Sciences

GEOG 100 Fundamentals of the Physical Environment (5)

GEOG 305 Introduction to Oceanography (5)

GEOL 100 Discovering Geology (5)

GEOL 205 Geology of the National Parks (5)

Physical Sciences

CHEM 121 Chemistry and its Role in Society (5)

CHEM 161 General Chemistry for the Health Sciences (5)

PHYS 100 Physical Science I (5)

PHYS 121 Descriptive Astronomy (5)

Required program credits	15 credits
Biological science elective credits	5 credits
Earth science elective credits	5 credits
Physical science elective credits	5 credits
Total credits for above major	30 credits

Professional Education Requirements/ Elementary Education: 102–103 credits

See the Department of Education section of this catalog. Prerequisites may also apply.

Minimum total credits for above major and professional education	132 credits
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Note: The above major requires the completion of a minor.

Note: One course in the above major can be used to meet the General Education Core Requirements in Natural Science.

Natural Science Courses

See course descriptions listed under the participating programs and departments: Biology, Chemistry and Biochemistry, Geography, Geology and Physics.

Terms offered: *If no terms are indicated, check with department or quarterly course announcement.*

NTSC 299

Individual Study (1–5)

FALL/WINTER/SPRING

Prerequisite: Permission of the instructor.

Individual studies in natural science or planetarium operations.

NURSING

Intercollegiate College of Nursing
Dorothy Detlor, Dean
W. 2917 Fort George Wright Drive
Spokane, Washington 99224
(509) 324-7360

Peggy Peterson, RN, MN
General Undergraduate Academic Advising Office
302 Sutton Hall, EWU
(509) 359-6926

BSN **MN**

Faculty: P.Aamodt, J.Adams, C.Allen, G.Anderberg, M.Armstrong, J.Banasik, T.Bayne, R.Bindler, M.L. Bradbury, M. Bruya, K. Busch, T. Buxton, B. Cardell, S. Carollo, B. Cherrier, K. Choka, C. Corbett, L. Dawson, D. Detlor, D. Doutrich, A. Dupler, L. Eddy, P. Eide, B. Emerson, D. Franck, A. Fulton, G. Gass, E. Gruber, M. Haberman, L. Habn, Z. Higgs, A. Hirsch, R. Hoeksel, C. Holliday, D. Hudzinski, C. Johns, M. Jones, L. Kaplan, J. Katz, R. Kelly, L.A. Kiefer, F. Lege, B. Leon, J. Loban, N. Lungstrom, C. Martin, C. Melin, J. Meyers, K. Miller, D. Molinari, B. Morrison, R. O'Brien, G. O'Neal, B. Oyley, S. Perkins, J. Purath, M. Rasmor, M. Rice, C. Riebe, L. Schumann, B. Severtsen, J. Spuck, A. Starkweather, M. Stucky, D. Swain, R. Townsend, F. Van Gemert, L. Ward, M. Webster, M. Wood

UNDERGRADUATE PROGRAMS

University nursing programs are taught at the Intercollegiate College of Nursing (ICN) in Spokane. The college of nursing is shared by four institutions of higher education: Eastern Washington University, Gonzaga University, Washington State University and Whitworth College. This cooperative baccalaureate program is the first of its kind among colleges and universities in the United States. The nature of the consortium encourages an environment supportive of individual differences in students, faculty and institutional emphases; broadens the resources available to the college of nursing; and provides a diversity of student backgrounds and experiences which stimulate and enhance learning.

Instructional programs are conducted at the baccalaureate and master's degree levels to develop responsible citizens and to provide the professional knowledge, skills and values essential to the practice of nursing throughout our global society. The undergraduate curriculum includes both liberal arts education and preparation as a generalist in the practice of nursing. The curriculum at the graduate level provides preparation for advanced and specialized practice and affords experience in conducting research. Faculty members, as an integral part of the instructional process, practice nursing and serve as models and mentors with small groups of students. The ICN provides an environment conducive to intellectual curiosity and independent learning. Its programs of study accommodate individual differences and interests.

Approximately 500 generic and registered nurse students are enrolled in the baccalaureate nursing programs and 150 in the graduate program. The undergraduate programs are for students initiating the study of nursing and for registered nurses who wish to obtain a baccalaureate degree in nursing. Prospective undergraduate applicants are urged to consult with the lower-division advisor, Peggy Peterson, RN, MN, Advising Office, 302 Showalter Hall, EWU. Prospective graduate students should consult with the graduate program coordinator at the ICN.

General Admissions Requirements for Nursing: Admission to the upper division nursing major taught at the ICN is based upon evaluation of the student's entire application, including academic record and GPA. The number of applicants to the ICN may exceed the number that can be admitted; therefore, no assurance can be given that all applicants admitted to the University and successfully completing the lower-division requirements will be admitted to the nursing major.

Applicants must complete 90 quarter hours of acceptable credit from Eastern Washington University. The credits must include courses that meet General Education Core Requirements for graduation and the prerequisite courses for the nursing program.

EWU Nursing Prerequisite Courses (58 credits)

BIOL 232 Human Anatomy and Physiology for Non-Biology Majors (5)
 BIOL 233 Human Anatomy and Physiology for Non-Biology Majors (5)
 BIOL 234 Human Anatomy and Physiology for Non-Biology Majors (5)
 BIOL 335 Elementary Medical Microbiology (5)
 CHEM 161 General Chemistry for the Health Sciences (5)
 CHEM 162 Organic Chemistry for the Health Sciences (5)
 CHEM 163 Biochemistry for the Health Sciences (5)
 FNNDT 356 Nutrition (5)
 HLED 194 Emergency Response (3)
 or American Red Cross Standard First Aid Certificate
 PSYC 100 General Psychology (5)
 PSYC 310 Psychological Statistics (5)
 or SOCI 356 Introduction to Social Statistics (5)
 SOCI 101 Introduction to Sociology (5)

Required courses in the following program of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Science (BSN)

Nursing Major (1007.5 credits)

Nursing Major Required Courses

NURS 308 Professional Development I: Research and Informatics (3)
 NURS 309 Professional Development II: Ethical Reasoning and Decision Making Processes in Nursing (6)
 NURS 311 Pathophysiology and Pharmacology for Nursing (6)
 NURS 315 Nursing Practice: Health and Illness (6)
 NURS 316 Introduction to Nursing Practice in Health and Illness: Theory (3)
 NURS 317 Health Assessment (4.5)
 NURS 318 Growth and Development Across the Life Span (4.5)
 NURS 322 The Human Experience of Diversity and Health (3)
 NURS 324 Nursing Concepts in Acute and Chronic Illness in the Adults (6)
 NURS 325 Nursing Practice in Acute and Chronic Illness in Adults (7.5)
 NURS 328 Introduction to Gerontological Nursing (3)
 NURS 408 Professional Development III: Leadership and Management (4.5)
 NURS 409 Professional Development IV: Transition to Practice (3)
 NURS 414 Child and Family Health: Theory (4.5)
 NURS 415 Children and Families as the Focus of Nursing Care (4.5)
 NURS 416 Childbearing Health of the Family (4.5)
 NURS 417 Nursing Care of Childbearing Families (3)
 NURS 424 Psychiatric/Mental Health Nursing Concepts (4.5)
 NURS 425 Nursing Practice: Psychiatric-Mental Health (3)
 NURS 426 Community Health Nursing Theory (3)
 NURS 427 Community Health Nursing Practice (4.5)
 NURS 430 Senior Practicum (4.5)

Elective

Tier III/Upper Division Elective (4.5)

Required program credits

96 credits

Elective credits

4.5 credits

Total credits for above major

100.5 credits

Nursing Program for Registered Nurses Required Courses

BSN for Rns Admission Criteria

- Washington State RN licensure eligibility (Washington State Patrol clearance upon acceptance to the Intercollegiate College of Nursing)
- Junior year standing (60 semester hours (sh)/90 quarter hours)
- Cumulative GPA of 2.8 in college courses and in course prerequisites to nursing
- Minimum course grade in each course prerequisite to nursing (C, 2.0)

Lower division prerequisites to the nursing major:

Anatomy and Physiology	8 semester hours
Chemistry course with lab	4 semester hours
Human Nutrition	3 semester hours
Introduction to Sociology/Social Problems	3 semester hours
Microbiology	4 semester hours
Statistics	4 semester hours

- Computer skills, word processing, World Wide Web and e-mail are essential.
- Some travel to the College of Nursing in Spokane may be required.

RN to BSN

Semester I

NURS 360 Professional Nursing Concepts and Issues (2 semester hours)
 NURS 365 Assessment and Application of Physiological Concepts I (3 semester hours)
 NURS 400 Nursing Research and Informatics (3 semester hours)

Semester II

NURS 366 Assessment and Application of Physiological Concepts II (3 semester hours)
 NURS 460 Clinical Decision Making (5 semester hours)
 NURS 477 Ethics in Health Care (3 semester hours)

Semester III

NURS 405 Nursing Leadership (2 semester hours)
 NURS 440 Community Health Nursing Concepts (2 semester hours)
 NURS 462 Psychiatric/Mental Health Concepts (2 semester hours)
 NURS 465 Community and Psychiatric Mental Health Practice (3 semester hours)

Semester IV

NURS 406 Nursing Management (3 semester hours)
 NURS 495 Advanced Clinical Practicum (2 semester hours)
 Upper Division Elective (3 semester hours)

GRADUATE PROGRAM

Program Advisor: Anne Hirsch, Associate Dean, Academic Affairs

Master of Nursing

The Intercollegiate College of Nursing began as the Intercollegiate Center for Nursing Education (ICNE), that was established July 1, 1968, as a joint endeavor of Eastern Washington University, Washington State University, Gonzaga University and Whitworth College. Its cooperative undergraduate program was the first of its kind among colleges and universities in the United States.

The Graduate Program in Nursing was established in 1983. The program builds upon an undergraduate baccalaureate degree in nursing and provides a basis for further study at the doctoral level. The purpose is to prepare students for leadership positions in advanced nursing practice. Areas of concentration available include: community-based/population-focused nursing, family nurse practitioner and psychiatric/mental health nurse practitioner.

Admission Requirements/Preparation

The Master of Nursing Program is open to students who hold a bachelor of science in nursing degree from a nationally recognized accrediting agency or approval by the Graduate Program Committee. Admission is granted on the basis of the student's (1) undergraduate GPA, (2) skills in history taking and physical assessment, (3) satisfactory completion of a course in basic descriptive and inferential statistics, (4) eligibility for licensure as a registered nurse in Washington state, (5) clearance from the Washington State Patrol and (6) recommendations relative to professional nursing competence and prediction of success as a graduate student.

Advising

Students entering through Eastern Washington University apply to the Graduate Studies Office in Cheney and the Graduate Program Office at the ICN. Program information, determination of student interests and goals and assignment of a faculty advisor is provided by the Graduate Program Office at the ICN.

Fee Schedule

By interinstitutional agreement the sponsoring institutions charge the same tuition and fee rates for students enrolled in the ICN Master of Nursing Program. Students should check with the ICN for the current fee schedule.

Degree Requirements**MN Program Structure**

Each program of study is designed to be completed in two academic years. Provision is made for part-time matriculation over a longer period of time, subject to policies and requirements of Eastern and the ICN.

Candidates for the MN degree are required to demonstrate competency in relevant computer applications. The student may choose to complete a thesis or clinical project.

Core Courses and Credit Hours in the Areas of Concentration

NURS 504 Methods of Nursing Research (6)
 NURS 507 Health Care Policy Analysis (3–4.5)
 NURS 700 Thesis (9)
 or NURS 702 Clinical Research Project (4.5)

Courses Required for Community-Based/Population-Focused Nursing

NURS 550 International, Interdisciplinary and Transcultural Health Care (4.5)
 NURS 552 Family Nursing in the Community (3–6)
 NURS 554 Epidemiological Approaches to Community Health (4.5)
 NURS 556 Community-Based/Population Focused Role Practicum (4.5–9)
 NURS 564 Health Promotion in Nursing Practice (3–4.5)
 NURS 565 Information Management for Nursing Practice (4.5)
 NURS 566 Community Analysis and Program Planning (4.5–6)
 NURS 600 Thesis (9)
 or NURS 601 Clinical Research Project (4.5)
 Additional credits from subspecialty area courses (18–21)

Nursing Administration, Education, Care Management of Adults/Elders or Children, or Individualized Study Option**Total for Community-Based/
Population-Focused Nursing**

**51 or 64.5 credits
with thesis 55.5 or 73.5 credits**

Courses Required for Family Nurse Practitioner

NURS 503 Scientific Inquiry in Nursing (3)
 NURS 537 Role Analysis: Advanced Practice (3)
 NURS 562 Advanced Health Assessment and Differential Diagnosis (6)
 NURS 563 Pharmacology: Advanced Concepts and Practice (4.5)
 NURS 567 Primary Care: Adults and Elders (6)
 NURS 568 Primary Care: Infants, Children and Adolescents (6)
 NURS 569 Primary Care: Family (6)
 NURS 570 Clinical Decision Making (1.5)
 NURS 575 Diagnostic Testing and Interpretation (3)
 NURS 581 Advanced Pathophysiology I (4)
 NURS 595 Internship (7.5)
 NURS 700 Thesis (9)
 or NURS 702 Clinical Research Project (4.5)
 Elective (4.5)

Total for Family Nurse Practitioner:

**59.5 credits
with thesis 64 credits**

Courses Required for Psychiatric/Mental Health Nurse Practitioner

NURS 503 Scientific Inquiry in Nursing (3)
 NURS 541 Psychiatric/Mental Health Nursing: Individuals (6)
 NURS 542 Psychiatric/Mental Health Advanced Practice Role Development (3)
 NURS 543 Psychiatric/Mental Health Nursing (6)
 NURS 544 Differential Diagnosis of Medical and Psychiatric Mimics (3)
 NURS 546 Practicum in Psychiatric/Mental Health Nursing (6–7.5)
 NURS 547 Practice Management for the Psychiatric Nurse Practitioner (3)
 NURS 548 Psychiatric Nurse Practitioner Internship (1.5–13.5)
 NURS 549 Addiction Perspectives (2–3)
 NURS 562 Advanced Health Assessment and Differential Diagnosis (6)
 NURS 581 Advanced Pathophysiology (6)
 NURS 700 Thesis (9)
 or NURS 702 Clinical Research Project (4.5)
 PharP 525 Practical Psychiatric Drug Therapy for Clinicians (4.5)

**Total for Psychiatric/Mental Health
Nurse Practitioner:**

**54.5 or 64.5 credits
with thesis 59 or 73.5 credits**

Final Comprehensive Examination

The candidate for the master of nursing degree at the Intercollegiate College for Nursing is eligible to take the comprehensive final examination during the student's last semester of study. In order to be eligible for this exam the student must be accepted for candidacy by filing a program of study at the ICN Graduate Program Office. This program must be approved prior to student's last semester of study. This final public oral examination is the culmination

of the student's required course work, including the thesis or clinical research project. When the student has completed and/or is enrolled in the last semester of all required course work, the oral examination is scheduled. A completed thesis is placed in the ICN Library for public examination. A notification of the time, date and place of the examination is posted in three locations at the ICN. Further detailed instructions are available in the ICN Graduate Student Handbook.

Nursing Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

NURS 307**Assertiveness Training For Nurses (3)**

Grades Pass/No Credit.

Prerequisites: Junior standing and Nursing major. Designed to assist students or RNs in learning and applying assertion techniques and conflict management skills in personal and nursing situations. The course provides a means of integrating theoretical concepts into practical situations.

NURS 308**Professional Development I: Research and Informatics (3)**

Prerequisite: Admission to nursing program or permission of the instructor.

First of Professional Development series. Focus on nursing and health care research, information management, informatics and development of nursing research.

NURS 309**Professional Development II: Ethical Reasoning and Decision Making Processes in Nursing (6)**

Prerequisites: NURS 308; co-requisite NURS 315. Continuation of Professional Development series. Moral/ethical reasoning models, decision processes and philosophical basis of nursing as a discipline explored.

NURS 311**Pathophysiology and Pharmacology in Nursing (6)**

Prerequisite: Admission to nursing major. Etiology, pathogenesis, clinical manifestations of common human dysfunction. Nursing implications for prevention and therapeutic approaches including pharmacologic and nonpharmacologic therapies.

NURS 315**Nursing Practice: Health and Illness (6)**

Prerequisites: NURS 308, 311, 314.

Introduction to nursing practice and health assessment: professional values, core competencies, core knowledge and role development.

NURS 316**Introduction to Nursing Practice in Health and Illness: Theory (3)**

Introduction to theoretical foundations of nursing practice. Core values of caring and holism provide framework for multidimensional assessment of adults.

NURS 317**Health Assessment (4.5)**

Systematic approach to health assessment of adults. Holistic assessment is emphasized, incorporating use of nursing process and scientific rationale.

NURS 318**Growth and Development Across the Life Span (4.5)**

Prerequisite: Admission to nursing major or permission of the instructor.

Theoretical and conceptual perspectives on human growth and development across the life span.

NURS 322**The Human Experience of Diversity and Health (3)**

Prerequisite: Admission to nursing major or permission of the instructor.

Explorations of regional, national and global expressions of health and illness and implications for health care professionals.

NURS 324**Nursing Concepts in Acute and Chronic Illness in the Adult (6)**

Prerequisites: NURS 311, 314, 315.

Theoretical concepts of acute and chronic illness in the adult as a basis for critical thinking and decision-making in nursing.

NURS 325**Nursing Practice in Acute and Chronic Illness in Adults (7.5)**

Prerequisites: NURS 311, 314, 315; co-requisite NURS 324.

Application of acute/chronic illness concepts in adults as a basis for critical thinking and decision-making in nursing.

NURS 328**Introduction to Gerontological Nursing (3)**

Co-requisite: NURS 318.

Professional values, communication and functional assessment in care of elders. Core knowledge and role development of the gerontological nurse.

NURS 360**Professional Nursing Concepts and Issues (3)**

Prerequisite: Admission to RN/BSN Program.

Selected philosophical, historical, economic, legal/ethical and professional issues designed for registered nurses to build upon previously acquired professional concepts.

NURS 365**Nursing Concepts: Assessment and Application of Physiological Concepts to Nursing Practice I (4.5)**

Prerequisites: Enrolled in WSU College of Nursing; registered nurse.

Integration of pathophysiological, assessment, pharmacological nursing concepts with diverse client populations; emphasizing neurological, EENT, skin, musculoskeletal, endocrine and respiratory systems.

NURS 366**Nursing Concepts: Assessment and Application of Physiological Concepts to Nursing Practice II (4.5)**

Prerequisites: Enrolled in WSU College of Nursing; registered nurse.

Integration of pathophysiological, assessment, pharmacological nursing concepts with diverse client populations; emphasizing fluid/electrolytes, oncology, GI/GU; cardiovascular; immune system, renal.

NURS 390**Laboratory Value Analysis and Interpretation (3)**

Prerequisite: NURS 312

Analysis and interpretation of common laboratory values with nursing focused application in selected case scenarios.

NURS 405**Nursing Leadership (3)**

Prerequisites: Enrolled in WSU College of Nursing; registered nurse.

Application of group leadership and management theories to professional nursing practice.

NURS 406**Nursing Management (4.5)**

Prerequisites: Enrolled in WSU College of Nursing; registered nurse.

Management, leadership and group theories are utilized and applied to the management of nursing and health care.

NURS 408**Professional Development III: Leadership and Management (4.5)**

Prerequisite: NURS 309.

Continuation of Professional Development series. Focus on impact of leadership, management and resource allocation on patient outcomes.

NURS 409**Professional Development IV: Transition to Practice (3)**

Prerequisite: NURS 408.

Continuation of professional development series. Focus on transition to practice and nursing across health care systems/delivery within global arena.

NURS 414**Child and Family Health: Theory (4.5)**

Prerequisites: NURS 324, 325; co-requisite: NURS 318, 328.

Analysis and evaluation of scientific and theory base for nursing care of children and families.

NURS 415**Children and Families As the Focus of Nursing Care (4.5)**

Prerequisites: NURS 324, 325; co-requisites: NURS 318, 328, 414.

Synthesis and application of underlying science and nursing process with the unique population of children and families.

NURS 416**Childbearing Health of the Family (4.5)**

Prerequisites: NURS 324, 325; co-requisites: NURS 318, 328.

Care of childbearing families within the context of community. Newborn health, and men's and women's reproductive health are addressed.

NURS 417**Nursing Care of Childbearing Families (3)**

Prerequisites: NURS 324, 325; co-requisites: NURS 318, 328, 415, 416.

Nursing care of families during the childbearing continuum in community and/or acute care settings. (combination of clinical and seminar)

NURS 424**Psychiatric/Mental Health Nursing Concepts (4.5)**

Prerequisites: NURS 414, 415, 416, 417.

Healthy to psychopathological states studied within a nursing framework. Includes history, theories, legal/ethical issues of psychiatric/mental health nursing.

NURS 425**Nursing Practice: Psychiatric/Mental Health (3)**

Prerequisites: NURS 414, 415, 416, 417; co-requisite: NURS 424.

Clinical application of the nursing process with clients experiencing acute and chronic psychiatric/mental health disruptions.

NURS 426**Community Health Nursing Theory (3)**

Prerequisites: NURS 414, 415, 416, 417.

Synthesis of nursing and public health concepts with emphasis on community as partner and population-focused practice.

NURS 427**Community Health Nursing Practice (4.5)**

Prerequisites: NURS 414, 415, 416, 417; co-requisite: NURS 426.

Promoting the public's health through application of the public health functions: assessment, policy development and assurance.

NURS 430**Senior Practicum (4.5)**

Prerequisites: NURS 409, 424, 425, 426, 427.

Clinical and theoretical concepts are applied in a concentrated clinical practicum. Use of clinical preceptors and student objectives is employed.

NURS 440**Nursing Concepts: Community Health (3)**

Prerequisites: Concurrent NURS 441.

Synthesis of nursing and public health concepts with focus on community as partner and population-based practice.

NURS 441**Nursing Practice: Community Health (6)**

Clinical application of nursing, public health and management concepts. Emphasis on population-based collaborative practice.

NURS 460**Nursing Concepts: Clinical Decision Making (5)**

Prerequisites: Enrolled in ICN consortium university with nursing major; registered nurse.

Analysis of clinical decisions and the role of the professional nurse in case management, information management and policy development.

NURS 462**Selected Nursing Concepts: Psychiatric/Mental Health (3)**

Course content builds on the RNs background and focuses on the nursing process with individuals and families experiencing psychiatric-mental health disruptions.

NURS 465**Nursing Practice: Community and Psychiatric Mental Health (4.5)**

Prerequisites: NURS 462 and 440 or concurrent.

Application of community health, public health, and psychiatric/mental health nursing concepts to individuals, families and communities with identified health needs.

NURS 477**Analysis of Health Care Ethics (3-4.5)**

Analysis of ethical theories including deontology, teleology, virtue ethics and their applicability to ethical dilemmas in nursing.

NURS 479**Advanced Physiology for Clinical Practice (4.5)**

Prerequisite: Admission to WSU nursing program.

Cellular and system physiology foundational to advanced practice and understanding drug mechanisms of action.

NURS 491**Advanced Cardiac Life Support (ACLS) and Laboratory Value Analysis and Interpretation (4.5)**

Prerequisites: NURS 311, 324, 325 or by permission.

Analysis/interpretation of common laboratory values; basic interpretation of common ECG rhythms, dysrhythmias and application of ACLS dysrhythmias management guidelines.

NURS 495**Nursing Practice: Advanced Clinical Practicum (3)**

Prerequisites: Enrolled in WSU College of Nursing.

Application and integration of theoretical content in an area of nursing practice of special interest to the student.

NURS 498**Special Topics in Nursing (2-4)**

Prerequisite: Senior standing or permission of the instructor.

Selected topics in nursing.

NURS 499**Independent Study (2-6)****NURS 503****Scientific Inquiry in Nursing (3)**

Scientific inquiry applied to theoretical and philosophical foundations in nursing.

NURS 504**Methods of Nursing Research (6)**

Elements of the research process as foundational to both the conduct of scientific inquiry and the utilization of findings; emphasis is placed on the interrelationship between research and nursing practice.

NURS 507**Health Care Policy Analysis (3-4.5)**

Analysis of health care system policy. Exploration of issues of clinical management and community resource utilization including advocacy techniques.

NURS 513**Innovative Leadership and Management (4.5-7.5)**

Prerequisite: Graduate standing in nursing or permission of the instructor.

Synthesis of principles of innovative leadership and management in administrative roles of nurses. Application of principles of management and leadership to delivery of nursing services.

NURS 517**Financial Management (3-4.5)**

Prerequisite: Graduate standing in nursing.

Application of economic theory and principles of financial management to the role of nurse manager.

NURS 519**Teaching in the Information Age (4.5)**

Prerequisite: Basic computer skills; permission of the instructor.

Focus on educational paradigms consistent with distance education. Development of a variety of multimedia materials for nursing education.

NURS 520**Nursing Education in a Multicultural Society (4.5-7.5)**

Prerequisite: Basic computer, library data base searching, Internet, e-mail skills; permission of instructor.

Application of learning theories and strategies useful in teaching diverse populations in a distance learning format.

NURS 521**Teaching, Learning and Evaluation in Nursing (4.5-7.5)**

Prerequisite: Graduate standing in nursing or permission of the instructor.

Exploration of concepts related to teaching-learning, assessment of diverse learning needs, instructional strategies and design, evaluation of performance outcomes.

NURS 523**Nursing Education: Past, Present and Future (4.5-7.5)**

Prerequisite: Graduate standing in nursing or permission of the instructor.

Exploration of curriculum history, development, future predictions, program evaluation, instructional resources, leadership, and policy development in academic and service settings.

NURS 524**Multimedia Approaches to Instruction and Evaluation (3-6)**

Prerequisite: NURS 521.

Group and individualized instruction and evaluation; creating instructional software, use of TV studio, AV and computers.

NURS 537**Role Analysis: Advanced Practice (3)**

Prerequisite: Graduate standing in nursing or permission of the instructor.

Emphasis on role analysis including interdisciplinary relationships, consultative skills, responsibility, activities and functions of the advanced practice nurse.

NURS 540**Family and Partner Psychotherapy (6)**

Prerequisites: NURS 541 and 543 or master's degree in psychiatric/mental health nursing, or written permission of the instructor.

Introduction to theory and practice of family/partner therapy including role of therapist in treatment of family as a unit.

NURS 541**Psychiatric/Mental Health Nursing: Individuals (6)**

Prerequisite: Graduate standing in nursing; NURS 581 or concurrent.

Theories of psychopathology and appropriate nursing interventions with individuals across the age continuum.

NURS 542**Psychiatric/Mental Health Advanced Practice Role Development (3)**

Prerequisite: BSN degree.

Advanced practice psychiatric/mental health nursing role development emphasizing systems theory and definition of scope and standards of independent and collaborative roles.

NURS 543**Psychiatric/Mental Health Nursing (6)**

Prerequisites: NURS 541, 581.

Introduction to theory and practice of group psychotherapy; Milieu and other selected theories are studied and applied to nursing practice.

NURS 544**Differential Diagnosis of Medical and Psychiatric Mimics (3)**

Prerequisites: NURS 581, 582 or concurrent.

Nursing theoretical differential assessment and management principles of physical/psychiatric symptomatology in determining diagnoses and implementing appropriate treatment.

NURS 545**Advanced Concepts of Psychiatric/Mental Health Nursing: Children and Adolescents (7.5)**

Prerequisites: NURS 541 and 543, or written permission of the instructor.

Advanced study of intervention models for psychopathologies evidenced during childhood and adolescence. Practicum emphasizes assessment, psychiatric diagnosis and psychotherapeutic intervention.

NURS 546**Practicum in Psychiatric/Mental Health Nursing (6-7.5)**

Prerequisites: NURS 541, 543, 562, 581, and pre- or co-requisites PHARP 525

Individualized clinical experiences/seminar designed to provide advanced competency, accountability, leadership in psychiatric/mental health nursing.

NURS 547**Practice Management for the Psychiatric Nurse Practitioner (3)**

Prerequisite: Last semester of NP program.

Evaluation of the role of the psychiatric nurse practitioner across a variety of health care contexts, examining current practice issues.

NURS 548**Psychiatric Nurse Practitioner Internship (1.5-13.5)**

Prerequisites: NURS 546, PHARP 525, by interview only.

Application and integration of theory, research findings, assessment and intervention in the primary care of clients with psychiatric disorders.

NURS 549**Dimensions of Substance Abuse (3)**

Prerequisites: NURS 504, 537, 541, 562, 581, 582.

Introduction to assessment, evaluation, prevention and treatment for substance abuse.

NURS 550**International, Interdisciplinary and Transcultural Health (4.5)**

Prerequisite: Graduate standing in nursing or by permission.

Focuses upon diverse health beliefs and practices or clients and members of the interdisciplinary health care team.

NURS 552**Family Nursing in the Community (3-6)**

Prerequisite: Graduate standing in nursing or permission of the instructor.

Theoretical approaches to the analysis of normal and at-risk families. Application of family assessment and intervention models when planning nursing care for families.

NURS 554**Epidemiological Approaches to Community Health (4.5)**

Prerequisite: Graduate student in nursing or permission of the instructor.

Epidemiologic application to states of health with implications for health promotion and disease

prevention; focus on knowledge and skills required to obtain and use epidemiologic, demographic and survey data bases for program proposal development.

NURS 555**Community-Based/Population-Focused Nursing Internship (1.5-13.5)**

Prerequisites: NURS 550, 552, 554, 564 and 566 or permission of the instructor.

Application and integration of theory, research findings and community analyses/macro-level intervention strategies in performing community-based/population-focused nursing.

NURS 556**Community-Based/Population-Focused Role Practicum (4.5-9)**

Prerequisite: Permission of the instructor.

Culminating analysis, development and enactment of advanced practice roles in teaching, practice or administration of community-based/population-focused nursing.

NURS 557**Care Management with At-Risk Infant and Young Child Populations (4.5)**

Prerequisite: Graduate standing in nursing or by permission.

Analysis of biopsychosocial health risks of infants and young children using model of risk and resiliency in advanced nursing practice.

NURS 558**Care Management with At-Risk Older Child and Adolescent Populations (4.5)**

Prerequisite: Graduate standing in nursing or by permission.

Analysis of biopsychosocial health risks of older children and adolescents using model of risk and resiliency in advanced nursing practice.

NURS 559**Advanced Nursing Practice with At-Risk Child and Youth Populations Practicum (3.5-6)**

Prerequisite: Graduate standing in nursing or by permission.

Application of concepts/models of childhood risk and resiliency in advanced nursing practice with community-based at-risk older children and adolescents.

NURS 560**Promoting Health of Community-Based Adults (3.5-6)**

Analysis and evaluation of strategies, interventions and programs to promote the health of at-risk adult community populations.

NURS 562**Advanced Health Assessment and Differential Diagnoses (6)**

Prerequisite: Graduate standing in nursing.

Advanced holistic health assessment/differential diagnosis; analysis of data from biological, sociological, psychological, cultural and spiritual dimensions.

NURS 563**Pharmacology: Advanced Concepts and Practice (4.5)**

Prerequisite: Graduate standing in nursing or permission of the instructor.

An advanced course in pharmacology concepts. Emphasis on pharmacokinetics, clinical decision making, administration, and monitoring drug therapy, patient education and legality associated with ARNP prescriptive authority. Clinical experience will be provided in rural and urban facilities.

NURS 564**Health Promotion in Nursing Practice (3-4.5)**

Prerequisite: Graduate standing in nursing or permission of the instructor.

Theoretical bases for selected health promotion strategies of neonates through elderly clients considering cultural variations.

NURS 565**Information Management for Nursing Practice (4.5)**

Prerequisite: Computer competency in word processing/spreadsheets.

Application and evaluation of nursing informatics use for management of patient care data. Focus on nursing practice and administrative uses of information management. Nursing and health (hospital) information systems will be discussed. Nursing informatics uses in clinical nursing will be practiced.

NURS 566**Community Analysis and Program Planning (4.5-6)**

Prerequisite: Graduate standing in nursing or permission of the instructor.

Application of core public health functions in community analysis, program development and program evaluation.

NURS 567**Primary Care: Adults and Elders (6)**

Prerequisites: NURS 562, 563 and 581.

Assess, differentially diagnose and therapeutically intervene with adult clients considering developmental changes. Experience will include opportunities to provide diagnostic, maintenance and follow-up care of adults in rural and urban settings.

NURS 568**Primary Care: Infants, Children and Adolescents (6)**

Prerequisites: NURS 562, 563 and 581.

Assess, differentially diagnose and therapeutically intervene with infants, children and adolescents. Experience will include well-child and management of common pediatric health problems, in rural and urban settings.

NURS 569**Primary Care: Family (6)**

Prerequisites: NURS 562, 563 and 581.

Assess, differentially diagnose and therapeutically intervene with individuals in childbearing, child-rearing and other multigenerational families. Experience will include management of family health care problems in rural and urban settings.

NURS 570**Clinical Decision Making (1.5)**

Prerequisite: NURS 581, 562, 563; concurrent with first clinical course.

Provides a framework for systematic collection, organization, interpretation and communication of data for the development of differential diagnosis.

NURS 571**Adult and Elders: Inpatient Management of Chronic Problems (9)**

Prerequisites: NURS 562, 563, 581 and co-requisite NURS 575.

Diagnosis and treatment of inpatient adults and elders with low to medium acuity.

NURS 572**Adult and Elders: Inpatient Management of Acute/Critical Problems (9)**

Prerequisites: NURS 562, 563, 581 and co-requisite NURS 575.

Diagnosis and treatment of inpatient adults and elders with high to critical acuity.

NURS 575

Diagnostic Testing and Interpretation (4.5)

Prerequisite: Graduate standing in nursing.
Analysis of diagnostic findings across the age continuum for clinical decision making, selected diagnostic and treatment skills for advanced practice.

NURS 576

Advanced Practice: Research Application (3)

Prerequisite: Graduate standing in nursing or permission of the instructor.
Exploration of linkage between nursing science concepts and nursing practice through analysis of relevant research.

NURS 577

Ethics in Health Care (3-4.5)

Prerequisite: Graduate standing in nursing or permission of the instructor.
Analysis of ethical theories including deontology, teleology, virtue ethics and their applicability to ethical dilemmas in nursing. Graduate students will also analyze the ethical framework of a health care facility with which they are familiar.

NURS 578

Plateau Tribes: Culture and Health (4.5)

Graduate-level counterpart of NURS 478; credit not granted for both 478 and 578.
History, culture and health care needs of the Plateau Indian tribes are addressed; includes both classroom and practicum experience.

NURS 579

Vulnerable Populations: The Homeless (4.5)

Prerequisite: Graduate nursing status or by permission.
Analyze factors placing persons at risk for homelessness. Propose policy changes based on research and experiential learning.

NURS 581

Advanced Pathophysiology (6)

Prerequisite: Graduate standing in nursing or permission of the instructor.
Advanced cellular and system pathophysiology of individuals with neurological, endocrine, immune, hematology, cardiopulmonary, renal, gastrointestinal, bone and skin disorders.

NURS 583

Promoting Health of Community-Based Elders (3 or 6)

Advanced practice role in assessment, nursing intervention and public policy regarding multidimensional physical, emotional and social problems of community-based elderly.

NURS 594

Nursing Care of Children in a School Setting (4.5)

Prerequisite: Admission to graduate program or by permission.
Assessment of the school age population including high risk students. Development, management and evaluation of school health services.

NURS 595

Internship (1.5-7.5)

Prerequisites: NURS 562, 563, 581 and one of NURS 567, 568, 569, 571 or 572.
Emphasis on application and integration of theoretical content, research findings, and assessment and intervention strategies into primary care practice.

NURS 596

Post-Master's Psychiatric Nurse Internship (1-13.5)

Prerequisites: Prior completion of course work for clinical nurse specialist in Psychiatric/Mental Health or Psychiatric

Nurse Practitioner, malpractice insurance as an ARNP with prescriptive authority, and permission of the instructor.
Supervised performance of the ARNP role in psychiatric nursing care for patients presenting primary psychiatric disorders.

NURS 597

Advanced Topics in Nursing (1-4.5)

May be repeated for credit; cumulative maximum 9 credits.

NURS 598

Advanced Topics in Nursing (1-4.5)

May be repeated for credit; cumulative maximum 9 hours.

NURS 599

Independent Study (1-7.5)

NURS 600

Thesis (1-9)

Graded Pass/No Credit.
Prerequisite: NURS 504.
The systematic development and investigation of a research problem selected by the student and executed with the guidance of a thesis committee.

NURS 601

Clinical Research Project (1-4.5)

Graded Pass/No Credit.
Prerequisite: NURS 504.
A research study in lieu of a bound thesis conducted as partial fulfillment of a master's degree under the direction of a graduate faculty member in the student's specialty area.

Note: Please reference the Washington State University's catalog for 700 level course descriptions.



OCCUPATIONAL THERAPY

College of Science, Health and Engineering
 Gregory Wintz, Chair
 Health Sciences Building
 310 North Riverpoint Blvd, Box R
 Spokane, WA 99202-1675
 Phone: (509) 368-6560
 Fax: (509) 368-6561

MOT

Faculty: K. Frankenfield, W. Holmes, E. Kohler, R. Russell, G. Wintz,
 M. Wright

UNDERGRADUATE PROGRAM

Bachelor of Arts in Interdisciplinary Studies with an emphasis in Occupation Therapy leading to a Master in Occupational Therapy.

GRADUATE PROGRAM

Master of Occupational Therapy

The Profession: Occupational Therapy (OT) is a health and rehabilitation profession that helps people of all ages to participate more fully in their day-to-day lives. Occupational therapists assist persons who are experiencing a physical, cognitive or emotional impairment(s) recover to their maximum level of independence. Occupational therapists help people take care of themselves and their families, enjoy life and contribute to the social and economic fabric of the community.

Our Mission: The mission of the Department of Occupational Therapy at Eastern Washington University is to prepare entry-level graduates to provide occupational therapy services with distinctiveness and compassion in a variety of professional practice environments. The program will provide a foundation of skills in general practice competencies, leadership, and creative and critical thinking processes to facilitate the development of an innovative, entry-level occupational therapist. Additionally, graduates will demonstrate a commitment to the common good, creative life-long learning and high ethical standards for professional practice. A particular focus of the educational program is to prepare entry-level practitioners to work in rural, underrepresented and underserved communities. Teaching and modeling professional behavior and ethics, cultural competencies, and a respect for diversity throughout the educational program will prepare graduates to provide services in these emerging areas of practice. The program will also emphasize community-based and interdisciplinary service delivery models essential for successful practice in rural and underserved areas.

The Department of Occupational Therapy is dedicated to creating a student-centered learning environment in collaboration with the educational resources at Eastern Washington University. Both faculty and students will be encouraged to demonstrate a spirit of scholarly inquiry and to contribute ongoing knowledge to the profession of occupational therapy. The program will strive to create and nurture partnerships with the region's health-care, educational, business, and social communities to enhance the quality of the educational experience for our students. Finally, the department will actively promote professional leadership and service to the community at large.

Accreditation: The Occupational Therapy program at Eastern Washington University is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA). The AOTA is located at 4720 Montgomery Lane, P.O. Box 31220, Bethesda, MD 20824-1220; phone number is (301) 652-AOTA.

Graduates of the program will be able to sit for the National Certification Examination for the Occupational Therapist administered by the National Board for Certification in Occupational Therapy (NBCOT). Graduates must initially pass the NBCOT exam before practicing as an occupational therapist in the United States. After successful completion of this exam, the individual will be an Occupational Therapist, Registered (OTR). The NBCOT requires all programs to print the following statement:

A felony conviction may affect a graduate's ability to sit for the NBCOT certification examination or attain state licensure. Most states require licensure in order to practice; however, state licenses are usually based on the results of the NBCOT Certification Exam. AOTA requires that all OT students complete Level II Fieldwork within 24 months following completion of academic preparation.

Closure of the Baccalaureate Degree in Occupational Therapy

In accordance with the American Occupational Therapy Association (AOTA) mandate that all certification for entry into the profession occur at the post-baccalaureate level by January 2007, the Occupational Therapy Program at Eastern Washington University has closed the baccalaureate program in occupational therapy. Undergraduate students are no longer being accepted; however, undergraduate students may enter the combined bachelor's program described below that leads to eligibility for the Master's in Occupational Therapy. The Occupational Therapy program also accepts transfer students.

Certification Deadline for Bachelor of Science (BS) in Occupation Therapy

Candidates applying for certification as an OCCUPATIONAL THERAPIST REGISTERED OTR® on or before December 31, 2006, with a bachelors' degree in Occupational Therapy must:

1. Have successfully completed an accredited* occupational therapy professional program recognized by NBCOT
 2. Have been awarded and verified that their degree in Occupational Therapy is complete on or before December 31, 2006
 3. Have completed all fieldwork requirements
 4. Have agreed to abide by the NBCOT Candidate/Certificant Code of Conduct
- Approved candidates who graduated with a bachelor's degree in Occupational Therapy must complete the certification examination by December 31, 2007.
 - If a candidate is unsuccessful on his initial certification examination attempt or subsequent attempts by December 31, 2007, the candidate must complete the new eligibility requirements for candidates applying for their initial certification after January 1, 2007.

Candidates applying for certification as an OCCUPATIONAL THERAPIST REGISTERED OTR® after January 1, 2007, must:

1. Have successfully completed and graduated from a post-baccalaureate accredited* occupational therapy professional program recognized by NBCOT
2. Have completed all fieldwork requirements
3. Have agreed to abide by the NBCOT Candidate/Certificant Code of Conduct

*The Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association

General Admissions Requirements: Eastern provides two methods for students seeking entry into the profession of occupational therapy: 1) Combined Bachelor Arts (BA) in Interdisciplinary Studies with the Master of Occupational Therapy (MOT) or 2) Completed bachelor's degree in any discipline ready to pursue graduate studies immediately. They are each described below.

Combined Bachelor Arts (BA) in Interdisciplinary Studies with the Master of Occupational Therapy (MOT)

This program will allow a student to complete the requirements for an undergraduate degree while enrolled in courses required for the first year of the professional occupational therapy program. The student begins the Occupational Therapy Track in the senior year, earns a Bachelor of Arts in Interdisciplinary Studies and applies to the Advanced Standing MOT Program, which can be completed over the next one and one half years. This program will introduce occupational therapy to undergraduate students early in their career development.

Admission to the BA in Interdisciplinary Studies Occupational Therapy Track:

The student first meets with the Chair of the Occupational Therapy Department for review of prerequisites and course of study. The student is then referred to the Director of Interdisciplinary Studies for formal application. Students interested in this option are encouraged to be advised by the Department of Occupational Therapy during the sophomore year and no later than the spring of the junior year. During the first three years of the Interdisciplinary Studies with an emphasis in Occupational Therapy, the student develops a course of study to address his or her interests as well as meet university and interdisciplinary studies' major requirements. Additionally, during this time, the student fulfills the prerequisite requirements for the Advanced Standing MOT.

Admission into the Occupational Therapy Track is offered only one time per year with students beginning the program in the summer quarter. The Interdisciplinary Studies with an emphasis in Occupational Therapy is a lock-step four quarter sequence. Students are required to enroll on a full time basis. A personal interview may be required for admittance into the Occupational Therapy Track. The deadline for applications is in the February 1 prior to the expected summer quarter admittance. The Department Admission Committee will review and evaluate all applicants' admission materials and prerequisites. Check with the department for exact admission deadlines (509) 368-6560.

Students interested in the Combined Interdisciplinary Studies with the Master of Occupational Therapy should contact Greg Wintz, Chair, Department of Occupational Therapy, Eastern Washington University, 310 N Riverpoint Blvd, Box R, Room 225 C, Spokane WA 99202-1675 or call (509) 368-6560 or contact Carrie.Walker@mail.ewu.edu

Students who require advising in the Interdisciplinary Studies program must contact John Neace, Director, Interdisciplinary Studies, 213 Hargreaves Hall, Cheney, WA, 99004-2414, or call (509) 359-6524 or e-mail jneace@mail.ewu.edu.

Occupational Therapy Track Admission Criteria

- Completion of 122 or more undergraduate credits and all GEGRs
- Completion of all prerequisite courses for application to the Occupational Therapy Track. All of the following courses must be completed prior to admission into the Occupational Therapy Track. Numbers in parentheses indicate the number of quarter credits required.

Occupational Therapy Track Prerequisites:

- Chemistry: Any college-level course (5)
- English Composition or Technical Writing (200-level or above) (5)
- Human Anatomy (200-level or above) (5)¹
- Human Physiology (200-level or above) (5)¹
- Introduction to Occupational Therapy (2)²
- Medical Terminology (1)³
- Psychology 100 General (or Human) Psychology (5)
- Abnormal Psychology (200-level or above) (5)
- Human Development through the Life Span (200-level or above) (4-5)
- Statistics (5)

¹If the full A&P series (BIOL 232, 233, and 234) is completed at EWU, the medical terminology prerequisite is waived. The full A&P series is recommended if attending EWU.

²It is highly recommended that students take Introduction to OT at EWU (offered winter quarter and online every quarter.). However, if this is not possible, the course is available online. Contact EWU Independent Learning at (509) 359-2268 or website: il.ewu.edu

³Medical terminology can be taken at EWU. The course is HLED 256.

Other:

- **Public Speaking** - Candidates are expected to be proficient in public speaking.
- **Computer Competency** - Candidates are expected to be proficient with and have access to a computer.
- **Students are required to have an e-mail address during the program.**

Additional Requirements: The admission process to the Interdisciplinary Studies with an emphasis in Occupational Therapy is highly competitive. The requirements listed below are the minimum acceptable requirements to apply to the program and are not indicative of the competitive range of students generally accepted into the program. The following must be completed prior to admission into the program:

1. Minimum cumulative GPA of 3.0 of the last 60 graded quarter hours.
2. Minimum cumulative GPA of 3.0 of all prerequisite courses with no course under a 2.5 GPA.
3. Complete the prerequisite courses listed.
4. Complete a minimum of 40 hours work/observation/volunteer experience with persons who have disabilities. Ten of the 40 hours must be in at least two different types of practice settings (e.g., acute care institutions, rehabilitation centers, pediatric centers, residential facilities, nursing homes, schools or mental health settings) under the supervision of a licensed occupational therapist.
5. Three letters of recommendation. A letter of recommendation must come from the supervising occupational therapist of the volunteer experience.
6. Interviews may be required as a part of the application process. Interview invitations are extended only to applicants who demonstrate competitive academic proficiency and satisfactory progress in all other areas of the application.
7. Written Essays.

Deadline: February 1 for summer enrollment to the Occupational Therapy Track.

During the senior year, the student begins a series of required courses listed below.

Students enrolled in the Occupational Therapy Track must complete the following courses in the MOT curriculum towards completion of a BA in Interdisciplinary Studies, Occupational Therapy track.

Note: A student may elect to discontinue the Occupational Therapy Track and decide not to pursue the Master of Occupational Therapy. The student may complete the remaining 180 credits towards graduation in courses outside the occupational therapy curriculum and meet the graduation requirements for a Bachelor of Arts in Interdisciplinary Studies.

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Schedule of Courses and Credit Hours for Occupational Therapy Track

Senior Year

Summer Quarter

OCTH 501 Cadaver Anatomy for Occupational Therapy (6)
OCTH 502 Occupational Performance and Movement (4)

Total credit hours

10 credits

Fall Quarter

OCTH 503 Applied Neurology for Occupational Therapy (5)
OCTH 504 Foundations of Occupational Therapy (5)
OCTH 505 Human Disease and Occupational Therapy (5)
OCTH 520/PHTH 540 Principles of Evidence Based Practice I (1)

Total credit hours

16 credits

Winter Quarter

OCTH 506 Occupational Performance Through the Life Span (5)
 OCTH 507 Analysis of Occupational Performance I (2)
 OCTH 509 Theory and Practice in Occupational Therapy (4)
 OCTH 510 Group Process (3)
 OCTH 521 Survey of Research Methods in Occupational Therapy (2)

Total credit hours **16 credits**

Spring Quarter

OCTH 508 Analysis of Occupational Performance II (4)
 OCTH 522 Fundamentals of Occupational Therapy Research (4)
 OCTH 523 Evaluation and Assessment of Occupational Performance (2)
 OCTH 530 Occupational Performance and Mental Health (6)

Total credit hours **16 credits**

Interdisciplinary Studies, Occupational Therapy Track 58 credits
Interdisciplinary Program, Second Area **20 credits**
Program total credit hours **180 credits**

Advanced Standing Master of Occupational Therapy:

This program allows qualified students who have graduated in Interdisciplinary Studies with an Occupation Therapy emphasis to complete the MOT in one and one half years (73 credits).

Advanced Standing Master of Occupational Therapy Admission Criteria

- Prior to February 1, students apply to the Advance Standing Master of Occupational Therapy Program (see Master of Occupational Therapy admission requirements).
- The following must be completed prior to admission into the Advanced Standing in the Master of Occupational Therapy Program.
- Successful completion of the Interdisciplinary Studies Degree or equivalent (completed by Aug 30th of the application year).
- Students must demonstrate a 3.0 college cumulative GPA.
- Students must demonstrate a 3.0 cumulative college GPA in all prerequisite sciences and Occupational Therapy courses.
- Admission to Graduate Studies at Eastern Washington University. EWU Graduate Studies is located at 206 Showalter Hall, Cheney WA 99004 (509-359-6297).
- Graduate Records Examination (completed by February 1st of the application year) Test version must be October 2002 or later. Successful candidates are expected to perform a score greater than three on the written section of the examination.

Schedule of Courses and Credit Hours for Advanced Standing Master's of Occupational Therapy**Fall Quarter**

OCTH 511 Leadership in Occupational Therapy (2)
 OCTH 531 Occupational Therapy and Children (6)
 OCTH 540 Health Wellness and Occupational Therapy (6)
 OCTH 601 Occupational Therapy Research Project I (2)

Total credit hours **16 credits**

Winter Quarter

OCTH 532 Occupational Therapy in Adolescence and Adults (6)
 OCTH 541 Technology and Occupational Therapy (5)
 OCTH 543 Emerging Practice I (4)
 OCTH 602 Occupational Therapy Research Project II (1)

Total credit hours **16 credits**

Spring Quarter

OCTH 512 Fieldwork II Seminar (2)
 OCTH 533 Occupational Therapy and Older Adults (6)
 OCTH 542 Administration and Organization in Occupational Therapy (4)
 OCTH 544 Emerging Practice II (4)
 OCTH 603 Occupational Therapy Research Project III (1)

Total credit hours **17 credits**

Students must successfully complete all academic course work prior to Fieldwork II

Second Year**Summer, Fall, Winter, Spring Quarters**

OCTH 695 Occupational Therapy Fieldwork Level II Education (12)

Total credit hours **24 credits minimum**
Program total credit hours **73 credits**

Admissions to the Master of Occupational Therapy (MOT) with a Bachelor Degree:

Entry-Level Master's Admission Requirements

To be admitted to the Entry-Level Master's of Occupational Therapy Program, applicants must first meet all requirements for admission to the Graduate School as outlined elsewhere in this catalog. Additional prerequisites include:

Prerequisites:

All of the following courses must be completed prior to admission into the Entry-Level Master of Occupational Therapy Program. Numbers in parentheses indicate the number of quarter credits required.

- Chemistry: Any college-level course (5)
- English Composition or Technical Writing (200-level or above) (5)
- Human Anatomy (200-level or above) (5)¹
- Human Physiology (200-level or above) (5)¹
- Introduction to Occupational Therapy (2)²
- Medical Terminology (1)³
- PSYC 100 General (or Human) Psychology (5)
- Abnormal Psychology (200-level or above) (5)
- Human Development through the Life Span (200-level or above) (4-5)
- Statistics (5)

¹If the full A&P series (BIOL 232, 233 and 234) is completed at EWU, the medical terminology prerequisite is waived. The full A&P series is recommended if attending EWU.

²It is highly recommended that students take Introduction to OT at EWU (offered winter quarter and online every quarter). However, if this is not possible, the course is available online. Contact EWU Independent Learning at (509) 359-2268 or website: il.ewu.edu

³Medical terminology can also be taken at EWU. The course is HLED 256.

Other:

Public Speaking - Candidates are expected to be proficient in public speaking.

Computer Competency - Candidates are expected to be proficient in computer skills. If this is an area needing skill building, the candidate is advised to pursue appropriate training experiences.

Additional Requirements: The admission process to the Entry-Level Master of Occupational Therapy Program is highly competitive. The requirements listed below are the minimum acceptable requirements to apply to the program and are not indicative of the competitive range of students generally accepted into the program. The following must be completed prior to admission into the program:

1. Qualify and apply for acceptance into studies at Eastern Washington University Graduate Studies. (EWU Graduate Studies Office, 206 Showalter Hall, Cheney, WA 99004 (509) 359-6297).
2. Complete a baccalaureate degree from an accredited institution by June 15 of the year of application.
3. Complete the Graduate Record Examination (GRE) by February 1 of the year of application. Test version must be October 2002 or later. Successful candidates are expected to perform a score greater than three (3) on the written section of the examination.
4. Complete the prerequisite courses listed.
5. Complete a baccalaureate degree with a minimum GPA of 3.0 in the last 90 graded quarter hours or 60 semester hours and a minimum GPA in prerequisite science courses of 3.0.

6. Complete a minimum of 40 hours work/observation/volunteer. Experience with persons who have disabilities. Ten of the 40 hours must be in at least **two** different types of practice settings (e.g., acute care institutions, rehabilitation centers, pediatric centers, residential facilities, nursing homes, schools or mental health settings) under the supervision of a licensed occupational therapist.
7. Three letters of recommendation. A letter of recommendation must come from the supervising occupational therapist of the volunteer experience.
8. Written Essays.

Candidacy:

To be advanced to Master's Degree Candidacy, graduate students in the *Master of Occupational Therapy Degree* (MOT) Program must have met the following requirements:

- Submitted the Application of Degree Candidacy form to the Graduate Studies Office, specifying the *Master in Occupational Therapy Degree* Program approved by the Department of Occupational Therapy.
- Completed the first quarter of the MOT Program's courses with a **3.0 minimum GPA in all courses**.
- Removed any/all deficiencies regarding graduate requirements.
- Met with OT graduate advisor to confirm the required course of study as well as requirements for advancing candidacy and graduation.
- Received approval for advancement to candidacy from the Dean of Graduate Studies or the Dean's designee.

Final Comprehensive Examination

The final comprehensive examination for the *Master of Occupational Therapy (MOT) Degree* includes a research seminar and oral defense of the master's research project presented to the department and graduate committee. Immediately following the oral defense of the research project, the student is given an oral examination administered by the student's committee which is composed of 2–3 departmental faculty members and a faculty member appointed by the Graduate Office. The focus of the examination is the student's research although general questions related to the occupational therapy profession and practice will be asked during the examination. Successful completion of the comprehensive examination is required before enrollment in OCTH 695.

Schedule of Courses and Credit Hours for Master's Program

First Year

Summer Quarter

- OCTH 501 Cadaver Anatomy for Occupational Therapy (6)
- OCTH 502 Occupational Performance and Movement (4)

Total credit hours

10 credits

Fall Quarter

- OCTH 503 Applied Neurology for Occupational Therapy (5)
- OCTH 504 Foundations of Occupational Therapy (5)
- OCTH 505 Human Disease and Occupational Therapy (5)
- OCTH 520/PHTH 540 Principles of Evidence Based Practice I (1)

Total credit hours

16 credits

Winter Quarter

- OCTH 506 Occupational Performance Through the Life Span (5)
- OCTH 507 Analysis of Occupational Performance I (2)
- OCTH 509 Theory and Practice in Occupational Therapy (4)
- OCTH 510 Group Process (3)
- OCTH 521 Survey of Research Methods in Occupational Therapy (2)

Total credit hours

16 credits

Spring Quarter

- OCTH 508 Analysis of Occupational Performance II (4)
- OCTH 522 Fundamentals of Occupational Therapy Research (4)
- OCTH 523 Evaluation and Assessment of Occupational Performance (2)
- OCTH 530 Occupational Performance and Mental Health (6)

Total credit hours

16 credits

Second Year

Fall Quarter

- OCTH 511 Leadership in Occupational Therapy (2)
- OCTH 531 Occupational Performance and Children (6)
- OCTH 540 Health Wellness and Occupational Therapy (6)
- OCTH 601 Occupational Therapy Research Project I (2)

Total credit hours

16 credits

Winter Quarter

- OCTH 532 Occupational Performance in Adolescence and Adults (6)
- OCTH 541 Technology and Occupational Performance (5)
- OCTH 543 Emerging Practice I (4)
- OCTH 602 Occupational Therapy Research Project II (1)

Total credit hours

16 credits

Spring Quarter

- OCTH 512 Fieldwork II Seminar (2)
- OCTH 533 Occupational Performance and Older Adults (6)
- OCTH 542 Administration and Organization in Occupational Therapy (4)
- OCTH 544 Emerging Practice II (4)
- OCTH 603 Occupational Therapy Research Project III (1)

Total credit hours

17 credits

Students must successfully complete all course work prior to Fieldwork II

Summer, Fall, Winter, Spring Quarters

- OCTH 695 Occupational Therapy Fieldwork Level II Education (12)

Total credit hours

24 credits minimum

Program total credit hours

131 credits

Occupational Therapy Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

OCTH 101

Introduction to Occupational Therapy (2)

This course is to provide an overview of occupation, the practice of occupational therapy, disability awareness and community supports for individuals with disabilities. The students will become aware of the diversity of occupational therapy practice, practice environments and occupational therapy practitioners.

Note: All courses listed below require admittance into the Professional Occupational Therapy Program as a prerequisite.

OCTH 495

Occupational Therapy Fieldwork

Level II (6-12)

Graded Pass/No Credit.

This is a full-time internship experience at a clinical and/or community site for treatment of physical dysfunction and/or behavioral health disorders. The supervised student will provide occupational therapy services in acute care, rehabilitation, pediatric, mental health and/or community-based settings. The student must complete 24 credits to fulfill department requirements.

OCTH 499

Directed Study (1-2)

This course provides the student with a self-selected study experience under the guidance of a preceptor to demonstrate knowledge and/or skills that will enhance the students' understanding of occupational therapy and occupational performance and provide additional experiences in building life-long learning skills.

All graduate courses in occupational therapy are restricted to students accepted into the MOT program on a full-time basis or into the BA Interdisciplinary Studies with an emphasis in Occupational Therapy. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

OCTH 501

Cadaver Anatomy for Occupational Therapy (6)

Prerequisite: Admission to the MOT program.

This course is an intensive review of human anatomy and physiology as it pertains to the practice of occupational therapy. It is designed to provide the student with an opportunity to learn anatomical structures and the functional relationships of these structures to each other. Cadaver dissection is a critical component of all labs.

OCTH 502

Occupational Performance and Movement (4)

Prerequisite: Admission to the MOT program.

This course is an overview study of human movement in a person/environment context. The study of the normal structure and function of the musculoskeletal system is seen as a prerequisite to the application of assessment procedures and therapeutic interventions in occupational therapy. Incorporation of clinical problems and pathokinesiology are involved. The lab portion of the class trains students in the basic principles and application of manual muscle testing and goniometry.

OCTH 503

Applied Neurology for Occupational Therapy (5)

Prerequisite: Admission to the MOT program and successful completion of all course work in the professional curriculum to this point.

This course is an overview of the neurological function and process in the human body. Normal neurologic development throughout the life span will be the primary focus. Application of knowledge concerning neurological process and occupational performance will be emphasized.

OCTH 504

Foundations of Occupational Therapy (5)

Prerequisite: Admission to the MOT program and successful completion of all course work in the professional curriculum to this point.

This course is an overview of the founding principles of occupational therapy practice as well as the development of foundational skills concerning cultural competence as a health care practitioner. The occupational performance of individuals across the life span within a multicultural context will be emphasized. Likewise, the role of theory in the understanding of practice frames of reference and standards of the profession will be closely examined and applied. Additionally, the history of the profession, clinical reasoning strategies, professional ethics, and sociocultural and political impacts on the profession will all be explored.

OCTH 505

Human Disease and Occupational Therapy (5)

Prerequisite: Admission to the MOT program and successful completion of all course work in the professional curriculum to this point.

This course provides an overview of human disease and injury processes occurring throughout the life-span. The etiology, course, prognosis, treatment and management of each condition will be explored. The content of course material will be investigated within the framework of human occupation emphasizing the impact of disease and injury on occupational performance and quality of life.

OCTH 506

Occupational Performance Through the Life Span (5)

Prerequisite: Admission to the MOT program and successful completion of all course work in the professional curriculum to this point.

This course provides knowledge about the human experience in the domains of occupational therapy practice throughout the life span. Focus is on analysis of occupation, occupational performance, all life stages, and the influences of performance context, spirituality and culture on human behavior.

OCTH 507

Analysis of Occupational Performance I (2)

Prerequisite: Admission to the MOT program and successful completion of all course work in the professional curriculum to this point.

This course is the first of a two part series, OCTH 507: *Analysis of Occupational Performance I* and OCTH 508: *Analysis of Occupational Performance II*. The analysis I course will provide the learner with opportunities to develop a foundation of knowledge and skills for the evaluation of occupational performance through the process of activity analysis. Students will gain and demonstrate fundamental assessment skills for human activity that incorporates the contribution of performance skills, patterns, context, activity demands and client factors.

OCTH 508

Analysis of Occupational Performance II (4)

Prerequisite: Admission to the MOT program and successful completion of all course work in the professional curriculum to this point.

This course will provide the learner with opportunities to develop advanced knowledge and skills for the in-depth evaluation and analysis of occupational performance through the process of activity analysis. The relationship between the assessment of occupational performance and the conceptualization of grading and adapting occupations will be critically examined.

OCTH 509

Theory and Practice in Occupational Therapy (4)

Prerequisite: Admission to the MOT program and successful completion of all course work in the professional curriculum to this point.

This course builds upon the knowledge and concepts presented in OCTH 504: *Foundations of Occupational Therapy* by providing opportunities to understand the historical evolution of occupational therapy's philosophical basis and the contributions of the theories within the profession. Students will learn the process of theory development and complete an in-depth analysis of core concepts, theories, models and frames of reference for application in occupational therapy practice. Finally, the course will explore the application and importance of occupational therapy theory and frames of reference to the research process and the advancement of the profession.

OCTH 510

Group Process (3)

Prerequisite: Admission to the MOT program and successful completion of all course work in the professional curriculum to this point.

This course focuses on several advanced skills of professional communication and behaviors. Emphasis is on, a) interviewing, b) group process, c) intercultural communication, d) teaming and collaboration with families, clients and other health care providers and e) a reflective evaluation process used for building interpersonal communication skills. Advanced professional communication skills are necessary tools for emerging and traditional practice arenas in occupational therapy.

OCTH 511

Leadership in Occupational Therapy (2)

Prerequisite: Admission to the MOT program and successful completion of all course work in the professional curriculum to this point.

This course focuses on leadership within the profession of occupational therapy. The course will provide a foundation for understanding leadership theories, strategies and styles. Opportunities will be offered learners to analyze and create a personal leadership mission and to examine the diverse requirements for leadership within the profession. Leaders within the field of occupational therapy will be identified and critically debated. Additionally, the class will examine other opportunities for leadership for occupational therapy practitioners in association with OCTH 532. This course also continues to support your professional behavior development from the previous seminar of courses.

OCTH 512**Fieldwork II Seminar (2)**

Prerequisite: Admission to the MOT program and successful completion of all course work in the professional curriculum to this point.

This course will focus on preparation for the transition from classroom to Fieldwork Level II (FW II) experiences. Students will have the opportunity to identify and analyze the Level II fieldwork expectations, explore the supervisory and interdisciplinary team relationships, review professional and ethical behavior, develop a Level II Fieldwork Portfolio, review AOTA, NBCOT and the State of Washington licensure requirements and begin preparation for job searches.

OCTH 520**Principles of Evidence Based Practice I (1)**

Graded Pass/No Credit.

Prerequisite: Admission to the MOT program and successful completion of all course work in the professional curriculum to this point.

This is the first of three courses designed to introduce the student to evidence based practice and the process of critical inquiry. This course will be offered in an interdisciplinary format with the Department of Physical Therapy. These courses will prepare the student to become a knowledgeable consumer of research and the professional literature as it relates to the practice of occupational therapy. In this course the student will develop competence in identifying, locating, retrieving, understanding and applying the principles of research to the practice of occupational therapy. (Cross-listed PHTH 540)

OCTH 521**Survey of Research Methods in Occupational Therapy (2)**

Prerequisite: Admission to the MOT program and successful completion of all course work in the professional curriculum to this point.

This is the second of a three-courses series designed to introduce the student to evidence based practice and the process of critical inquiry regarding a broad spectrum of research methodologies including quantitative, qualitative, ethnographic and phenomenological approaches. This course will prepare the student to be a knowledgeable consumer of research and the professional literature as it relates to the practice of occupational therapy. In this course, the student will develop competence in critiquing and applying various research methods and designs to the application of evidence based practice in occupational therapy.

OCTH 522**Fundamentals of Occupational Therapy Research (4)**

[satisfies senior capstone university graduation requirement for students pursuing the Interdisciplinary BA Occupational Therapy Track.]

Prerequisite: Admission to the MOT program and successful completion of all course work in the professional curriculum to this point.

This course provides the learner with an overview of the research production process. Specific areas of focus include analyzing current professional research, developing research topics, designing research projects, synthesizing information in order to develop a sound research proposal and comprehending the institutional review process. Students will develop skills in providing and receiving research and writing feedback, using various library and search resources in a focused, hands-on manner and will engage in the writing-rewriting process essential to the research process.

OCTH 523**Evaluation and Assessment of Occupational Performance (2)**

Prerequisite: Admission to the MOT program and successful completion of all course work in the professional curriculum to this point.

This course will provide the learner with the opportunity to identify, evaluate and critically analyze the psychometric properties and application of the most commonly used evaluation and assessment tools by practitioners in the profession of occupational therapy. The course offers learners with information and experiences in analyzing the assessment need, critical selection of appropriate evaluation tools to address the assessment need, pragmatic application of the tools on a human subject, interpretation of data and conceptualizing the development of intervention goals based on the evaluation results.

OCTH 530**Occupational Performance and Mental Health (6)**

Prerequisite: Admission to the MOT program and successful completion of all course work in the professional curriculum to this point.

This course provides the learner with foundational skills in the evaluation, analysis and critical intervention planning critical to effective occupational therapy service provision for children, adolescents and adults with mental illness. This course will focus on the provision of occupational therapy services to clients with mental illness.

OCTH 531**Occupational Performance and Children (6)**

Prerequisite: Admission to the MOT program and successful completion of all course work in the professional curriculum to this point.

This course provides the learner with theories, knowledge and application opportunities related to evaluation, analysis and intervention planning for children with special needs in a variety of pediatric occupational therapy practice settings. The course will focus on the provision of occupational therapy services with children. Fieldwork Level I experiences are included in the course proceedings as well as advanced practice labs.

OCTH 532**Occupational Performance in Adolescence and Adults (6)**

Prerequisite: Admission to the MOT program and successful completion of all course work in the professional curriculum to this point.

This course provides the learner with the knowledge and skills for assessment, intervention planning, provision of intervention and outcome analysis related to adolescence and adulthood dysfunction in occupational performance. The course will focus on the provision of occupational therapy services with older adolescents and adults approximately 18–60 years of age.

OCTH 533**Occupational Performance and Older Adults (6)**

Prerequisite: Admission to the MOT program and successful completion of all course work in the professional curriculum to this point.

This course is designed to provide the learner with an understanding of the theoretical basis and practice skills applied in the occupational therapy assessment/evaluation, intervention and consultation for persons who are aging. The course will address multiple topics related to aging including: 1) a review of the physiological and psychological aspects of typical aging and the relationship to occupational performance, 2) the development of occupational therapy evaluation and intervention skills for common health conditions affecting functional performance in the aging population and 3) current and emerging issues in occupational therapy geriatric practice.

OCTH 540**Health Wellness and Occupational Therapy (6)**

Prerequisite: Admission to the MOT program and successful completion of all course work in the professional curriculum to this point.

This course provides an overview of occupational performance within a health promotion and disease prevention framework. Health promotion and disease prevention concepts will be discussed in relationship to a broad perspective of health and the profession of occupational therapy. Selected theoretical concepts and health promotion models will be presented and discussed. Additionally, the organization, function and programs of various health and human service organizations will be researched, analyzed and evaluated.

OCTH 541**Technology and Occupational Performance (5)**

Prerequisite: Admission to the MOT program and successful completion of all course work in the professional curriculum to this point.

This course is designed as a vehicle to help occupational therapy students integrate previous learning by providing opportunities for occupational assessments, needs identification and the selection and design of both high and low technology devices to maximize client independence in their occupational performance areas. Additionally, the course is designed to incorporate an interdisciplinary experience with senior students from the Department of Engineering and Design when creating products and providing technology services to consumers.

OCTH 542**Administration and Organization in Occupational Therapy (4)**

Prerequisite: Admission to the MOT program and successful completion of all course work in the professional curriculum to this point.

This course covers topical areas related to the development, administration and management of occupational therapy services in both traditional and emerging areas of practice. Issues such as quality management, ethics, fiscal and resource management, organizational behavior and marketing will be discussed. The course will explore the provision of services within a managed care environment. The development of supervisory and program development skills will be included. This course is designed to prepare the student for a leadership role within the profession of occupational therapy.

OCTH 543**Emerging Practice I (4)**

Prerequisite: Admission to the MOT program and successful completion of all course work in the professional curriculum to this point.

This course provides foundational concepts, knowledge and skills for emerging practices within the profession of occupational therapy. This course is the first in a series of two focusing on emerging practice within the program. The course content is organized into four units: 1) theoretical frameworks for the provision of occupational therapy services in role-emerging sites; 2) context and service environments that underlie the provision of client-center services at role emerging sites including community supports and services; 3) methods for conducting an occupational performance needs assessment and community assessment for the development of occupational therapy services at emerging practice sites; and 4) discussion concerning selected emerging practice roles for occupational therapists as identified by the American Occupational Therapy Association.

OCTH 544**Emerging Practice II (4)**

Prerequisite: Admission to the MOT program and successful completion of all course work in the professional curriculum to this point.

This is the second course in a series designed to explore emerging practices within the profession of occupational therapy. The course is organized into two units, 1) the exploration and development of specific roles for the provision of services in emerging or undeveloped sites building on the theoretical and contextual concepts discussed in OCTH 543: *Emerging Practice I*; and 2) the theme of the occupational therapist as an entrepreneur in current and emerging practice environments. Learners will explore the mechanisms for funding the development and provision of occupational therapy services in emerging sites including the role of grant writing. The components of entrepreneurship and related business skills for developing occupational therapy services within an agency, community or private practice context will be presented in collaboration with the EWU Center for Entrepreneurial Activities.

OCTH 601**Occupational Therapy Research****Project I (2)**

Graded Pass/No Credit.

Prerequisite: Admission to the MOT program and successful completion of all course work in the professional curriculum to this point.

This is the first in a series of three small-group research project courses in which student research groups, established in OCTH 522: *Fundamentals of Occupational Therapy Research*, will conduct the data gathering of their research project. Data collection will be in direct relationship to the research proposals developed in the Fundamentals of Occupational Therapy Research course. Student groups and individuals will be guided by the chair of their master's degree committee.

OCTH 602**Occupational Therapy Research****Project II (1)**

Graded Pass/No Credit.

Prerequisite: Admission to the MOT program and successful completion of all course work in the professional curriculum to this point.

This is the second course in a series of three small group research projects in which the student research groups, established in OCTH 522: *Fundamentals of Occupational Therapy Research*, will analyze the data collected in OCTH 601 and synthesize the results into the results section of their research project report.

OCTH 603**Occupational Therapy Research****Project III (1)**

Graded Pass/No Credit.

Prerequisite: Admission to the MOT program and successful completion of all course work in the professional curriculum to this point.

This is the third in a series of research project courses in which small groups of students are completing their research proposals established in OCTH 522: *Fundamentals of Occupational Therapy Research*. Students will write their study's results using APA guidelines and seek final approval for the project from their master's degree committee. Likewise, group members will prepare presentation formats for their oral comprehensive examinations. Students will be encouraged to present their research findings at the EWU spring Student Research and Creative Works Symposium (optional).

OCTH 695**Occupational Therapy Fieldwork Level II Education (6 or 12)**

Graded Pass/No Credit.

Prerequisite: Admission to the MOT program and successful completion of all course work in the professional curriculum to this point.

This experience is done either on a part-time (20 hours per week for 12 months) or full-time basis (40 hours per week for six months). The advanced internship experience is conducted at a clinical and/or community site in which treatment for persons of all ages with physical dysfunction, behavioral and/or mental health disorders affecting occupational performance occurs. The student must complete two quarters (24 weeks or 960 hours) of Fieldwork Level II within 24 months of completing their professional OT academic program before graduating. The student may elect to enroll in one or two additional quarters of FW II for further experience in an area of special interest. Upon successful completion of the required FW II experience, and graduation with a Master of Occupational Therapy Degree (MOT), the student will be eligible to sit for the National Certification Examination for the Occupational Therapist administered by the National Board for Certification in Occupational Therapy (NBCOT). Graduates must initially pass the NBCOT exam before practicing as an occupational therapist in the United States. Most states require licensure in order to practice; however, state licenses are usually based on the results of the NBCOT Certification Examination. A felony conviction may affect a graduate's ability to sit for the NBCOT Certification Examination or attain state licensure.



OPERATIONS MANAGEMENT

See BUSINESS ADMINISTRATION.

PHILOSOPHY

College of Arts and Letters
Terrance MacMullan, Director
350F Patterson Hall
(509) 359-7064

BA (in Interdisciplinary Studies with an Option in Philosophical Studies)

Minor

Faculty: K. Decker; T. MacMullan, M. Marinucci, S. Scott

UNDERGRADUATE PROGRAM

The Philosophy Department offers three instructional services (1) general interest courses which deal with our philosophical heritage and contemporary thought, (2) a minor in philosophy which encompasses some principal concerns of the discipline and (3) a BA in Interdisciplinary Studies (ITDS) with an option in Philosophical Studies that combines intermediate and advanced classes in logic and the history of philosophy with selected offerings from cooperating programs.

The skills learned in philosophy are useful in all academic areas. Immanuel Kant, for example, noted that philosophy teaches us to think for ourselves, so that we do not passively receive what we are told; it teaches us to put ourselves imaginatively in the place of everyone else, so that we occupy the standpoint of universal humanity; and, above all, it teaches us to think consistently. Study of philosophy contributes to a broad, liberal arts education which is valued either for its own sake or as a preparation for a career in some related professional, social or humanistic discipline. As an American Philosophical Association pamphlet notes, employees in the business community, "want and reward many of the capacities which the study of philosophy develops: for instance, the ability to solve problems, to communicate, to organize ideas and issues, to assess pros and cons and to boil down complex data. These capacities represent transferable skills." Logical skills are especially beneficial in conceptual professions like accounting and law.

Required courses in the following program of study may have prerequisites. Reference course descriptions section for clarification.

Bachelor of Arts (BA)

Interdisciplinary Studies: Philosophical Studies (60 credits)

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses

PHIL 301 Introduction to Formal Logic (5)
PHIL 320 History of Ancient Western Philosophy (5)
PHIL 321 History of Modern Western Philosophy (5)
PHIL 322 History of Contemporary Western Philosophy (5)

Students must also complete at least two 400 level philosophy classes that are listed in the catalog. These two classes must combine for at least 10 credits.

Capstone Requirement

All students must complete either ITGS 400 or any Senior Capstone class with their advisor's approval.

Interdisciplinary Stream Electives

Students must complete at least 26–30 additional upper division credits from the classes designated in their respective stream. Students may count relevant classes not listed in the streams, including transfer credits, with their advisor's approval. The courses in each of the three streams are listed below.

Required philosophy credits

Required senior capstone credits

Elective credits

Minimum credits for above major

30 credits

4–5 credits

26–30 credits

60 credits

Stream #1: Political Philosophy

This stream concentrates on political philosophy and related topics. Political philosophy examines the nature of moral value, normativity and justice from practical and historical contexts. Political philosophers also evaluate classical and contemporary political institutions and suggest ways of improving the political life of our society. Students enrolled in this stream will study both the theory and practice of classical and contemporary politics.

ECON 415 History of Economic Thought (5)
ECON 417 Political Economy (5)
ECON 424 Economics of Poverty and Discrimination (5)
GOVT 300 Law and Legal (5)
GOVT 304 Equality, Discrimination and the Law (5)
GOVT 305 Jurisprudence (5)
GOVT 308 The American Polity (5)
GOVT 313 Classical Political Thought (5)
GOVT 314 Modern Political Thought (5)
GOVT 315 Theoretical Problems of Modern Politics (5)
GOVT 317 American Political Thought (5)
GOVT 351 Reason in Public Policy (4)
GOVT 401 Topics in Political Theory (5)
HIST 301 History of the Present (5)
HIST 303 US History, 1607–1877 (5)
HIST 304 US History, 1887–Present (5)
HIST 305 Paths to the American Present (5)
HIST 306 Modern Europe (5)
HIST 341 The Renaissance and Reformation (5)
HIST 343 Early Modern Europe (5)
HIST 350 War and Society (5)
HIST 382 20th Century Germany From World Wars to Cold War. Culture, Political Conflict and National Identity (5)
HIST 425 Greek History to 400 BC (5)
HIST 428 Roman Empire (5)
HIST 440 History of World War I (4)
HIST 441 History of World War II (4)
HIST 454 Diplomatic History of Europe, 1914 to Present (5)
HIST 468 History of Modern American Women (4)
HIST 471 The Era of the American Revolution, 1763–1789 (4)
HIST 481 History of American Foreign Relations from 1898 (5)
HIST 487 Economic History of the United States (5)
HIST 489 Labor History (5)
WMST 410 Feminist Theory (4)

Stream #2: Philosophy of Art and Literature

This stream concentrates on aesthetics which is the philosophical study of art, broadly construed, to include fine arts, performance arts and literature. Students enrolled in this stream will address questions like: What is art? What is beauty? How do we tell good art from bad art and can these judgments ever be objective? What is taste? What is the proper relationship between art and morality? Students of this subject will ground their inquiry in the study of particular art forms such as literature, film, theatre, music and painting.

AAST 301 Harlem Renaissance (5)
ART 310 World Art (5)
ART 311 African and African American Art History (5)
ART 409 Women and Men in Contemporary Art (1)
ART 415 History of Ancient Art (5)
ART 420 History of Renaissance Art (5)
ART 422 History of Baroque and Rococo Art (5)
ART 423 Art of the 19th Century (5)
ART 430 History of Modern Art (5)
ART 431 History of Contemporary Art (5)
ENGL 315 Topics in Literature and Culture (5)
ENGL 330 Survey of British Literature through Neo-classical Period (5)
ENGL 331 Survey of British Literature from Blake to the Present (5)
ENGL 332 Survey of American Literature (5)
ENGL 350 Shakespeare (5)
ENGL 360 Language Structure and Use (5)
ENGL 379 American Literature of Ethnic Minorities (5)
ENGL 380 Survey of Native American Literatures (5)
ENGL 381 Contemporary African American Literature (5)
ENGL 382 Studies in Epic Fantasy (5)
ENGL 384 Folklore (5)
ENGL 385 Mythology (5)
ENGL 387 Literature of the Bible (5)

ENGL 389 Women, Literature and Social Change (5)
 THTR 303 Survey of Theater History (5)

Stream #3: Philosophy and History

This stream investigates epistemological issues regarding the nature of historical truth, how present context and the narrative urge shape our understanding of the past and the diverse philosophical influences that have produced schools of historiographical thought. Students in this concentration address the meaning of historical progress, the theoretical basis for "new histories" of social affairs, of women and other oppressed groups, and philosophical explanations of both recurrence and change in history.

All 300 and 400 level classes in History are eligible for satisfying the electives of this stream. The following classes outside of History are also eligible:

ART 415 History of Ancient Art (5)
 ART 420 History of Renaissance Art (5)
 ART 422 History of Baroque and Rococo Art (5)
 ART 423 Art of the 19th Century (5)
 ART 430 History of Modern Art (5)

ART 431 History of Contemporary Art (5)
 ECON 417 Political Economy (5)
 ENGL 384 Folklore (5)
 ENGL 385 Mythology (5)
 ENGL 387 Literature of the Bible (5)
 ENGL 389 Women, Literature and Social Change (5)
 GOVT 313 Classical Political Thought (5)
 GOVT 314 Modern Political Thought (5)
 GOVT 315 Theoretical Problems of Modern Politics (5)
 GOVT 317 American Political Thought (5)
 THTR 303 Survey of Theater History (5)
 WMST 410 Feminist Theory (4)

Minor

Philosophy Minor (20 credits)

No more than 10 credits may be taken in 200-level philosophy courses.

Total credits for above minor

20 credits

Philosophy Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

PHIL 210

Critical Thinking (5)

FALL/WINTER/SPRING

[satisfies the GEGR for humanities and fine arts, list 3, philosophy and reasoning.]

Prerequisites: Successful completion of ENGL 101. Basic skills clearance in Mathematics.

Logic as a tool for the analysis of informal arguments. The course develops techniques for formalizing and testing arguments from everyday life.

PHIL 211

Introductory Philosophy (5)

FALL/WINTER/SPRING/SUMMER

[satisfies the GEGR for humanities and fine arts, list 3, philosophy and reasoning.]

Prerequisite: Successful completion of ENGL 101.

Some traditional problems about the nature of the world and human knowledge. Typical problems concern the existence of God, personal identity and free will, the relations of minds to bodies and of perception to the external world.

PHIL 212

Introductory Ethics (5)

FALL/WINTER/SPRING

[satisfies the GEGR for humanities and fine arts, list 3, philosophy and reasoning.]

Prerequisite: Successful completion of English 101.

An examination of the nature and content of morality. Two questions are central: Is morality based on knowledge or on emotion? Is there a rational motive to act morally?

PHIL 213

Moral Issues in America (5)

FALL/SPRING

[satisfies the GEGR for humanities and fine arts, list 3, philosophy and reasoning.]

Prerequisite: Successful completion of ENGL 101.

An introduction to normative moral issues in current thought and life. Typical problems concern social justice, the relation of work to a person's concept of himself, manipulation and indoctrination in a technological society, and relationships between social success and human flourishing.

PHIL 301

Introduction to Formal Logic (5)

ALTERNATIVE FALLS

Prerequisites: Successful completion of ENGL 101, and MATH 100 or Mathematics Clearance by Test. PHIL 210 suggested.

Logic as a formal deductive system. The course develops sentential logic and introduces predicate logic. It examines arguments typical of science and mathematics and covers some elementary metatheorems for sentential logic.

PHIL 311

Social and Political Philosophy (5)

Prerequisite: Successful completion of ENGL 101.

Major political theories and analysis of arguments that attempt to justify actual or proposed political and social institutions.

PHIL 312

Philosophy of Religion (5)

Prerequisite: Successful completion of ENGL 101.

Philosophical problems with religion and theology. Typical problems concern the existence of God, God's relation to evil, the immortality of the soul, the meaning of religious language and the criteria for theological verification.

PHIL 320

History of Ancient Western Philosophy (5)

FALL

Prerequisite: Successful completion of ENGL 101. The history of Greek philosophy from the first theories about the causes of the universe to the Socratic inquiry about how to live and to Plotinus' theory of the soul.

PHIL 321

History of Modern Western Philosophy (5)

WINTER

Prerequisite: Successful completion of ENGL 101. 16th–18th century European philosophy against the background of religion and science. The main theme is the relation of knowledge to reason and experience.

PHIL 322

History of Contemporary Western Philosophy (5)

SPRING

Prerequisite: Successful completion of ENGL 101. 20th century British and American philosophy. An examination of the logical and linguistic methods that have been called a revolution in philosophy.

PHIL 331

Chinese Philosophy (5)

Prerequisite: Successful completion of ENGL 101.

Confucius' humanistic ethics, the naturalistic philosophy of Taoism and Buddhism—especially the Zen Buddhist method of enlightenment.

PHIL 335

Marxism (5)

Prerequisite: Successful completion of ENGL 101.

Analysis of Marx's ethics and the concept of alienated labor—its economic causes and human consequences—and an introduction to Marx's theory of the relations among systems of production, social organizations and ideologies.

PHIL 398**Seminars on Selected Topics (5)**

Prerequisites: 5 philosophy credits, successful completion of ENGL 101.

PHIL 403**Advanced Ethics (5)**

Prerequisites: PHIL 212 or 213, and successful completion of ENGL 101.

Central problems in ethics. Typical problems concern the sources of obligation, cultural relativism, responsibility and excuses, blame and punishment, the logic of moral discourse and the relation of facts to values.

PHIL 411**Theory of Knowledge (5)**

Prerequisites: 5 philosophy credits, and successful completion of ENGL 101.

The nature, grounds and limits of human knowledge. Topics typical of the course are perception, memory, truth, knowledge of other minds and the relations among knowing, believing and doubting.

PHIL 417**Women and Ethics (5)**

[satisfies cultural and gender diversity university graduation requirement.]

ALTERNATIVE FALLS

Prerequisite: At least one of the following: WMST 101 or 310 or PHIL 211 or 212.

The course will begin with a brief examination of the treatment of women within traditional ethics. We will then address the views of early women philosophers, followed by a close analysis of contemporary feminist approaches to ethics. (Cross-listed WMST 417)

PHIL 430**Special Periods in the History of Philosophy (5)**

Prerequisite: Successful completion of ENGL 101.

Intensive study of a period in the history of philosophy that is not included in the 320–322 sequence.

PHIL 435**Major Authors in the History of Philosophy (5)**

Prerequisite: Successful completion of ENGL 101.

Intensive study of a single major philosopher.

PHIL 440**Women and Philosophy (5)**

ALTERNATIVE SPRINGS

Prerequisite: At least 4 credits in WMST and/or PHIL.

The course offers an examination of the treatment of concepts relating to women and femininity, both by traditional philosophers and by more recent feminist philosophers. The course will address key issues within philosophy while simultaneously exploring the role of gender in the production of philosophical knowledge. (Cross-listed WMST 440)

PHIL 499**Directed Study (5)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: 10 philosophy credits, and successful completion of ENGL 101.

PHYSICAL EDUCATION, HEALTH AND RECREATION

College of Education and Human Development

John Cogley, Interim Chair

250 Physical Education Classroom Building

(509) 359-7969

BA, BAE, BS

Minors

Health and Fitness Endorsement

MS

Faculty: G. Babcock, B. Brock, M. Chase, A. Coelbo, J. Cogley, D. Early, M. Elfering, P. Green, J. Hammermeister, J. Kawaguchi, J. McNeal, S. Melville, L. Morley, J. Nendel, R. Pickering, W. Repovich and athletic coaches

UNDERGRADUATE PROGRAMS

The Department of Physical Education, Health and Recreation (PEHR), houses the following major programs: Athletic Training, Community Health, Exercise Science, Health and Fitness (teaching endorsement), Outdoor Recreation, Recreation Management and Therapeutic Recreation.

Professional Membership Requirements: Every student graduating in PEHR must be a member of a professional organization at least by their senior year.

Advising and Consultation:

Information for High School and Transfer Students: High school and transfer students should consult with specific program directors in the PEHR Department during their first quarter at EWU. At that time, a program can be formulated and any previous college classes evaluated for the major. As soon as students have decided to major or minor in programs offered by the department, they need to get their file from the Office of General Undergraduate Academic Advising in Sutton Hall and bring it to the department.

Degree Descriptions:

Athletic Training: This major is designed for students who are interested in becoming certified athletic trainers. The major is designed to prepare students to sit for the National Athletic Trainers' Association Board of Certification Examination and to work competently in the field of Athletic Training and Sports Medicine. The major welcomes both the freshman and transfer student and generally requires three years to complete. However if specific prerequisites are met, the program can be completed within two-years. Students wishing to be admitted must apply and be accepted into the Athletic Training Program. Students in the program will receive formal instruction and clinical practice in development of proficiencies in risk management and injury prevention, pathology of injuries and illnesses, assessment and evaluation, acute care of injury and illness, pharmacology, therapeutic modalities, therapeutic psychosocial intervention and referral, health care administration, and professional development and responsibilities. Opportunities for employment exist in, and are not limited to, sports medicine clinics, hospitals, high schools, health clubs, corporate fitness, and with professional and non-professional athletic teams. Opportunities also exist in colleges and universities for those who elect to continue beyond the bachelor's degree.

Community Health Majors: Community Health majors are professionals who design, conduct and evaluate activities that help improve the health of all people. Placements will be in a variety of settings including public health and non-profit health agencies, worksite wellness programs, colleges and universities and government agencies. The majors are prepared to sit for the National Commission for Health Education Credentialing (CHES) examination and for graduate programs in public health, health promotion and community health education.

Exercise Science: This major is designed for those students who are not interested in teaching but are interested in fitness and wellness management. Graduates are prepared to work in various settings as managers of fitness programs. The options include corporate fitness, commercial fitness clubs, YMCA-YWCA or other non-commercial programs, retirement centers or hospital rehabilitation programs in cardiac rehabilitation, respiratory therapy and diabetes support. The program prepares student to pursue advanced degrees in exercise physiology, biomechanics, motor control and learning, cardiac rehabilitation and adult fitness as well as professional programs such as physical and occupational therapy and chiropractic. The program and course work prepares students to pursue certification from organizations such as ACSM, NSCA and ACE. These certifications are widely accepted in the fitness industry.

Health and Fitness: The Health and Fitness (BAE) degree (formerly known as the Physical Education and/or Health Education degree) is designed for those students pursuing a teaching endorsement. Students will become certified to teach K–12 within both the health and fitness (physical education) areas.

Physical Education: The Physical Education (BAE) teaching endorsement and the Health Education (BAE) teaching endorsement have been combined into the Health and Fitness (BAE) teaching endorsement (see below). We continue to offer a non-teaching physical education coaching minor.

Recreation: The nationally accredited recreation programs focus on a profession that offers many challenging and varied forms of employment. Trained recreation leaders are regularly hired in positions with cities, communities, youth agencies, parks, resorts, outfitting companies, convention centers, correction facilities, the armed forces and much more.

The recreation programs are designed to aid students in developing a philosophical and practical knowledge of recreation and leisure services. As part of the curriculum, students are exposed to skill-sets and competencies that are relevant to a career in recreation and also lead to a professional internship, which provides a ten to fourteen week on-the-job work experience.

Students may choose from a comprehensive curriculum in one of three majors: Outdoor Recreation, Recreation Management and Therapeutic Recreation, as well as a minor in Recreation Management.

Special Programs Information:

Human Performance Laboratory: The refurbished Human Performance Laboratory located in the Physical Education Classroom Building provides state-of-the-art equipment for clinical and research experience in the areas of athletic training, exercise physiology, motor learning, biomechanics, health promotion, clinical evaluations and exercise prescriptions for faculty, staff, students and the community. Graduate and selected undergraduate students have the opportunity to conduct research projects in the laboratory.

Fitness Centers: “The Body Shop” is located in the Physical Education Activities Building. This facility is designed to meet the fitness needs of students, faculty, staff and the community in a time-efficient manner. The Fast Fitness class offers individualized programs to develop baseline fitness—strength, flexibility and endurance—with the latest equipment.

“The Strength and Conditioning Center” is located in the Physical Education Activities Building. This is one of the largest and best equipped weight rooms in the area. Participants may enroll and attend according to their time needs versus set times and days.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)

Degree Requirements for all Recreation Majors:

1. A minimum of 2.0 must be obtained in each required RCLS course. If a lower grade is received, the course must be retaken.
2. A minimum cumulative GPA of 2.50 shall be necessary in all upper- and lower-division required RCLS courses.
3. A minimum cumulative GPA of 2.50 shall be required for all university course work.
4. Failure to comply with the above standards will jeopardize professional internship eligibility.

Internship Requirement:

Prior to interning, students must complete three major requirements:

1. Each student must complete 1500 hours of practical experience in the recreation and leisure service field, prior to qualifying for the professional internship. These 1500 hours must be from three (3) separate sources with no more than 750 hours from any one source. (Therapeutic Recreation majors have specific requirements to fulfill, as regards to the number of hours and various populations; these majors must consult with their advisor.)
2. Applications for the Professional Internship must be presented to their faculty advisor no later than May 15. (Students may only do their internship during the summer quarter.)
3. Each student must obtain a current Emergency Response or Advanced First-Aid Card.

Outdoor Recreation Major (92 credits)

The Outdoor Recreation program qualifies individuals as outdoor leaders or resource managers for public and private organizations, including government agencies.

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Core Courses

- RCLS 201 Recreation and Leisure in Modern Society (3)
- RCLS 220 Leadership in Recreation and Leisure Services (3)
- RCLS 240 Overview of Therapeutic Recreation Services (4)
- RCLS 325 Outdoor Adventure Programming (3)
- RCLS 360 Facility Planning and Environmental Design (3)
- RCLS 385 Programming in Recreation and Leisure Services (3)
- RCLS 400 Legal Foundations in Recreation and Leisure Services (3)
- RCLS 425 Evaluation, Research and Statistics in Recreation and Leisure Services (4)
- RCLS 470 Administration, Organization and Supervision in Recreation and Leisure Services (4)
- RCLS 480 Budgeting in Recreation and Leisure Services (4)
- RCLS 490 Capstone in Recreation (4)

Required Supporting Courses

- RCLS 125 Recreation and Leisure Services Activities (Rafting) (1)
- RCLS 206 Wilderness Backpacking (3)
- RCLS 250 Camping Administration and Leadership (3)
- RCLS 305 Winter Camping (3)
- RCLS 307 Mountaineering (3)
- RCLS 310 Outdoor Recreation (3)
- RCLS 315 Wilderness Survival (3)
- RCLS 370 Outdoor Recreation Aquatic Programs (3)
- RCLS 405 Wilderness Upgrade for Medical Professionals (4)
- RCLS 410 Outdoor Leadership (4)
- RCLS 415 Search and Rescue Management (4)
- RCLS 435 Employment Processes in Recreation and Leisure Services (2)
- RCLS 494 Outdoor Recreation Professional Internship (15)
- HLED 194 Emergency Response (3)

Required program credits

38 credits

Required supporting credits

54 credits

Total credits for above major

92 credits

Computer competency is required for the above major.

Recreation Management Major (74 credits)

Recreation Management is a growing and dynamic field. The tourism and recreation industry is currently listed as one of the top three business activities in the United States. There are many emphasis areas available in Recreation Management including: city/park recreation, resort/commercial recreation, youth serving agencies, military recreation and corrections recreation.

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Core Courses

RCLS 201 Recreation and Leisure in Modern Society (3)
 RCLS 220 Leadership in Recreation and Leisure Services (3)
 RCLS 240 Overview of Therapeutic Recreation Services (4)
 RCLS 325 Outdoor Adventure Programming (3)
 RCLS 360 Facility Planning and Environmental Design (3)
 RCLS 385 Programming in Recreation and Leisure Services (3)
 RCLS 400 Legal Foundations in Recreation and Leisure Services (3)
 RCLS 425 Evaluation, Research and Statistics in Recreation and Leisure Services (4)
 RCLS 470 Administration, Organization and Supervision in Recreation and Leisure Services (4)
 RCLS 480 Budgeting in Recreation and Leisure Services (4)
 RCLS 490 Capstone in Recreation (4)

Required Supporting Courses

RCLS 260 Arts in Recreation (3)
 RCLS 300 Publicity and Promotion in Recreation (4)
 RCLS 340 Aquatic Facilities Management (3)
 RCLS 349 Intramural Sport Management (3)
 RCLS 435 Employment Processes in Recreation and Leisure Services (2)
 RCLS 455 Resort and Commercial Recreation Management (3)
 RCLS 495 Recreation Management Professional Internship (15)
 HLED 194 Emergency Response (3)

Required program credits 38 credits
Required supporting credits 36 credits
Total credits for above major 74 credits

Must see your recreation management advisor at least once per quarter.

Therapeutic Recreation Major (96 credits)

Therapeutic Recreation specialists are involved in helping individuals with disabilities learn the skills and attitudes necessary to develop a satisfying leisure lifestyle. Therapeutic Recreation is concerned with the treatment of conditions which are disabling and the facilitation of independent leisure functioning.

This major offers the student a track that will allow them to be eligible to take the national certification examination. The major is nationally accredited and provides a strong educational background for the student. Graduates tend to work in hospitals, state facilities, group treatment and community-based programs in the area of rehabilitation, leisure education and community integration.

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Core Courses

RCLS 201 Recreation and Leisure in Modern Society (3)
 RCLS 220 Leadership in Recreation and Leisure Services (3)
 RCLS 240 Overview of Therapeutic Recreation Services (4)
 RCLS 325 Outdoor Adventure Programming (3)
 RCLS 360 Facility Planning and Environmental Design (3)
 RCLS 385 Programming in Recreation and Leisure Services (3)
 RCLS 400 Legal Foundations in Recreation and Leisure Services (3)
 RCLS 425 Evaluation, Research and Statistics in Recreation and Leisure Services (4)
 RCLS 470 Administration, Organization and Supervision in Recreation and Leisure Services (4)
 RCLS 480 Budgeting in Recreation and Leisure Services (4)
 RCLS 490 Capstone in Recreation (4)

Required Supporting Courses

RCLS 245 Therapeutic Recreation for the Disabled (3)
 RCLS 260 Arts in Recreation (3)
 RCLS 420 Program Planning and Evaluation in Therapeutic Recreation (5)
 RCLS 440 Professional Issues in Therapeutic Recreation (4)
 RCLS 445 Processes and Techniques in Therapeutic Recreation (4)
 RCLS 450 Assessment Techniques in Therapeutic Recreation (4)
 RCLS 493 Therapeutic Recreation Professional Internship (15)
 HLED 256 Medical Terminology (1)
 PHED 249 Anatomical Kinesiology (4)
 PHED 250 Physiological Kinesiology (4)

CEDP 201 Lifespan Development (4)
 PSYC 302 Abnormal Psychology (5)

Required program credits 38 credits
Required supporting credits 58 credits
Total credits for above major 96 credits

Current First Aid/CPR card is required for all majors.

Bachelor of Arts in Education (BAE)**Health and Fitness/Elementary or Secondary Major (67–68 credits)**

This major satisfies the endorsement for Preschool to grade 12.

Degree Requirements:

1. Must earn a minimum of 2.5 in each required health and physical education course.
2. Must have a minimum cumulative GPA of 2.5 in all university courses.

Required Courses (51 credits)

HLED 200 Admission to Health and Fitness (1)
 HLED 201 Introduction to Health and Wellness (3)
 HLED 250 Drugs, Society and Human Behavior (3)
 HLED 365 Teaching Methods in Health (4)
 HLED 372 Applied Nutrition and Physical Fitness (3)
 HLED 475 Sex Education in Schools and Community (4)
 PHED 248 Anatomical/Mechanical Kinesiology (4)
 PHED 250 Physiological Kinesiology (4)
 PHED 251 Motor Control and Learning (4)
 PHED 367 Teaching Methods in Physical Education (4)
 PHED 452 Adapted Physical Education (4)
 PHED 454 Measurement and Evaluation in Health and Fitness (3)
 PHED 461 Sports and Exercise Psychology (3)
 PHED 490 Senior Capstone in Health and Fitness (Teaching) (4)

Choose one of the following:

HLED 192 Sports Safety Training (3)
 HLED 194 Emergency Response (3)

Select one of the tracks below: 16–17 credits**Health Track: 17 credits**

HLED 374 Investigation of Disease and Illness (5)
 HLED 376 Consumer Health (3)
 HLED 480 Health Promotion Program Planning, Implementation and Evaluation (3)

Select a total of 3 teaching methods courses: 6 credits**Choose one of the following:**

PHED 336 Individual Sports (2)
 PHED 337 Team Sports (2)

Choose one of the following:

PHED 340 Rhythms and Games (2)
 PHED 341 Elementary School Activities (2)

Choose one of the following:

PHED 342 Lifelong Leisure Activities (2)
 PHED 343 Wellness and Fitness (2)

Physical Education Track: 16 credits

PHED 336 Individual Sports (2)
 PHED 337 Team Sports (2)
 PHED 340 Rhythms and Games (2)
 PHED 341 Elementary School Activities (2)
 PHED 342 Lifelong Leisure Activities (2)
 PHED 343 Wellness and Fitness (2)
 PHED 370 Sport and Culture (4)

Required program credits 51 credits
Required track credits 16–17 credits
Minimum total credits for above major 67 credits

Professional Education Requirements/Elementary Education: 102–103 credits**or Secondary Education: 46–47 credits**

See the Department of Education section of this catalog. Prerequisites may also apply.

Minimum total credits for above major and elementary professional education 169 credits

Note: The above major takes more than 12 quarters at 15–16 credits a quarter.

Minimum total credits for above major and secondary professional education 113 credits

Note Required: Must be a member of a professional organization.

Bachelor of Science (BS)**Athletic Training Major (107 credits)**

This major is designed for those students who are interested in becoming certified athletic trainers. The major is designed for preparing students to sit for the National Athletic Trainer's Association Board of Certification Exam and to work competently in the field of athletic training and sports medicine. Students must apply and be accepted in to the athletic training program. Admission to the program is based upon evaluation of the student's entire application, including academic record, GPA in prerequisite courses, checking with references and a short essay. Applications are due the Monday of the week before finals week of winter quarter each year. The number of applicants to the program may exceed the number that can be admitted; therefore, no assurance can be given that all applicants admitted to the University and who complete the application requirements will be admitted to the athletic training program. For further information regarding the application process, please contact the PEHR department at (509) 359-2341. Opportunities for employment exist in but are not limited to, sports medicine clinics, hospitals, high schools, colleges, health clubs, corporate fitness, and with professional and non-professional athletic teams. Opportunities also exist in colleges and universities for those who elect to continue beyond the bachelor's degree level of education.

Degree Requirements:

1. Must earn a minimum of 2.5 in each required athletic training course.
2. Must have a minimum cumulative GPA of 2.75 in all upper and lower division required Athletic Training courses.
3. Must have a minimum of 2.0 in each class used towards graduation.
4. Must have a minimum cumulative GPA of a 2.50 in all university course work.
5. Failure to comply with the above standards will prohibit degree eligibility.

Required Courses

ATTR 288 Clinical Athletic Training I (1+1+1)
 ATTR 339 Athletic Training (4)
 ATTR 340 Advanced Procedures and Modalities in Sports Medicine (4)
 ATTR 341 Rehabilitation in Athletic Training (4)
 ATTR 388 Clinical Athletic Training II (1+1+1)
 ATTR 428 Orthopedic Evaluation I (4)
 ATTR 429 Orthopedic Evaluation II (4)
 ATTR 430 Sports Medicine Issues (2)
 ATTR 488 Clinical Athletic Training III (2+2+2)
 ATTR 490 Senior Capstone in Sports Medicine (4)
 ATTR 491 Current Topics in Sports Medicine (1+1+1+1)
 HLED 192 Sports Safety Training (3)
 HLED 256 Medical Terminology (1)
 HLED 370 Environmental Health (3)
 HLED 372 Applied Nutrition and Physical Fitness (3)
 PHED 249 Anatomical Kinesiology (4)
 PHED 250 Physiological Kinesiology (4)
 PHED 252 Mechanical Kinesiology (4)
 PHED 335 Strength and Conditioning Prolab (2)
 PHED 452 Adapted Physical Education (4)
 CEDP 316 Psychology of Adjustment (5)
 BIOL 232 Human Anatomy and Physiology for Non-Biology Majors (5)
 BIOL 233 Human Anatomy and Physiology for Non-Biology Majors (5)
 BIOL 234 Human Anatomy and Physiology for Non-Biology Majors (5)
 CHEM 161 General Chemistry for the Health Sciences (5)
 CHEM 162 Organic Chemistry for the Health Sciences (5)
 CHEM 163 Biochemistry for the Health Sciences (5)
 CHEM 350 Principles of Pharmacology (2)

Total credits for above major**107 credits**

Must meet with your major advisor for other supporting courses.

Bachelor of Science (BS)**Community Health Major (85–89 credits)**

Community health majors are professionals who design, conduct and evaluate activities that help improve the health of all people. Placements will be in a variety of settings including public health and non-profit health agencies, worksite wellness programs, colleges and universities and government agencies. The majors are prepared to sit for the National Commission for Health Education Credentialing (CHES) examination and for graduate programs in public health, health promotion and community health education.

Degree Requirements:

1. A minimum of 2.50 in each required Community Health course.
2. A minimum cumulative GPA of 2.50 shall be necessary in all upper- and lower-division required Community Health courses.
3. A minimum of 2.0 in each of the supporting courses: Communication and Social and Behavioral Science Core.
4. A minimum cumulative GPA of 2.50 shall be required for all university course work.
5. Must meet with major advisor once each quarter.
6. Failure to comply with the above standards will prohibit Professional Internship eligibility.

Required Courses**First Aid Option - Select one of the following:**

HLED 192 Sports Safety training (3)
 or HLED 194 Emergency Response (3)
 HLED 201 Introduction to Health and Wellness (3)
 HLED 256 Medical Terminology (1)
 HLED 372 Applied Nutrition and Physical Fitness (3)
 HLED 375 Gerontology (3)
 HLED 376 Consumer Health (3)
 HLED 381 Mind/Body Spirit Health (3)
 HLED 480 Health Promotion Program Planning, Implementation and Evaluation (3)
 HLED 482 Grant Writing in the Health Sciences (3)
 HLED 490 Senior Capstone in Community Health (4)
 HLED 495 Internship (15)
 RCLS 470 Administration, Organization and Supervision in Recreation and Leisure Services (4)

Supporting Courses (20–21 credits)

CSBS 320 Introductory Statistics (5)
 CMST XXX Communication class with advisor's approval (4–5)
 EXSC 480 Clinical Exercise Physiology (3)
 PHED 249 Anatomy Kinesiology (4)
 PHED 250 Physiological Kinesiology (4)

Select one of the tracks below**Public Health Track**

HLED 250 Drugs, Society and Human Behavior (3)
 HLED 370 Environmental Health (3)
 HLED 374 Investigation of Disease and Illness (5)
 HLED 382 International Health (3)
 HLED 475 Sex Education in Schools and Community (4)

Worksite Wellness Track

PHED 333 Group Exercise Instruction (2)
 PHED 335 Strength and Conditioning Prolab (2)
 EXSC 455 Research and Analysis (2)
 RCLS 300 Publicity and Promotion in Recreation (4)
 or MKTG 310 Principles of Marketing (4)
 RCLS 480 Budgeting in Recreation and Leisure Services (4)
 or ACCT 251 Principles of Financial Accounting (5)

Choose one of the following

HLED 370 Environmental Health (3)
 HLED 374 Investigation of Disease and Illness (5)
 HLED 382 International Health (3)

Required program credits**48 credits****Required supporting credits****20–21 credits****Required track credits****17–20 credits****Minimum total credits for above major****85 credits**

Select supporting courses in consultation with departmental advisor.

Bachelor of Science (BS)**Exercise Science Major (92–93 credits)**

This major is designed for those students who are not interested in teaching but are interested in fitness and wellness management. Graduates are prepared to work in various settings as managers of fitness programs. The options include but are not limited to corporate fitness, commercial fitness clubs, YMCA-YWCA or other non-commercial programs, retirement centers or hospital rehabilitation programs in cardiac rehabilitation, respiratory therapy and diabetes support. The program prepares student to pursue advanced degrees in exercise physiology, biomechanics, motor control and learning, cardiac rehabilitation and adult fitness as well as professional programs such as Physical and Occupational Therapy and Chiropractic. The program and course work prepares students to pursue certification from organizations such as ACSM, NSCA and ACE. These certifications are widely accepted in the fitness industry.

Degree Requirements:

1. A minimum of 2.50 in each required Exercise Science course.
2. A minimum cumulative GPA of 2.50 shall be necessary in all upper- and lower-division required Exercise Science courses.
3. A minimum of 2.0 in each of the supporting courses: science, psychology and communications concentrations.
4. A minimum cumulative GPA of 2.50 shall be required for all university course work.
5. Must meet with major advisor once each quarter.
6. Failure to comply with the above standards will prohibit Professional Internship eligibility.

Required Courses

PHED 249 Anatomical Kinesiology (4)
 PHED 250 Physiological Kinesiology (4)
 PHED 252 Mechanical Kinesiology (4)
 PHED 333 Group Exercise Instruction (2)
 PHED 335 Strength and Conditioning ProLab (2)
 CSBS 320 Introductory Statistics for the Social Sciences (5)
 EXSC 455 Research and Analysis (2)
 EXSC 460 Physiology of Exercise (4)
 EXSC 480 Clinical Exercise Physiology (3)
 EXSC 481 Electrocardiology Interpretation (3)
 EXSC 490 Senior Capstone in Exercise Science (4)
 EXSC 495 Professional Internship (15)
 HLED 192 Sports Safety Training (3)
 HLED 372 Applied Nutrition and Physical Fitness (3)

Sciences Concentration

BIOL 232 Human Anatomy and Physiology for Non-Biology Majors (5)
 BIOL 233 Human Anatomy and Physiology for Non-Biology Majors (5)
 BIOL 234 Human Anatomy and Physiology for Non-Biology Majors (5)
 CHEM 161 General Chemistry for the Health Sciences (5)
 CHEM 162 Organic Chemistry for the Health Sciences (5)
 CHEM 163 Biochemistry for the Health Sciences (5)

Communications Concentration**Select one course from the following:**

BUED 302 Business Communication (4)
 CMST 210 Interpersonal Communication (5)
 CMST 312 Nonverbal Communication (varies)
 CMST 331 Interviewing (5)
 CMST 340 Intercultural Communication (5)

Required program credits 58 credits
Required sciences concentration credits 30 credits
Required communications concentration credits 4–5 credits
Minimum total credits for above major 92 credits
Other courses may be selected with prior approval of the major advisor.

Minors**Coaching Minor (20–21 credits)**

Although this is not an endorsable minor, all the courses can be applied toward meeting the state's clock hour requirements for school coaches. In the State of Washington high school coaches must have completed 30 clock hours before the beginning of the third year in any of five standards categories (medical aspects, legal aspects, psychological/social foundations, coaching techniques and philosophy sports management/pedagogy). Middle Level coaches must complete a coaching effectiveness training class equivalent to the NFICEP/ASEP coaching principles class before the beginning of their third year.

Required Courses

HLED 192 Sports Safety Training (3)
 PHED 260 Sport Sciences for Coaching (Leader Level) (3)

Choose three of the following: 11–12 credits

PHED 248 Anatomical/Mechanical Kinesiology (4)
 PHED 250 Physiological Kinesiology (4)
 PHED 251 Motor Control and Learning (4)
 PHED 461 Sports and Exercise Psychology (3)

Choose one of the following: 3 credits

PHED 278 Coaching Volleyball (3)
 PHED 281 Coaching Football (3)
 PHED 282 Coaching Basketball (3)
 PHED 283 Coaching Track (3)
 PHED 285 Coaching Baseball (3)

Minimum total credits for above minor

20 credits

Health Education Minor (17 credits)**Required Courses**

HLED 250 Drugs, Society and Human Behavior (3)
 HLED 370 Environmental Health (3)
 HLED 374 Investigation of Disease and Illness (5)
 HLED 375 Gerontology (3)
 HLED 480 Health Promotion Program Planning, Implementation and Evaluation (3)

Total credits for above minor

17 credits

Recreation Management Minor (24 credits)**Required Courses**

RCLS 201 Recreation and Leisure in Modern Society (3)
 RCLS 220 Leadership in Recreation and Leisure Services (3)
 RCLS 350 Recreation Practicum (5)
 RCLS 400 Legal Foundations in Recreation and Leisure Services (3)
 RCLS 470 Administration, Organization and Supervision in Recreation and Leisure Services (4)

Electives

Six credits of electives in RCLS (6)

Required program credits

18 credits

RCLS elective credits

6 credits

Total credits for above minor

24 credits

Course Requirements for Teacher Certification/Add-on Endorsements

(For students who currently possess a Washington State Teaching Certificate)

Health and Fitness Endorsement (39 credits)

This add-on satisfies the endorsement for Preschool to grade 12.

Degree Requirements:

1. Must earn a minimum of 2.5 in each required health and physical education course.
2. Must have a minimum cumulative GPA of a 2.50 in all university courses.
3. Must attend a professional conference in the field of health and fitness (not coaching).

Required Core Courses

HLED 192 Sports Safety Training (3)
 HLED 201 Introduction to Health and Wellness (3)
 HLED 250 Drugs, Society and Human Behavior (3)
 HLED 365 Teaching Methods in Health (4)
 HLED 475 Sex Education in Schools and Community (4)
 PHED 248 Anatomical/Mechanical Kinesiology (4)
 PHED 250 Physiological Kinesiology (4)
 PHED 251 Motor Control and Learning (4)
 PHED 367 Teaching Procedures in Physical Education (4)

Select a total of 3 teaching methods courses:

Choose one of the following:

PHED 340 Rhythms and Games (2)

PHED 341 Elementary School Activities (2)

Choose one of the following:

PHED 342 Lifelong Leisure Activities (2)

PHED 343 Wellness and Fitness (2)

Choose one of the following:

PHED 336 Individual Sports (2)

PHED 337 Team Sports (2)

Required core credits

33 credits

Required teaching methods credits

6 credits

Total credits for above add-on endorsement

39 credits

GRADUATE PROGRAM

Master of Science in Physical Education

Jeni McNeal, Program Director

244 Physical Education Classroom Building

(509) 359-2872

Admission Requirements

The master of science degree in physical education prepares students for a diverse array of careers in areas including athletic administration, teaching and coaching, directing fitness facilities and programs in a variety of settings and sport psychology consultation with athletic teams. Additionally, the degree is applicable to those students interested in pursuing advanced graduate studies in related areas. This program provides an opportunity for students to focus on one of three areas of specialization; Administration/Pedagogy, Exercise Science, or Sports and Exercise Psychology. All students are required to take a basic core of courses and then select a specialization area. A thesis is required of Exercise Science students. All other specializations offer the option of a thesis or research report to complete the degree.

Prospective students should hold a related baccalaureate degree from an accredited institution. Applicants for admission to the graduate program in physical education must follow the admission procedures as outlined elsewhere in this catalog. In addition, applicants as well, submit three professional letters of recommendation and a one to two page statement of professional goals and philosophy. Students are admitted for fall quarter only; requests for admittance in other academic quarters are discouraged.

Degree Requirements

Basic Core Requirements and Credit Hours

A. Core

PHED 505 Current Issues Seminar (3)

PHED 506 Socio-cultural Studies in Physical Activity (3)

PHED 518 Review of Literature (3)

PHED 519 Statistics in Physical Education (3)

PHED 520 Research Methods in Physical Education (3)

PHED 600 Thesis (9)

or PHED 601 Research Report (6)

Select a primary track from categories B–D (24–27 credits)

B. Administration/Pedagogy (Coaching/Teaching Education)

PHED 507 Administration and Management in Health and

Physical Education (3)

PHED 521 History and Philosophy in Sport and Physical Activity (3)

PHED 522 Risk Management: Sport and School Law (3)

PHED 523 Program Promotion and Advocacy (3)

PHED 695 Internship (6)

Approved Electives (6–9)

C. Exercise Science

PHED 550 Advanced Biomechanics (3)

PHED 555 Advanced Physiology of Exercise (3)

PHED 556 Advanced Cardiovascular Physiology (3)

PHED 598 Seminar (3)

Approved Elective (12)

D. Sports and Exercise Psychology

PHED 508 Psychological Behavior in Sport (3)

PHED 510 Advanced Motor Control and Learning (3)

PHED 511 Applied Sport Psychology (3)

PHED 512 Motivation in Sport and Exercise (3)

Approved Electives (12–15)

Required core credits

21–24 credits

Required primary track credits

24–27 credits

Minimum total credits for above master's degree

48 credits

Athletic Training Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

ATTR 288

Clinical Athletic Training I (1)

FALL/WINTER/SPRING

Prerequisite: HLED 192 or permission of course instructor. This course should be taken three times during an academic career. A course designed to provide a minimum of 1000 hours of clinical experience in a professional athletic training setting over a minimum of at least two years. The students work in an assistant capacity under the direction of a certified athletic trainer/clinical instructor. A portfolio, completed by the students and checked off by the clinical instructor is used to document completion of competencies.

ATTR 339

Athletic Training (4)

FALL

Prerequisite: HLED 192 or permission of course instructor. The purpose of the Basic Athletic Training Course is to provide participants with the fundamental aspects of Athletic Training including injury prevention, recognition, management and treatment techniques for various musculoskeletal injuries. The lab portion of the class will address basic wrapping and taping techniques, as well as "hands-on" injury evaluation.

ATTR 340

Advanced Procedures and Modalities in Sports Medicine (4)

WINTER

Prerequisite: ATTR 339 or permission of course instructor. Consists of using techniques in therapeutic exercise, thermal therapy, hydrotherapy, cryotherapy and electrical modalities. An introduction to psychological and physiological response to injury will also be covered.

ATTR 341

Rehabilitation in Athletic Training (4)

SPRING

Prerequisite: ATTR 340 or permission of course instructor. Design and supervision of rehabilitation programs for orthopedic athletic injuries. This will include common programs for major joint and musculoskeletal injuries; also will consist of learning techniques in therapeutic exercise, massage, joint mobilization and proprioceptive neuromuscular facilitation.

ATTR 388

Clinical Athletic Training II (1)

FALL/WINTER/SPRING

Prerequisite: ATTR 288 or equivalent.

A course designed to provide a minimum of 1000 hours of clinical experience in a professional athletic training setting over a minimum of at least two years. The students work in an assistant capacity under the direction of a certified athletic trainer/clinical instructor. A portfolio, completed by the students and checked off by the clinical instructor, is used to document completion of competencies.

ATTR 428**Orthopedic Evaluation I (4)**

FALL

Prerequisite: ATTR 341 or permission of course instructor. This course will provide students an opportunity to learn and practice injury evaluation procedures used in athletic training. The course will address history taking, inspection, palpation and orthopedic evaluation, as basic principles used in injury evaluation. Laboratory time will be devoted to palpation, structural assessment, neurologic assessment, range of motion and strength assessment of the chest, abdomen, pelvis, hip, thigh, lower leg, ankle and foot.

ATTR 429**Orthopedic Evaluation II (4)**

WINTER

Prerequisite: ATTR 428 or permission of course instructor. This course will provide students an opportunity to learn and practice injury evaluation procedures used in athletic training. The course will address history taking, inspection, palpation and orthopedic evaluation, as basic principles used in injury evaluation. Laboratory time will be devoted to palpation, structural assessment, neurologic assessment and strength assessment of injuries involving the spine, shoulder, elbow, wrist and hand.

ATTR 430**Sports Medicine Issues (2)**

SPRING

Prerequisite: ATTR 429 or permission of course instructor. *Sports Medicine Issues* is a class designed to teach the athletic training student advanced medical issues that are not generally taught in the regular curriculum of the athletic training major. Medical doctors and other allied health care professionals will be brought in from the local Cheney and Spokane communities. Each week, this two-hour class will allow students ample time to work directly with the medical doctors and get hands-on experience with their fellow students.

ATTR 488**Clinical Athletic Training III (2)**

FALL/WINTER/SPRING

Prerequisite: ATTR 388 or permission of course instructor. This course should be taken three times during an academic career. A course designed to provide a minimum of 1000 hours of clinical experience in a professional athletic training setting over a minimum of at least two years. The students work in an assistant capacity under the direction of a certified athletic trainer/clinical instructor. A portfolio, completed by the students and checked off by the clinical instructor is used to document completion of competencies.

ATTR 490**Senior Capstone in Sports Medicine (4)**

WINTER

[satisfies senior capstone university graduation requirement.]

Prerequisite: Senior standing
The course is designed as the capstone for athletic training majors. It will focus on the administrative and management responsibilities required when working in the field of sports medicine including job requirements and problems faced as a professional. There will be group and individual projects, and presentations related to sports medicine and athletic training, including a culminating project that will be assessed by class peers and professionals in the related field. The final project will require students to work in groups to design an athletic training facility, addressing facility and equipment selection and organization, personnel selection and management, legal liability, insurance and budgeting.

ATTR 491**Current Topics in Sports Medicine (1)**

FALL/SPRING

Prerequisite: HLED 192 or permission of course instructor. This class is designed to incorporate current topics that are not generally taught in the athletic training curriculum. This class will emphasize student participation through a group presentation.

ATTR 499**Directed Study (1-15)**

FALL/WINTER/SPRING

Exercise Science Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

EXSC 332**Personal Training (Professional Lab) (2)**

FALL/SPRING

Prerequisites: PHED 249, 250.

A preparation course for Exercise Science or Health Promotion and Wellness majors designed to teach them how to run a personal training business. Budgeting, marketing and liability issues will be discussed as well as the management side of running your own business. Students will be expected to use the knowledge in a one-on-one situation with at least one student registered in fast fitness. This will help prepare the student for various certification exams as well as for the workplace.

EXSC 455**Research and Analysis (2)**

FALL

Prerequisite: CSBS 320.

This course is designed to teach the students to critically analyze the literature in the field. In addition, they will be exposed to the criteria for good research and to evaluate how well articles in the field follow that criteria.

EXSC 460**Physiology of Exercise (4)**

FALL

Prerequisites: PHED 249, 250 and 252 or permission of the instructor.

The application of physiological principles to exercise. Special attention is given to energy sources, work, power, pulmonary system, cardiorespiratory neural control systems, sex differences, hypo- and hyperbaric pressure, heat balance, body composition and the endocrine system in exercise.

EXSC 480**Clinical Exercise Physiology (3)**

SPRING

Prerequisites: PHED 250 or permission of the instructor.

This course presents a detailed understanding of the latest advances in the emerging field of clinical exercise physiology. The focus is on diseases, where exercise can impact onset, treatment or outcomes; i.e., diseases of the cardiovascular, endocrine and musculoskeletal systems.

EXSC 481**Electrocardiology Interpretation (3)**

SPRING

Prerequisites: BIOL 232, 233, 234.

An upper division course in the interpretation of electrocardiograms (ECG's). It will cover normal and pathological changes both at rest and during exercise.

EXSC 490**Senior Capstone in Exercise Science (4)**

WINTER

[satisfies senior capstone university graduation requirement.]

Prerequisites: Senior standing and EXSC 460.

This course is designated as a departmental capstone for Exercise Science majors. They will study the process of assessment and prescription of apparently healthy adults. There will be end-of-program assessment, both written and practical. Students will also study a current issue in the field through research, group projects and written and oral presentations. The course is designed to help students prepare for the ACSM Health Fitness Instructor certification, the benchmark exam in the field.

EXSC 495**Professional Internship (1-15)**

FALL/WINTER/SPRING

Health Education Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

HLED 172**Health Education Orientation (3)**

An introduction to the health education profession in the schools and the community. Covers topics such as job responsibilities, opportunities and the qualifications of health educators.

HLED 192**Sports Safety Training (3)**

FALL/WINTER/SPRING

The purpose of the American Red Cross Sports Safety Training course is to provide participants with the necessary skills and knowledge to help provide a safe environment for participation, recognize and treat emergency situations, and understand how to apply preventative measures for health and safety of sports participants.

HLED 193**Standard First Aid and Safety (2)**

Practice and theory of first aid knowledge and skills as prescribed by the American Red Cross. This includes bandages, splints, poisoning, burns, transportation, artificial respiration and cardiopulmonary resuscitation. An American Red Cross Standard First Aid Certificate is awarded to those who qualify.

HLED 194**Emergency Response (3)**

FALL/WINTER/SPRING

Advanced information of first aid knowledge and skills as prescribed by the American Red Cross. In addition to skills learned in the standard first aid course, extrication, childbirth, cardiopulmonary resuscitation, mouth-to-mask resuscitation and blood pressures are learned. Standard first aid is not required. An American Red Cross Emergency Response Certificate is awarded to those who qualify.

HLED 200**Admission to Health and Fitness (1)**

FALL/WINTER

This course is designed to introduce potential majors to the Health and Fitness profession as well as describe the major's expectations and requirements for being admitted into the program and becoming certified as a K-12 Health and Fitness instructor.

HLED 201**Introduction to Health and Wellness (3)**

FALL/WINTER

This course is designed to be an introduction to health and wellness. Foundations are laid in nutrition, physical activity and fitness, stress management, substance abuse, disease and injury prevention, sexually transmitted diseases and environmental health issues, among others. In addition, skills are taught to enhance the student's ability to make health behavior changes.

HLED 245**Drugs, Ergogenic Aids and Human Performance (3)**

FALL/WINTER/SPRING

Acquaints you with major drugs of abuse and the dangers of addiction and potential health problems. Ergogenic aids including steroids, amphetamines, blood doping and nutritional supplementation are a major focus of this course. The course purpose is to discuss efficacy of the ergogenic aids, ethical use in athletics and potentially harmful effects of any supplementation.

HLED 250**Drugs Society and Human Behavior (3)**

FALL

This course consists of a study of human behavior in the context of drug use, abuse and addiction. There will be discussions on the physiology of drug consumption, as well as the physical, emotional, psychological and social affects of various groups of drugs (depressants, stimulants, opiates, hallucinogenics, and narcotics). Prescription drugs, over the counter drugs, steroids and other supplements will also be discussed.

HLED 256**Medical Terminology (1)**

FALL/WINTER/SPRING

This course examines the nature and function of the medical language and the building of medical words from word roots, prefixes, suffixes and combining forms. This course will prepare students who are entering into medical-related fields of interest.

HLED 299**Individual Studies (1-5)**

Prerequisites: Permission of the instructor and the department chair.

Special studies in health education or community health. Selected topics vary according to student and faculty interest.

HLED 365**Teaching Methods in Health (4)**

SPRING

Prerequisite: EDUC 201 or permission of the instructor. Methods and procedures used in the teaching of health in elementary, junior and senior high schools. Opportunity for practice teaching and development of teaching units for classroom.

HLED 370**Environmental Health (3)**

FALL

Prerequisite: HLED 201 or permission of the instructor. This course consists of the study of environmental and social influences on personal and community health, as well as a study of water and air supply protection and pollution. In addition, waste management, bioterrorism and environmentally-based diseases will be addressed. Also, the importance of food handling, inspection and protection is presented. These topics are covered in the context of their impact on individual health and wellness.

HLED 372**Applied Nutrition and Physical Fitness (3)**

FALL/SPRING

Designed to help you apply the basic concepts of nutrition to increased requirements due to physical activity and to understand the values of good health.

HLED 374**Investigation of Disease and Illness (5)**

FALL

Prerequisite: HLED 201 or permission of the instructor. This course examines the major communicable diseases of humans with emphasis upon prevention and control, and it provides an introduction to the modern scientific approach to control of communicable diseases and biostatistics.

HLED 375**Gerontology (3)**

WINTER

Prerequisite: HLED 201 or permission of the instructor. This course examines anatomical, physiological, pathological, medical, psychological and sociological factors that impact individuals moving through the aging process. The topics discussed will include the major problems of degenerative and chronic diseases and an analysis of the physical and physiological deterioration of the body and mind.

HLED 376**Consumer Health (3)**

WINTER

Consumer health has much to do with the way we live. It deals with the selection of the products and services available in the marketplace that have an impact on health. Discussion includes: advertising, methods of distribution, techniques of selling and methods of making positive decisions about health products and services.

HLED 379**HIV/AIDS Education Instructor (3)**

FALL

The purpose of the HIV/AIDS instructor course is to prepare and certify instructors who: know and understand the facts about HIV infection, including AIDS, can present HIV/AIDS education programs effectively in the classroom and to the community, can share the facts about HIV infection, including AIDS, without letting personal values, attitudes and beliefs get in the way, can discuss the facts in ways acceptable to people of diverse backgrounds, understand and are sensitive to the emotional issues raised by HIV infection, including AIDS. Certification is granted from the "American Red Cross" to all who successfully complete the requirements of the American Red Cross.

HLED 381**Mind/Body/Spirit Health (3)**

WINTER

Prerequisite: HLED 201 or permission of the instructor. The course is the study of the interaction of the mind, the body and an individual's spirituality with his/her health and wellness. Discussion topics will include stress, emotions, coping skills as well as the connection between physical health and emotional health. The field of psychoneuroimmunology will also be discussed. The course studies how understanding one's values, morals and/or purpose in life influences his/her physical and emotional health?

HLED 382**International Health (3)**

SPRING

Prerequisite: HLED 201 or permission of the instructor. This class is a study of international health, on how it is defined and its historical roots. Discussion will focus on major international health issues and debates on policies and practices. Also, key contemporary issues involving disease control, primary health care, child survival, essential drugs and health policies will be examined critically.

HLED 411**Emergency Response Instructor (2)**

FALL/WINTER/SPRING

Prerequisites: Junior standing and HLED 194. Teaching methods and procedures in skills as prescribed by the American Red Cross (ARC) Emergency Response Course. Those who qualify may earn the American Red Cross Emergency Response Instructor Certificate valid for 3 years and the American Red Cross CPR for the professional rescuer certificate valid for 1 year.

HLED 412**Emergency Response Instructor's Laboratory Practicum (3)**

FALL/WINTER/SPRING

Prerequisites: HLED 194, 411.

The most current First Aid teaching and skill techniques required by the American Red Cross will be implemented in a laboratory situation. The student will teach an undergraduate level First Aid laboratory class as a student instructor. This instruction will be under supervision of a certified master teacher. Upon successful completion of all requirements the Emergency Response Instructor Certificate will be renewed for one more year.

HLED 450**Community Health Procedures (3)**

Numerous health problems can best be approached from the combined efforts of the communities involved. This course is designed to prepare you to find solutions to these community health problems and to develop the skills necessary for implementation of an educational approach.

HLED 451**Administration of School Health (3)**

A presentation of the philosophy and principles of the school health program. Emphasis is placed on the organization and administration of health services and the school environment.

HLED 452**Public Health Administration (3)**

Public health is the science of preventing disease, prolonging life and promoting health through organized community effort. This course is designed to prepare you to identify health needs, formulate an organized community program to solve health problems and to administer public health and wellness programs.

HLED 465**Physical Growth and Development (2)**

Concerned with growth and development patterns from late infancy to early adulthood. Particular attention is given to differences associated with sex, race, puberty and physical abnormalities.

HLED 472**Health Fundamentals and Procedures (5)**

Conservation and promotion of health by individuals, families and in the community. Emphasis is placed upon principles of healthful living and recognition of deviation from normal health. Consideration of the health education curriculum, materials and methods, school health services, coordination within schools and community health agencies. Student-centered learning activities are emphasized.

HLED 475**Sex Education in Schools and Community (4)**

WINTER

Prerequisite: HLED 201 or permission of the instructor. Methods and procedures utilized in the teaching of human sexuality in schools and community health agencies. Opportunity for practice teaching and development of teaching units.

HLED 480**Health Promotions Program Planning, Implementation and Evaluation (3)**

WINTER

Prerequisite: Junior or senior class standing, or permission of the instructor.

This class teaches health promotion, program planning, implementing and evaluating. Students will learn the practical skills they will need in beginning community health promotion programs. The course also provides a foundation for understanding the basics of grant writing. Concepts like a mission statements, goals, objectives, needs assessments, implementation strategies and follow-up will be addressed.

HLED 481**Health and Wellness Promotions Practicum (2)**

SPRING

Prerequisite: HLED 480.

The student will receive practical application training of the various methods used to implement health and wellness programs. The student will participate in sponsoring health and wellness workshops, seminars and conferences. The student will participate "on site" with allied health professionals during many of the health and wellness programs.

HLED 482**Grant Writing in the Health Sciences (3)**

SPRING

Prerequisite: HLED 480 or permission of the instructor.

This class will teach students the skills necessary to write grants in the health science field. It is an applied class where the students are expected to go through the grant writing process. The skills developed will prepare the students to search and apply for funding from a variety of sources.

HLED 490**Senior Capstone in Community Health (4)**

SPRING

[satisfies senior capstone university graduation requirement.]

Prerequisite: Senior standing.

This course is designated as the capstone course for those students majoring in Community Health within the Department of Physical Education, Health and Recreation. An end-of-program assessment will be completed. The course will focus on the major issues, requirements and problems facing health professionals as they enter the field. Using group problem solving techniques, lecture and a final project developed to encompass past knowledge and skills, the students will present a course plan complete with all necessary components to function. A major focus will be for the students to develop their understanding of the group process as it relates to being a member of the team as well as the ability to effectively assess populations and create and implement a curriculum specific to a population. This course is based on the Certified Health Education Specialist (CHES) competencies.

HLED 494**Field Work in Health Education/or Fitness (4)**

FALL/WINTER/SPRING

Prerequisite: HLED 480.

Provides the opportunity to experience limited on-the-job training within a health or a fitness agency. Depending on the focus of the internship; the student will need to choose the opposite emphasis for this experience.

HLED 495**Internship (1-15)**

FALL/WINTER/SPRING

Practical experience designed primarily for community health education majors; however, all students are welcome and become members of a health-serving agency performing professional tasks along with the full-time staff of the agency. You must obtain prior approval of the department coordinator.

HLED 496**Field Work (4)**

FALL/WINTER/SPRING

Provides the opportunity to experience limited on-the-job training within health agencies.

HLED 497**Workshops, Short Courses, Conferences (1-5)**

FALL/WINTER/SPRING

Workshops dealing with specific aspects of health education, conducted either during the summer or by extension. These workshops are designed for experienced teachers with interests in health education.

HLED 498**Seminar (1-5)**

FALL/WINTER/SPRING

Seminars dealing with various aspects of health and health education; designed for advanced students in para-medical sciences and/or experienced teachers.

HLED 499**Directed Study (1-15)**

FALL/WINTER/SPRING

Prerequisites: Junior standing or permission of the instructor and the department chair.

Physical Education Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

PHED 120**PE Activities [Designed primarily for women] (1)**

FALL/WINTER/SPRING

Women's conditioning classes for varsity sports, volleyball, tennis, basketball, soccer, track, etc.

PHED 125**PE Activities [Co-educational] (1)**

FALL/WINTER/SPRING

Aerobics, archery, aquacise, aquatic fitness, corrective lab, country swing dance, frisbee, fun and fitness, golf, gymnastics, jogging, karate, military conditioning, personal defense, pickleball, progressive weight training, racquetball, running, self-defense, skiing, soccer, softball, social dance, swimming, tennis, trap shooting, triathlon training, volleyball and walking. Corrective laboratory is offered for those unable to participate in regular activities because of disability.

PHED 130**PE Activities [Designed primarily for men] (1)**

FALL/WINTER/SPRING

Men's conditioning classes for varsity sports: baseball, basketball, cross country, football, tennis and track.

PHED 135**Specialized Fitness Activities (2)**

FALL/WINTER/SPRING

Includes a group of fitness-based activity classes designed to promote muscular strength and endurance, cardiovascular endurance and flexibility. Programs are developed to meet individual participants' interests and fitness levels and activities are conducted at a variety of locations.

PHED 150**Fast Fitness (2)**

FALL/WINTER/SPRING

Comprehensive physical fitness course designed to develop strength, flexibility and endurance (muscular and cardiovascular) in an effective and efficient manner through use of the EWU Fitness Center. Mandatory orientation and evaluation (pre-testing and post-testing) accompanies the program. Designed to develop baseline fitness levels for all persons with varying fitness levels. Lab.

PHED 151**Group Exercise (2)**

FALL/WINTER/SPRING

Group Exercise involves fitness activities done with music using cardiovascular exercise, muscular strength endurance and flexibility exercises are used to develop the health-related components of physical fitness. Classes may include step training, aerobic kickboxing, yoga for fitness, stability ball training and muscle pump classes. Emphasis will be placed on improving fitness, having fun and learning about healthy living.

PHED 152**Strength/Weight Training (2)**

FALL/WINTER/SPRING

Strength/weight training provides students an opportunity to develop musculoskeletal fitness based on the scientific principles of resistance training. Assistance will be given to students in developing a program design to meet their fitness goals.

PHED 170**Orientation to Physical Education and Coaching Education (4)**

An exploration of the nature and scope, careers and professional considerations, and issues/challenges/trends for physical education and sport; plus an overview of the basic concepts of human movement.

PHED 196**Experimental Course (1-5)****PHED 248****Anatomical/Mechanical Kinesiology (4)**

FALL

A study of the structural components of human movement, as well as the study of the laws of physics as they affect human movement. Special attention is given to the analysis of movement.

PHED 249**Anatomical Kinesiology (4)**

FALL/WINTER

A study of the structural components of human movement. Special attention is given to the analysis of movement.

PHED 250**Physiological Kinesiology (4)**

WINTER/SPRING

A study of the functional components of human movements, especially the variables of flexibility, strength, and endurance, the cardiovascular system and ergogenic aids.

PHED 251**Motor Control and Learning (4)**

WINTER/SPRING

A study of the individual behavioral components of human movement, including the specific areas of motor learning and sport psychology.

PHED 252**Mechanical Kinesiology (4)**

WINTER/SPRING

A study of the laws of physics as they affect human movement. The focus is upon qualitative analysis of human movement.

PHED 253**Maturational Kinesiology (3)**

WINTER/SPRING

Prerequisites: PHED 170 or completion of 2 GEGR Natural Science courses or permission of the instructor.

A study of physical and psychological growth and development factors as they influence human movement.

PHED 260**Sport Sciences for Coaching (Leader Level) (3)**

FALL

A professional preparation course for coaches designed to acquaint students with basic scientific information needed in coaching.

PHED 278**Coaching Volleyball (3)**

WINTER

Coaching techniques and strategies in volleyball.

PHED 281**Coaching Football (3)**

SPRING

Coaching techniques and strategies in football.

PHED 282**Coaching Basketball (3)**

SPRING

Coaching techniques and strategies in basketball.

PHED 283**Coaching Track (3)**

FALL

Coaching techniques and strategies in track.

PHED 285**Coaching Baseball (3)**

FALL

Coaching techniques and strategies in baseball.

PHED 296**Experimental Course (1-5)**

FALL/WINTER/SPRING

Prerequisites: Permission of the instructor and the department chair.

Special studies in physical education. Selected topics vary according to student and faculty interest.

PHED 299**Individual Studies (1-5)**

Study of selected problems in physical education.

PHED 333**Group Exercise Instruction (2)**

FALL/WINTER

A teacher preparation course designed to provide a prospective teacher with an exercise science background, the basic principles and teaching methods to instruct group exercise classes. This course will also provide a foundation of knowledge needed to prepare students to take the American Council on Exercise (ACE) group fitness instructor certification exam.

PHED 335**Strength and Conditioning ProLab (2)**

SPRING

A professional laboratory course designed to provide the knowledge and practical experiences necessary for becoming a certified strength and conditioning professional. The focus of the course is on athletic populations.

PHED 336**Individual Sports (2)**

WINTER/SPRING

Prerequisite: PHED 367 or permission of the instructor.
A physical education course designed to develop skills and progressive methods in teaching individual sports for effective K-12 instruction.

PHED 337**Team Sports (2)**

FALL/SPRING

Prerequisite: PHED 367 or permission of the instructor.
A physical education course designed to develop skills and progressive methods in teaching team sports for effective K-12 instruction.

PHED 340**Rhythms and Games (2)**

FALL/SPRING

Prerequisite: PHED 367 or permission of the instructor.
A physical education course designed to develop skills and progressive methods in teaching activities and games using rhythm for effective K-12 instruction. Activities could include dance, movement experiences and games, which help in developing motor skills.

PHED 341**Elementary School Activities (2)**

FALL/WINTER

Prerequisite: PHED 367 or permission of the instructor.
A physical education course designed to develop skills and progressive methods in teaching a wide range of activities appropriate for elementary physical education classes.

PHED 342**Lifelong Leisure Activities (2)**

WINTER/SPRING

Prerequisite: PHED 367 or permission of the instructor.
A physical education course designed to develop skills and progressive methods in teaching lifelong leisure activities for effective K-12 instruction. Activities such as road and mountain bicycling, rock climbing, hiking-camping, canoeing, golf, cross-country skiing, orienteering and adventure ropes may be included.

PHED 343**Wellness and Fitness (2)**

WINTER/SPRING

Prerequisite: PHED 367 or permission of the instructor.
A physical education course designed to develop skills and progressive methods in teaching wellness and fitness for effective K-12 instruction.

PHED 345**Gymnastics/Tumbling (2)**

Prerequisite: Junior standing or EDUC 201 or PHED 170 or permission of the instructor.

A teacher preparation course designed to provide prospective teachers with basic skills in performing and teaching on the secondary level in the areas of co-educational gymnastics/tumbling (both men's and women's events).

PHED 348**Administration of Athletics (3)**

A study of problems in connection with the organization and management of junior and senior high school athletics.

PHED 355**Outdoor Field Sports (Professional Lab) (2)**

Prerequisite: Junior standing or EDUC 201 or PHED 170 or permission of the instructor.

A teacher preparation course designed to provide prospective teachers with teaching methods and procedures, appropriate lead-up games, exercises and drills in the following activities: field hockey, flag football, speedball, soccer, softball, etc.

PHED 356**Volleyball/Basketball (Professional Lab) (2)**

Prerequisite: Junior standing or EDUC 201 or PHED 170 or permission of the instructor.

A teacher preparation course focusing on development and perfection of skills necessary to participate in physical education activities, along with techniques for teaching specific skills.

PHED 361**History and Philosophy in Health and Fitness (3)**

WINTER

Prerequisite: HLED 201 or permission of the instructor.

A study and analysis of the history, aims, philosophies, foundations and practices in health and fitness, as well as sports sociology considerations.

PHED 367**Teaching Methods in Physical Education (4)**

FALL

Prerequisites: EDUC 200, 201 or permission of the instructor.

Methods and procedures of conducting physical education classes in elementary and secondary schools.

PHED 370**Sport and Culture (4)**

WINTER

Prerequisite: PHED 251 or permission of the instructor.

The study of the interrelationships between sport and culture; religion, politics, economics, race, arts and science. Writing a formative evaluation will be an important part of the course.

PHED 390**Health and Physical Education in the Elementary Schools (3)**

FALL/WINTER/SPRING

Prerequisites: Junior standing and a minimum GPA of 2.00.

Analysis of educationally sound programs and of procedures and practices in the development of basic health and physical education principles in the elementary school.

PHED 391**Aquatics (Professional Lab) (2)**

Prerequisite: Junior standing or EDUC 201 or PHED 170 or permission of the instructor.

Laboratory course designed to develop skills and progressive methods in teaching swimming and water safety applicable to all age groups.

PHED 393**Water Safety Instructor's Course (3)**

SPRING

This course is designed to train students to teach the American Red Cross Learn to Swim Program. Prospective students are advised to take Lifeguard Training (PHED 394). Course is conducted to meet the requirements of the American Red Cross Instructor's course. Certificates are awarded to those who qualify.

PHED 394**Lifeguard Training (3)**

WINTER

Prerequisites: (1) Swim 500 yds continuously, using each of the following strokes for a 100 yds each: front crawl, breaststroke and sidestroke; remaining 200 yds student's choice. No time requirement for this skill; (2) Submerge to a minimum of 7 ft. and retrieve a 10 pound object, and return with it to the surface. No time requirement for this skill; (3) Tread water for two minutes using legs only. These skills will be tested the first class session.

A nationally certified course for Eastern Washington University students designed to teach lifeguard candidates the skills and knowledge needed to prevent emergencies and respond to aquatic emergencies (Professionalism, Prevention, Aquatic Rescues, CPR for the Professional Rescuer, First-aid and Spinal Injury Management). This course certification (National American Red Cross Lifeguarding) will prepare and qualify students for aquatic employment throughout the United States.

PHED 395**Field Practicum (2)**

FALL/WINTER/SPRING

Prerequisites: PHED 170, 250, 251, 252, HLED 194. Course designed to provide a minimum of 20 hours of practicum school experience in teaching physical education or coaching. The student works in an assistant capacity under a master teacher or coach (elementary or secondary level). Journal procedures are planned and evaluated with the University instructor. At least two on-site visits are made by the instructor.

PHED 396**Experimental Course (1-5)**

FALL/WINTER/SPRING

PHED 450**Physical Education Curriculum (3)**

SPRING

Prerequisite: PHED 170 or Junior standing. Construction of physical education courses and programs at the elementary/secondary levels (K-12).

PHED 451**Administration of Physical Education, Athletics and Intramurals (3)**

Prerequisite: PHED 170 or Junior standing. A study of organization and administration of programs and people—short- and long-range planning and management.

PHED 452**Adapted Physical Education (4)**

FALL

Prerequisite: Junior standing or permission of the instructor. Laws and skills required of physical educators for the inclusion of all students with physical, mental or social disabilities within a least restrictive environment.

PHED 454**Measurement and Evaluation in Health and Fitness (3)**

WINTER

Prerequisite: EDUC 303 or permission of the instructor. The formulation, use and application of various tests and measuring devices in pupil and program evaluation in health and fitness. Examines the uses of grading and grading techniques, as well as basic descriptive statistics applicable to health and fitness.

PHED 461**Sport and Exercise Psychology (3)**

FALL

Prerequisite: PHED 251 or permission of the instructor. Designed to provide physical education teachers and coaches with information about motivation, communication, stress management, mental imagery and other topics for enhancing instructor-performance relationships and for stimulating improved sport performances.

PHED 462**Sport Pedagogy III (3)**

Prerequisite: PHED 260 (Level I Certification).

Designed to provide physical education teachers and athletic coaches with information relative to effective teaching practices and principles in the athletic realm.

PHED 463**Sport Physiology II (3)**

Prerequisite: PHED 260 (Level I Certification).

Designed to provide information relative to the acute and chronic physiological effects of exercise on the human body. Allows the implementation of safe and effective training programs specific to individual needs. Lab.

PHED 464**Sports Medicine for Coaches II (3)**

Prerequisite: PHED 260 (Level I Certification).

Prepares the prospective coach to responsibly manage the care and prevention of athletic injuries, including both chronic and acute onset conditions. Special attention given to the limitations and responsibilities of the coach in providing athletic injury care, appropriate initial care considerations and routine injury evaluation procedures. Lab.

PHED 465**Sport Law and Time Management II (3)**

Prerequisite: PHED 260 (Level I Certification).

Designed to provide physical education teachers and coaches with information on how to reduce the risks of lawsuits within their programs. Also focuses on developing a proper perspective on organizing and managing your time. Lab.

PHED 490**Senior Capstone in Health and Fitness (Teaching) (4)**

FALL

[satisfies senior capstone university graduation requirement.]

Prerequisites: HLED 365 and PHED 367 or permission of the instructor and senior standing.

A comprehensive course specific to health and fitness knowledge, skills and practical hands-on teaching experience with variable content. Students will develop outlines and lesson plans, and practice generic and specific instruction and management skills necessary for effective teaching.

PHED 495**Professional Internship (15)**

FALL/WINTER/SPRING

Learning Contract must be on file before the internship commences. Prerequisites: Senior standing and permission of the instructor.

A full-time working experience in a corporate, YWCA, YMCA or other pertinent fitness program comparable to the student's professional aspirations. The experience is under the direction of an exercise physiologist or a person of equivalent training. An approved CEL.

PHED 496**Experimental Course (1-5)**

FALL/WINTER/SPRING

A course in the developmental stages.

PHED 497**Workshops, Short Courses, Conferences (1-5)**

FALL/WINTER/SPRING

Workshops dealing with specific aspects of physical education are conducted either during the summer or by extension.

PHED 498**Seminar (1-5)**

FALL/WINTER/SPRING

PHED 499**Directed Study (1-15)**

FALL/WINTER/SPRING

Prerequisites: Junior standing or permission of the instructor and the department chair.

Study of selected problems in the field of physical education.

PHED 505**Current Issues Seminar (3)**

This course introduces students to the different specialization areas in the MS program and prepares students for the graduate school experience. At the conclusion of this course, students are expected to have chosen a graduate advisor appropriate for their specialization.

PHED 506**Socio-cultural Studies in Physical Activity (3)**

An examination of the nature and place of physical activity in American life. Emphasis will be allowing graduate students an opportunity to analyze the interrelationship between sport and physical activity with institutions, social systems and culture. Historical and sociological understandings of the importance of physical activity in culture, including sport, physical education, exercise science and health issues will be explored.

PHED 507**Administration and Management in Health and Physical Education (3)**

This course involves the planning, financing, designing, managing and administering of health, physical education, recreation and athletic facilities and programs.

PHED 508**Psychological Behavior in Sport (3)**

Prerequisite: General psychology course.

An examination of individuals participating in play, games, sports and their competitive behavior.

PHED 509**Advanced Pedagogy in Physical Education (3)**

Prerequisite: Graduate standing.

A course detailing methods and procedures to teaching physical education classes and coaching athletic teams at all educational levels. The strong focus on advanced technology and methodology emphasizes that proper teaching/coaching procedures and techniques be employed in the instructional process, while allowing varying and personal teaching styles and attitudes to surface.

PHED 510**Advanced Motor Control and Learning (3)**

Provides the student with a comprehensive understanding of how physical movements are controlled and learned. Such an understanding is of practical importance to teachers and coaches of physical performers.

PHED 511**Applied Sport Psychology (3)**

Prerequisite: PHED 508.

Provides comprehensive overview of applied educational strategies and techniques in sport and exercise psychology. Techniques such as imager, goal setting, self-talk, PRT and autogenies will be discussed as a means to achieve a prospective level of motivation, emotional control, self-confidence and concentration.

PHED 512**Motivation in Sport and Exercise (3)**

This class is designed to assist physical educators, coaches, recreation specialists and others interested in sport motivation. Students will be introduced to a broad range of theoretical and applied motivational questions, including investigation of major motivational theories and paradigms, identification of primary motivational antecedents and consequences, as well as discussions on important measurement issues comparing the effectiveness of the most influential intervention strategies for enhancing motivation, and applying the motivational theory to answering critical applied motivational questions in sport and exercise.

PHED 518**Review of Literature (3)**

Prerequisite: PHED 505 or permission of instructor. Review of research literature to assist the student in identifying areas of research in their discipline.

PHED 519**Statistics in Physical Education (3)**

Application, analysis and manipulation of datasets drawn from research in physical education using SPSS and SAS.

PHED 520**Research Methods in Physical Education (3)**

Prerequisites: PHED 518 and PHED 519 or permission of the instructor.

Study of the methods and techniques of research in physical education; practice in application to problems of current interest.

PHED 521**History and Philosophy in Sport and Physical Activity (3)**

This course is an examination of historical and philosophical issues pertaining to sport and physical activity as it relates to global culture. Topics will include ethics, sportsmanship, gamesmanship, play and cultural influences of sport and physical activity from a historical and philosophical framework.

PHED 522**Risk Management: Sport and School Law (3)**

This course is a study of legal issues as they relate to athletic administrators, coaches, teachers and sport management personnel in the sporting realm. Students will examine and discuss current legal standards, issues and risk management theories utilizing case law studies, which will provide an understanding of the responsibilities and working knowledge of the law.

PHED 523**Program Promotion and Advocacy (3)**

This course is designed to assist students in developing or enhancing their promotional efforts in advocating for their selected program. If you are currently engaged in implementing promotional activities, this class will provide you with an opportunity to enhance your efforts. If you need to start a promotional project, this class will kick-start you.

PHED 524**Sports Marketing (3)**

This course is a study of sports marketing theories from experience and research, which provides an examination of marketing strategies, plan development, sporting organizational needs and goals, in both the public and private sector of sports business. Students will also reflect upon the influence of licenses, sponsorships, promotions, advertising, broadcasting and sales in the sporting world.

PHED 539**Special Topics in Physical Education (1-3)**

Study of selected problems in the field of physical education.

PHED 550**Advanced Biomechanics (3)**

An examination of the mechanical aspects of human movement with an emphasis placed on descriptive and causal analysis. Students will perform laboratory projects using force plates, digitization of movement and electromyography. Undergraduate experience in physics or biomechanics is expected to enroll in this course.

PHED 554**Advanced Anatomical Kinesiology (3)**

Prerequisites: PHED 249 and 250.

Emphasis is directed toward techniques of study of muscular movement and their anatomical interrelationships. An extensive analysis of normal function, upon which implications for clinical applications are based.

PHED 555**Advanced Physiology of Exercise (3)**

The physiological effects of muscular exercise, physical conditioning and training along with the significance of these effects on health and physical performance will be discussed. Students are expected to possess a background in undergraduate anatomy and physiology as well as a course in exercise physiology to enroll in this course. Check with your advisor if you are unsure about your preparation for this course.

PHED 556**Advanced Cardiovascular Physiology (3)**

An in-depth understanding of the physiological effects of exercise on the cardiovascular system, the significance of EKG interpretation and cardiac rehabilitation as they relate to exercise.

PHED 596**Experimental Course (1-6)****PHED 597****Workshops (1-9)**

Note: Workshop credit cannot be used to fulfill graduate degree requirements.

PHED 598**Seminar (1-6)**

Seminars dealing with special aspects of physical education

PHED 599**Independent Study (1-6)****PHED 600****Thesis (1-9)****PHED 601****Research Report (1-6)****PHED 695****Internship (1-15)**

FALL/WINTER/SPRING

Prerequisite: Graduate standing in the MS in PE program and minimum 3.0 cumulative GPA. The purpose of this course is to gain professional experience in the student's chosen career path under the guidance of a professional currently employed in the field. A wide variety of internship experiences are available including teaching, administration, marketing, research and professional writing.

PHED 696**College Teaching Internship (1-15)**

Teaching a lower-division college course under supervision of a regular faculty member. Includes course planning, arranging bibliographical and instructional aids, conferences with students, experience in classroom instruction, completion of a departmental project and student course evaluation.

Recreation and Leisure Services Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

RCLS 125**Recreation and Leisure Services Activities****[Coeducational] (1)**

FALL/WINTER/SPRING

Backpacking, basic rock climbing, scuba diving, skiing (cross country), canoeing and rafting.

RCLS 200**Recreation and Leisure Services in****Washington (2)**

Traveling field study offered during the week before the start of fall quarter. Conducted as a traveling camp class with visits to 20-25 selected metropolitan, district, state, federal and private recreation areas for evaluation of administrative practices, area management, operation policies and trends.

RCLS 201**Recreation and Leisure in Modern Society (3)**

FALL/WINTER/SPRING

An introduction and orientation to the professional opportunities, areas, requirements and responsibilities involved in the professional preparation of recreation and leisure services administrators. Includes basic problems and trends influencing the status of recreation and leisure in our contemporary society. Covers history, definitions and professional organizations.

RCLS 205**Outdoor Related Sports (3)**

Introduction to outdoor related activities not normally taught in a university curriculum. Such activities are: shooting, horsemanship, lawn games, boating, competitive events, etc. Emphasizes skill development in comprehensive planning for program utilization.

RCLS 206**Wilderness Backpacking (3)**

FALL

An introduction to techniques and procedures of living and traveling in a wilderness environment. Special attention is given to modern conservation practices for using and preserving wilderness. Includes two weekend field experiences.

RCLS 220**Leadership in Recreation and Leisure****Services (3)**

FALL/SPRING

Emphasis on the elements of leadership in the recreation setting. Designed to help provide ideas on how to lead programs so they fit participant needs. Fieldwork is part of the requirement.

RCLS 230**Whitewater Kayaking (2)**

FALL

This course is designed to instruct paddlers in whitewater kayaking techniques. The course will emphasize the essential skills needed for paddling moderately difficult rivers. The basic kayaking skills that are taught in the course include: paddle strokes, boat control and basic whitewater safety information.

RCLS 240**Overview of Therapeutic Recreation Services (4)**

FALL/SPRING

This course focuses on understanding the basic problems, needs and strengths of all disability groups in relation to developing and implementing a therapeutic recreation program.

RCLS 241**Eurhythmic Therapy (2)**

Provides you with methods, materials, techniques and program development in preparation for using music to help the developmentally disabled better understand themselves and their use of leisure time.

RCLS 245**Therapeutic Recreation for the Disabled (3)**

WINTER

Deals with basic information necessary for you to identify, define and describe major physical disabilities including their implications for therapeutic recreation programming.

RCLS 250**Camping Administration and Leadership (3)**

WINTER-ODD YEARS

Covers such items as philosophy, objectives, planning and operation of camps. Provides an overview of counselors' responsibilities, programming, marketing, health and safety, as well as individual and group guidance techniques and trends.

RCLS 260**Arts in Recreation (3)**

FALL/SPRING

Methods and materials in planning, instructing and leading arts and crafts, creative dramatics, story telling, puppetry, music and dance in a recreation setting.

RCLS 300**Publicity and Promotion in Recreation (4)**

SPRING

Provides skills, techniques and ideas for designing visual aids, working with the media and developing a five-step promotion package for recreation and leisure service agencies.

RCLS 305**Winter Camping (3)**

WINTER

Prerequisite: RCLS 206 or permission of the instructor. Introduction to winter camping and modes of over-snow travel such as snowshoeing and cross-country skiing. Emphasizes skill development in winter camping techniques, natural shelter construction and equipment familiarization, supported through field experiences.

RCLS 307**Mountaineering (3)**

SPRING

Prerequisite: RCLS 305 or permission of the instructor. Designed to provide a comprehensive program of basic mountaineering. Intensive consideration given to snow and glacier travel as well as other skills necessary for safe alpine mountaineering. Includes two weekend field trips.

RCLS 310**Outdoor Recreation (3)**

WINTER-EVEN YEARS

Introduction to the philosophical concepts of leisure related to outdoor recreation programming. Covers such areas as history, contributions of outdoor activities, land-use ethics, governmental agencies, pertinent issues and trends in outdoor recreation.

RCLS 315**Wilderness Survival (3)**

SPRING

Provides basic life-support skills and information to help you predict and prepare for the types of emergencies you are likely to encounter in a particular geographic location. Course includes an overnight encounter with limited supplies.

RCLS 320**Community Recreation (3)**

Varied aspects of school and community playgrounds and community centers; administrative and leadership techniques; programming of activity centers and problems relating to planning and operation of these programs.

RCLS 325**Outdoor Adventure Programming (3)**

FALL/SPRING

A survey of outdoor adventure education programs. Includes historical development and future trends as well as methods of initiating outdoor adventure education within a curriculum or program.

RCLS 330**Youth Serving Agencies (3)**

An overview of objectives, work opportunities, organization, program and membership of principal national, state and local youth membership agencies.

RCLS 335**Leisure Counseling (3)**

Prerequisite: RCLS 240 or permission of the instructor. Designed to assess issues confronting a person's use of leisure; to help you develop and implement leisure counseling programs; to examine models, techniques and instruments presently used; and to help you gain practical experience using leisure counseling instruments.

RCLS 340**Aquatic Facilities Management (3)**

WINTER

Emphasis on pool, beach and lake properties concerning operation, administration, maintenance, supervision, trends, water chemistry, health and safety, public relations and other aquatic topics.

RCLS 345**Swimming for the Handicapped (3)**

Prerequisite: Swimmer or permission of the instructor.

Emphasizes methods, materials and techniques of teaching swimming skills to the physically handicapped and mentally retarded.

RCLS 349**Intramural Sport Management (3)**

FALL

Intramural programming, along with officiating methods, trends and scheduling. Officiating covers all major sports. ACEP program included.

RCLS 350**Recreation Practicum (5)**

FALL/WINTER/SPRING

Prerequisites: RCLS 201.

Direct observation and on-the-job participation in the programming and operation of recreation programs within the local recreational community to enhance your programming, scheduling and leadership techniques under a supervised situation.

RCLS 355**Winter Camping for Special Populations (3)**

Prerequisite: RCLS 240 or permission of the instructor.

This course is designed to provide students with procedures and information to help them establish a winter camping program for a variety of special populations. Includes two weekend field experiences.

RCLS 360**Facility Planning and Environmental Design (3)**

FALL

Prerequisite: RCLS 201 and junior standing or permission of the instructor.

Design and trends in recreation facilities, as well as knowing environmental design techniques, environmental impact statements and inter-agency cooperation. Field work is part of the requirement.

RCLS 365**Skiing for the Handicapped (2)**

WINTER

This course is designed to acquaint you with current alpine teaching progressions and their applications to skiing for the handicapped. You are assigned a handicapped skier to work with during the quarter.

RCLS 370**Outdoor Recreation Aquatic Programs (3)**

SPRING-ODD YEARS

Prerequisites: RCLS 125 (Rafting).

An overview of major outdoor aquatic adventures such as river rafting and kayaking. Emphasis placed on developing a fundamental awareness of skills necessary in each activity in addition to logistical and business aspects of conducting excursions.

RCLS 375**Intermediate Whitewater Rafting Technique (4)**

SPRING

Prerequisite: RCLS 125 Rafting or permission of the instructor.

The course focuses on intermediate rafting techniques and the development of leadership procedures in paddle rafts. River skills and guide competencies will be developed through hands-on experience. Emphasis will be placed on good decision making and safety concerns for rafting on fast flowing class III and IV whitewater. Leadership skills will be developed by students learning to be river guides and maneuvering heavy rafts on the most difficult whitewater section of the Spokane River. A three-day field trip is required.

RCLS 380**Industrial, Commercial and Private Recreation (3)**

Prerequisite: RCLS 201.

Designed to provide an overview of industrial, commercial and private recreation. Covers topics such as: history, trends, characteristics, background, the dilemma of capitalism, company benefits, organization, programming, physical fitness, employee services and professionalization.

RCLS 385**Programming in Recreation and Leisure Services (3)**

FALL/WINTER

This course presents steps to programming within the role and structure of public and private recreation services. Special focus is placed on determining participant needs and values, brainstorming, selection and implementation of ideas, evaluation techniques, and volunteer recognition and retention. Fieldwork is part of the requirement.

RCLS 395**Internship (CEL) (1-15)**

FALL/WINTER/SPRING

An opportunity to gain field experience with various recreation and leisure service agencies.

RCLS 400**Legal Foundations in Recreation and Leisure Services (3)**

WINTER

Prerequisite: RCLS 201 and 220 or permission of the instructor.

Presents the major considerations necessary to comply with legal safeguards in the leisure service profession.

RCLS 405**Wilderness Upgrade for Medical Professionals (4)**

FALL

Prerequisite: HLED 194 or permission of the instructor. This course teaches specific care and treatment of injuries and illnesses common to a mountaineering or wilderness environment. Special emphasis is placed on administering to patients when professional medical help is unavailable or nonexistent. A variety of resource specialists present portions of the course.

RCLS 410**Outdoor Leadership (4)**

FALL

Prerequisites: RCLS 201 and 220 and junior standing or permission of the instructor.

A culmination of the outdoor recreation and skill-oriented courses with an emphasis on the concepts of outdoor leadership. Offers opportunities in group dynamics, program planning. Objective is to foster necessary attitudes and leadership skills related to adventure in outdoor recreation through field experiences. Includes two weekend field trips.

RCLS 415**Search and Rescue Management (4)**

WINTER

Prerequisite: Junior standing or permission of the instructor.

A practical approach to learning search and rescue techniques and management. Emphasis on search and rescue techniques and related administrative procedures. A variety of resource specialists will present portions of the course.

RCLS 420**Program Planning and Evaluation in Therapeutic Recreation (5)**

WINTER

Prerequisites: RCLS 245, PHED 249, senior standing or permission of the instructor.

Purpose is to suggest various activities which may be used in rehabilitation of the disabled. Selection of activities is made upon a social-behavior skill factor analysis of the activity. Lab.

RCLS 425**Evaluation, Research and Statistics in Recreation and Leisure Services (4)**

SPRING

Prerequisites: RCLS 385 and junior standing or permission of the instructor.

Covers basic methods of personnel and program components. Methods of sampling and survey techniques are addressed as they relate to recreation and leisure services.

RCLS 430**Philosophy, Trends and Justification in Recreation and Leisure Services (3)**

FALL

Prerequisites: RCLS 201, 220. Course offers a deeper insight into philosophies of why people need recreation, while studying a variety of conceptual approaches to leisure. Designed to give students a sound philosophical base on which to justify the need for a recreation, park and leisure services program, and to enhance research and professional writing skills.

RCLS 435**Employment Processes in Recreation and Leisure Services (2)**

FALL

Prerequisites: RCLS 201 and 220 and senior standing. Designed to introduce the recreation student to the employment process: recruiting, application and resume screening, interviewing, checking of references, hiring, on-the-job training and probationary period.

RCLS 440**Professional Issues in Therapeutic Recreation (4)**

FALL

Prerequisites: RCLS 240, junior standing. Course keeps you informed of the constant changes and developments in the therapeutic recreation profession.

RCLS 445**Processes and Techniques in Therapeutic Recreation (4)**

SPRING

Prerequisites: RCLS 245 and PHED 249 and senior standing or permission of the instructor.

Designed to assist therapeutic recreation majors with the mastery of skills, attitudes and knowledge required for professional service in therapeutic recreation. Special attention given to the therapeutic recreation specialist as a therapist in a medical model.

RCLS 450**Assessment Techniques in Therapeutic Recreation (4)**

FALL

Prerequisite: RCLS 201, 245 and 249 and senior standing or permission of the instructor.

Designed to enable the Therapeutic Recreation major to develop an understanding of the process of assessment and the use of appropriate "standardized" tools used by the profession. A number of the most widely accepted tools will be studied in-depth.

RCLS 455**Resort and Commercial Recreation Management (3)**

WINTER

Prerequisites: RCLS 201 and 385.

This course is intended to provide working management knowledge related to resort and commercial recreation enterprises.

RCLS 460**Park Maintenance and Operation (4)**

FALL

Prerequisites: RCLS 201, 220 and 320. Offers management principles and technical information related to maintenance and operation of park and recreation areas and facilities. Field work is part of the requirements.

RCLS 465**Travel and Tourism (4)**

WINTER

Prerequisites: RCLS 201 and 455, or permission of the instructor.

Explores the travel industry-past, present and future, along with government role, public policy, tourism development and career information. Contact with regional tourism professionals and discussion of needs assessment strategies are also vital components of this course.

RCLS 470**Administration, Organization and Supervision in Recreation and Leisure Services (4)**

FALL/SPRING

Prerequisite: RCLS 425 and senior standing or permission of the instructor.

Local, state and federal recreation and park programs; their organization and administration, and their relation to other social institutions; special emphasis on planning, financing and legislative provisions, governmental control, budget, personnel, departmental organization and administrative practices, especially on the local level.

RCLS 480**Budgeting in Recreation and Leisure Services (4)**

WINTER

Prerequisites: RCLS 201 and RCLS 385 or permission of the instructor.

This course is designed to identify both traditional and innovative methods of financing recreation services at the public and private level along with an analysis of personal spending and budgeting procedures. A complete budget document for a selected organization will be developed.

RCLS 490**Senior Capstone in Recreation (4)**

[Satisfies senior capstone university graduation requirement.]

WINTER

Prerequisites: RCLS 470 and senior standing.

This course is designated as the capstone course for those students majoring in recreation and leisure services within the department of PEHR. An end-of-program assessment will be completed for each major. The course will focus on the major issues and problems facing recreation professionals as they enter the field. Using group problem solving techniques, lecture and a research paper, the students will present and defend a position on an issue or develop and defend a solution to an existing problem. A major focus will be for the students to further develop their understanding of the group process as it relates to being a member of a team as well as the ability to effectively use resources to develop a research paper.

RCLS 493**Therapeutic Recreation Professional Internship (15)**

SUMMER

Prerequisites: Compliance with RCLS department's internship requirements.

Full-time working experience in a therapeutic recreation service setting in line with your professional aspirations. Actual involvement in recreation and program planning; implementation supervision and program evaluation under professional and faculty supervision.

RCLS 494**Outdoor Recreation Professional Internship (15)**

SUMMER

Prerequisites: Compliance with RCLS department's internship requirements.

Full-time working experience in an outdoor recreation service setting in line with your professional aspirations. Actual involvement in recreation and program planning; implementation supervision and program evaluation under professional and faculty supervision.

RCLS 495**Recreation Management Professional Internship (15)**

SUMMER

Prerequisites: Compliance with RCLS department's internship requirements.

Full-time working experience in a recreation and leisure service setting in line with your professional aspirations. Actual involvement in recreation and program planning; implementation supervision and program evaluation under professional and faculty supervision.

RCLS 496**Experimental Course (1-15)**

FALL/WINTER/SPRING

RCLS 497**Workshops, Short Courses, Conferences (1-5)**

FALL/WINTER/SPRING

Periodically scheduled special workshops deal with aspects of recreation and leisure services.

RCLS 498**Seminar (1-5)**

FALL/WINTER/SPRING

Periodically scheduled special seminars deal with aspects of recreation and leisure services.

RCLS 499**Directed Study (1-15)**

FALL/WINTER/SPRING

Prerequisite: Permission of the instructor.

Selected problems in the field of recreation and leisure services.

PHYSICAL THERAPY

College of Science, Health and Engineering

Byron Russell, Chair

270 Health Science Building

310 N. Riverpoint Blvd.

Spokane, WA 99202-1675

(509) 368-6608

DPT

Faculty: K. Cleary, N. Erikson, W. Erikson, M. Gersb, T. LaPier, T. Lewis, R. Mizner, B. Russell, D. Vander Linden

GRADUATE PROGRAM**Doctor of Physical Therapy**

The curriculum is designed to prepare leaders for the profession of physical therapy whose focus of practice is to diagnose and manage movement dysfunction and enhance the physical and functional abilities of the clients they serve. The curriculum consists of 11 sequenced quarters of full-time attendance. Basic science courses and physical therapy skill courses are taught in the first academic year. A clinical internship is offered in the summer after the first academic year. In the second year clinical science courses integrate medical science knowledge through increasingly complex client scenarios. Within the clinical science courses, students address client problems in a format consistent with the five elements of patient care (examination, evaluation, diagnosis, prognosis and intervention) which are described in the *Guide to Physical Therapist Practice*. These elements of patient care are used to address client problems in each of the four practice patterns which include patients with musculoskeletal, neuromuscular, cardiopulmonary or integumentary disorders.

Professional seminars are embedded in the curriculum as are courses in evidence-based practice and clinical research. Students will successfully complete a comprehensive examination at the end of the second year to advance to the final three 10-week clinical internships.

Class sizes are restricted each year to ensure optimal student learning, thus enabling each student to receive comprehensive instructional and clinical experiences.

The Department of Physical Therapy is fully and unconditionally accredited by the Commission on Accreditation in Physical Therapy Education.

Admissions Requirements/Preparation

The admission process to the Doctor of Physical Therapy program is competitive. The requirements listed below are the **minimum** acceptable requirements to **apply** to the program and are not indicative of the competitive range of students generally accepted into the professional physical therapy program.

1. Qualify and apply for acceptance into Eastern Washington University Graduate Studies.
2. Complete a baccalaureate degree at an accredited institution by August 15 of the year of application.
3. Complete the Graduate Record Examination (GRE) by December 31 prior to application deadline.
4. Complete the courses listed below, designated for the "science major." Please note that courses designated for nursing students, or allied health professions students, are **not** acceptable in lieu of the science prerequisites for science majors listed below: **Please note that some of these courses may require prerequisites prior to admission into the course.**

Biology (Zoology) with labs to include:

1 quarter (1 semester) of Human Anatomy

1 quarter (1 semester) of Human Physiology

1 quarter (1 semester) upper division course in (300 level or above) Human or Animal Physiology

This requirement may be satisfied by a course in Exercise Physiology, offered through an Exercise Science department.

1 quarter (1 semester) advanced course (300 level or above) of your choosing (at least 3 semester credits or 4 quarter credits) in Biology or Zoology

Recommended courses include Embryology, Microbiology, Developmental Biology, Cell Biology, Pathology (**Note that classes in botany, fish and wildlife biology and ecology will not satisfy this requirement.**)

Chemistry with labs to include:

3 quarters (2 semesters) of Chemistry

Physics with labs to include:

3 quarters (2 semesters) of Physics

Psychology or Behavioral Science

1 quarter (1 semester) of Abnormal Psychology

1 quarter (1 semester) of Statistics

A minimum of 2.0 (C) is required to fulfill each course listed above for the course to be counted toward your prerequisite fulfillment. Note that an overall prerequisite GPA of 3.00 is required for application.

All prerequisite course work must be completed by August 15 of the application year.

*Note: Courses from other institutions with a pre-Physical Therapy or Physical Therapy title will **NOT** count toward meeting either prerequisite or professional degree requirements.*

- Complete a baccalaureate degree with a **minimum** overall cumulative GPA of 3.00, and a minimum GPA in prerequisite courses of 3.00, at the time of application and admission.
- Complete a **minimum** of 75 hours of work/observation/volunteer experience under the supervision of a **licensed physical therapist**. This experience must be verified in writing by the supervising physical therapist, whose license number must appear on the verification form included with the application materials. It is strongly recommended that you maintain contact with the physical therapists who supervised your clinical experiences so that you may call upon them to verify your experiences once you have received the verification form with the application packet. Participation in at least **two** different types of practice settings (e.g., acute care institutions, rehabilitation centers, pediatric centers, residential facilities, nursing homes, schools, orthopedic outpatient clinics) is required, with a **minimum** of 30 hours in at least one of these settings.
- Have each of the following individuals complete a **letter of recommendation form** included in the application packet:
 - 1 basic science instructor
 - 1 physical therapist
 - 1 current or any former employer
- Interviews are the final stage and an integral part of the application process. Interview invitations are extended only to applicants who demonstrate competitive academic proficiency and satisfactory progress in all other areas of the application.

Applications for admission into the Doctor of Physical Therapy Program are available on our University website or upon request from:

EWU

Physical Therapy Department

270 Health Science Building

310 N. Riverpoint Blvd.

Spokane, WA 99202-1675

(509) 368-6601

debra.dickerson@mail.ewu.edu

Schedule of Courses and Credit Hours for Doctoral Program

First Year

Fall Quarter

PHTH 501 Clinical Anatomy/Physiology I (5)

PHTH 533 Functional Anatomy I (5)

PHTH 536 Physical Therapy Practice Seminar I (2)

PHTH 540 Principles of Evidence-Based Practice I (1)

PHTH 546 Integumentary Therapeutics (4)

PHTH 561 Clinical Education Seminar I (1)

Total credit hours

18 credits

Winter Quarter

PHTH 502 Clinical Anatomy/Physiology II (3)

PHTH 534 Functional Anatomy II (3)

PHTH 538 Therapeutic Exercise and Interventions (4)

PHTH 541 Principles of Evidence-Based Practice II (2)

PHTH 562 Clinical Education Seminar II (1)

PHTH 571 Neuroscience (5)

Total credit hours

18 credits

Spring Quarter

PHTH 503 Clinical Anatomy/Physiology III (3)

PHTH 542 Principles of Evidence-Based Practice III (2)

PHTH 553 Educational Aspects of Physical Therapy (2)

PHTH 554 Diagnosis in Physical Therapy (4)

PHTH 563 Clinical Education Seminar III (1)

PHTH 572 Applied Neuroscience (4)

PHTH 576 Pharmacology (2)

Total credit hours

18 credits

Summer Quarter

PHTH 547 Professional Development Seminar (2)

PHTH 569 Health Care Systems I (2)

PHTH 581 Clinical Internship I (5)

Total credit hours

9 credits

Second Year

Fall Quarter

PHTH 616 Musculoskeletal Systems I (5)

PHTH 626 Neuromuscular Systems I (5)

PHTH 634 Exercise Physiology (3)

PHTH 636 Physical Therapy Practice Seminar II (2)

PHTH 661 Clinical Education Seminar IV (1)

PHTH 675 Clinical Research I (2)

Total credit hours

18 credits

Winter Quarter

PHTH 617 Musculoskeletal Systems II (5)

PHTH 628 Neuromuscular Systems III (4)

PHTH 646 Integumentary Systems (3)

PHTH 662 Clinical Education Seminar V (1)

PHTH 665 Physical Therapy Administration (3)

Total credit hours

16 credits

Spring Quarter

PHTH 618 Musculoskeletal Systems III (4)

PHTH 627 Neuromuscular Systems II (3)

PHTH 635 Cardiopulmonary Systems (4)

PHTH 641 Multiple Systems (2)

PHTH 663 Clinical Education Seminar VI (1)

PHTH 680 Geriatrics (2)

Total credit hours

16 credits

Summer Quarter

Choose 2 of the following topics courses: (6 credits)

PHTH 639 Topics in Physical Therapy: Musculoskeletal (3)

PHTH 639 Topics in Physical Therapy: Neuromuscular (3)

PHTH 639 Topics in Physical Therapy: Cardiopulmonary (3)

PHTH 639 Topics in Physical Therapy: Integumentary (3)

and PHTH 669 Health Care Systems II (3)

Total credit hours

9 credits

Third Year

Fall Quarter

PHTH 770 Clinical Research II (3)

PHTH 780 Clinical Internship II (10)

Total credit hours

13 credits

Winter Quarter

PHTH 771 Clinical Research III (3)

PHTH 781 Clinical Internship III (10)

Total credit hours

13 credits

Spring Quarter

PHTH 772 Clinical Research IV (3)

PHTH 782 Clinical Internship IV (10)

Total credit hours

13 credits

Three-year total credit hours

161 credits

Physical Therapy Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

All courses in physical therapy are restricted to students accepted into the DPT program on a full-time basis. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

Note: Only students who have successfully completed the written comprehensive examination and who comply with the policies in the Clinical Education handbook can enroll in the third year full-time internship phase of the program.

PHTH 501

Clinical Anatomy/Physiology I (5)

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This course is the first of three focusing on the structure of the human body and its related function. This course is designed to provide the student with an opportunity to learn anatomical structures and the functional relationships of the structures to each other. The major emphasis of this course will be on the structures contained in the upper and lower extremities. Clinical correlations will be presented relating the anatomical structures discussed to the practice of physical therapy. The course is heavily weighted toward laboratory dissection. The physiology of muscle, nerve and bone will be discussed in relation to the function of the anatomical structures studied during the course.

PHTH 502

Clinical Anatomy/Physiology II (3)

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This course is the second of three focusing on the structure of the human body and its related function. This course is designed to provide the student with an opportunity to learn anatomical structures and the functional relationship of the structures to each other. The major emphasis of this course will be on the structures contained in the spine. Clinical correlations will be presented relating the anatomical structures discussed to the practice of Physical Therapy. The course is heavily weighted toward laboratory dissection. Physiological function of cells and cellular components of the nervous system emphasizing integrative neurophysiology, sensory physiology and the autonomic nervous system will be discussed.

PHTH 503

Clinical Anatomy/Physiology III (3)

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This course is the third of three focusing on the structure of the human body and its related function. This course is designed to provide the student with an opportunity to learn anatomical structures and the functional relationships of the structures to each other. The major emphasis of this course will be structures contained in the head and neck, the thoracic cavity, the abdomen and the pelvis. The physiology of the special senses of taste, smell, sight and hearing will be discussed. The physiology of the cardiovascular system including the heart and circulatory system, of the lungs and the pulmonary system and of the gastrointestinal system will be discussed in relation to the function of the anatomical structures studied during the course.

PHTH 533

Functional Anatomy I (5)

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This is the first of two courses which focus on the study of human motion with emphasis on biomechanics and functional anatomy and their relationship to the fundamental understanding of exercise concepts and musculoskeletal evaluation with application to the practice of physical therapy. Studies will include the osteokinematics, arthrokinematics and assessment of accessory joint movements of the upper and lower extremities. Musculoskeletal evaluation will focus on manual muscle testing, goniometry and surface anatomy to include palpation.

PHTH 534

Functional Anatomy II (3)

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This is the second of two courses which focus on the study of human motion with emphasis on biomechanics and functional anatomy and their relationship to the fundamental understanding of exercise concepts and musculoskeletal evaluation with application to musculoskeletal dysfunction. Studies will include the osteokinematics, arthrokinematics and assessment of accessory joint movements of the spine and temporomandibular joint. Musculoskeletal evaluation of the spine and head will include manual muscle testing, goniometry, palpation of surface anatomy structures and posture with reference to the whole body.

PHTH 536

Physical Therapy Practice Seminar I (2)

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This course examines the professional role of the physical therapist, the American Physical Therapy Association, the history of the profession, Standards of Practice, the Code of Ethics, licensure issues, current issues facing the physical therapy practitioner and the law related to physical therapy.

PHTH 538

Therapeutic Exercise and Interventions (4)

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This course includes concepts and practice with therapeutic exercise and interventions, including passive, active assistive, active and resistive range of motion, strengthening programs, stretching exercises, mobilization techniques for the extremity joints, relaxation exercises and gait training. Students will develop and write home programs, design exercise programs for therapeutic purposes and critically analyze interventions.

PHTH 540

Principles of Evidence-Based Practice I (1)

Graded Pass/No Credit.

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This is the first of three courses designed to introduce the student to evidence-based practice and the process of critical inquiry. These courses will prepare the student to become a knowledgeable consumer of research and the professional literature as it relates to the practice of physical therapy. In this course the student will develop competence in identifying, locating, retrieving, understanding and applying the

principles of research to the practice of physical therapy. (Cross-listed OCTH 520)

PHTH 541

Principles of Evidence-Based Practice II (2)

Graded Pass/No Credit.

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This is the second of three courses designed to introduce the student to evidence-based practice and the process of critical inquiry. These courses will prepare the student to become a knowledgeable consumer of research and the professional literature as it relates to the practice of physical therapy. In this course the student will develop an understanding of research design, research methods and statistical applications related to critical inquiry in physical therapy. Students will develop writing skills through critique of scholarly works and the preparation of a literature review.

PHTH 542

Principles of Evidence-Based Practice III (2)

Graded Pass/No Credit.

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This is the third of three courses designed to introduce the student to evidence-based practice and the process of critical inquiry. These courses will prepare the student to become a knowledgeable consumer of research and the professional literature as it relates to the practice of physical therapy. In this course the student will develop an understanding of outcome measures used in physical therapy to document effectiveness and efficacy of clinical practice. Students will develop oral presentation skill through the preparation and presentation of a group project on a specific outcome measure.

PHTH 546

Integumentary Therapeutics (4)

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This course provides the student with classroom discussion and laboratory experiences on the physiological bases for and clinical applications of physical therapy interventions applied to the integumentary system. These include massage, superficial and deep heat, ultraviolet radiation, cryotherapy, aquatic therapy, hydrotherapy and basic wound management. Foundational client management skills such as positioning, draping, transfers, universal precautions and examination of vital signs are also included.

PHTH 547

Professional Development Seminar (2)

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

The purpose of this seminar is to provide students with opportunities to explore the responsibilities and behaviors expected of the physical therapist and to assess their own progress toward professional development. Included are presentations by master clinicians and group discussions with experts to explore issues of professional development.

PHTH 553**Educational Aspects of Physical Therapy (2)**

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This course will introduce the student to the role of the physical therapist as an educator. The course includes theories of teaching and learning, the importance of learning styles, behavioral objectives, evaluation of teaching, motivation and compliance and adult learners. The differences in educating multicultural patient populations will be discussed. Clinical teaching will be done in role-playing situations. Students will prepare and present a teaching unit to a community group.

PHTH 554**Diagnosis in Physical Therapy (4)**

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This course will introduce the student to radiology, lab values and pathology and their application to current physical therapy practice. The course will provide: (1) a model for diagnostic decision making within a physical therapy scope of practice, (2) an overview of systems to facilitate the students' knowledge of signs and symptoms that mimic musculoskeletal conditions, and (3) the skills/behaviors/knowledge needed for safe practice.

PHTH 561**Clinical Education Seminar I (1)**

Graded Pass/No Credit.

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This is the first of six clinical education seminars. The purpose of these seminars is to prepare students for the clinical internships. Included in *Clinical Education Seminar I* are an introduction to the clinical education program, procedures for internship site selection, introduction to the generic abilities and education in the Occupation Health and Safety Administration requirements.

PHTH 562**Clinical Education Seminar II (1)**

Graded Pass/No Credit.

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This is the second of six clinical education seminars. The purpose of these seminars is to prepare students for the clinical internships. Included in *Clinical Education Seminar II* are discussions on clinical education, the generic abilities and AIDS education.

PHTH 563**Clinical Education Seminar III (1)**

Graded Pass/No Credit.

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This is the third of six clinical education seminars. The purpose of these seminars is to prepare students for the clinical internships. Included in *Clinical Education Seminar III* are discussions of the role of the clinical instructor, characteristics of an effective clinical instructor and an effective student, the Clinical Performance Instrument and cardiopulmonary resuscitation.

PHTH 569**Health Care Systems I (2)**

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This course is the first of two courses that address health care delivery issues. This course explores and

compares models of health care systems. Included are the issues of managed care, multiprovider systems, marketing, availability and accessibility of health care.

PHTH 571**Neuroscience (5)**

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

The structure and function of the central nervous system (CNS) are presented in this foundational course in physical therapy. The relationships between the somatosensory system, spinal cord and brainstem reflexes and motor systems are presented. Students will also learn how the CNS develops, and the consequences of malformations of the CNS during development. Clinical signs and symptoms of specific CNS pathology will be presented and related to patients with movement disorders that receive physical therapy services.

PHTH 572**Applied Neuroscience (4)**

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This course provides the student with the opportunity to apply principles of neuroscience, anatomy and biomechanics to the control of sensation, posture and balance, motor control in disordered systems and motor learning. Students will learn to perform clinical sensory, reflex and cranial nerve examinations, electrophysiologic examinations, examinations of posture, balance, spasticity and rigidity. Students will also learn to apply selected physical therapy interventions directed at modulation of the sensory and motor systems.

PHTH 576**Pharmacology (2)**

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

The course provides a basic knowledge of pharmacology for the physical therapist in order to incorporate the effects of drugs into an appropriate design and implementation of the patient care process.

PHTH 581**Clinical Internship I (5)**

Graded Pass/No Credit.

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

Clinical Internship I consists of a full time educational experience in a clinical setting for 5 (five) weeks during summer quarter of the first year of the DPT Program. The primary purposes are to gain experience with examination, evaluation and intervention skills learned in the first academic year, practice and demonstrate developing level behavioral criteria in the generic abilities, and interact with patients and health care professionals in the clinical environment.

PHTH 596**Experimental Course (1-8)****PHTH 599****Independent Study (1-8)**

Prerequisites: Permission of the instructor and department chair.

PHTH 616**Musculoskeletal Systems I (5)**

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This course is the first of three utilizing a case-based problem solving approach to the examination

and treatment of musculoskeletal conditions. The emphasis is on clients with fractures and amputations. The course facilitates the student's abilities to problem solve simple diagnoses to more complex diagnoses within the scope of physical therapy practice. Physical therapy interventions will be addressed.

PHTH 617**Musculoskeletal Systems II (5)**

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This course is the second of three utilizing a case-based problem solving approach to the examination and treatment of musculoskeletal conditions. The emphasis is on clients with arthritis and soft tissue injuries in or of the extremities. The course facilitates the student's abilities to problem solve simple diagnoses to more complex diagnoses within the scope of physical therapy practice. Physical therapy interventions will be addressed.

PHTH 618**Musculoskeletal Systems III (4)**

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This course is the third of three utilizing a case-based problem solving approach to the treatment of musculoskeletal conditions. The emphasis is on clients with spinal dysfunction. Additional orthopedic conditions addressed include the temporomandibular joint, thoracic outlet/inlet syndrome, soft tissue mobilization and physical therapy in industry. The course facilitates the student's abilities to problem solve simple diagnoses to more complex diagnoses within the scope of physical therapy practice. Physical therapy interventions will be addressed.

PHTH 626**Neuromuscular Systems I (5)**

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This course utilizes a client-centered (case study) approach to provide the student with the knowledge and skills to manage a client with peripheral or central nervous system disorder. This course includes, but is not limited to, the care of clients with peripheral neuropathy, cranial nerve dysfunction, complex regional pain syndrome (reflex sympathetic dystrophy syndrome), disorders of the basal ganglia, demyelinating diseases of the central nervous system, cerebellar dysfunction, traumatic brain injury, vestibular dysfunction, central nervous system infections and cerebrovascular accident.

PHTH 627**Neuromuscular Systems II (3)**

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This course focuses on the patient/client with spinal cord injury. Examination of this patient/client with multiple system involvement, medical systems review, therapeutic interventions, multi-disciplinary approaches to care, functional outcomes, technology and current research are all addressed.

PHTH 628**Neuromuscular Systems III (4)**

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This course utilizes a client-centered (case study) approach to provide the student with the knowledge and skills to manage a pediatric client with a disability. Theories of motor development, motor milestones and standardized assessments will be studied to provide a basis for understanding movement dysfunction in children with disabilities.

PHTH 634**Exercise Physiology (3)**

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

Study of the acute and chronic effects of exercise and work on the human body with emphasis on the processes that control and regulate important properties of living systems. Topics include the fundamentals of human energy, nutrition, measurement of human energy expenditure, the cardiovascular system, the pulmonary system, the neuromuscular system, hormone factors affecting physiological function, body composition and the effects of aging. The application of exercise for fitness and wellness in the practice of physical therapy will be emphasized.

PHTH 635**Cardiopulmonary Systems (4)**

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This course utilizes a client-centered (case study) approach to provide the student with the knowledge and skills to enable him/her to manage a client with cardiac and/or pulmonary system pathology. This course includes but is not limited to the care of clients with angina pectoris, coronary artery disease, congestive heart failure, mitral valve stenosis, myocardial infarction, post-coronary artery bypass graft surgery, heart and heart/lung transplantation, chronic obstructive pulmonary disease, bronchitis, cystic fibrosis, asthma, restrictive lung disease, pneumonia, atelectasis, pneumothorax, hemothorax and pulmonary embolus.

PHTH 636**Physical Therapy Practice Seminar II (2)**

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

The role of physical therapy in health care will be discussed. Speakers will present information on health care delivery, contrasting urban and rural areas. Community agencies, clinical decision making/ethics and the role of other health care professionals will be introduced. Leadership/advocacy issues will be addressed as they relate to these topic areas.

PHTH 639**Topics in Physical Therapy (2-6)**

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This course will provide the student with opportunities to explore specific topic areas in depth using the four practice patterns described in the *Guide to Physical Therapist Practice*: musculoskeletal, neuromuscular, cardiopulmonary and integumentary patterns. Specific course content will be offered in a variety of practice arenas to provide the participant with an opportunity to increase knowledge and skills in physical therapy practice. The behaviors and attitudes expected at the doctoral level will also be addressed.

PHTH 641**Multiple Systems (2)**

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

The course applies an analytical approach to the treatment of patients/clients with multiple systems involvement and requires integration of aspects of learning from previous courses. Emphasis is placed on comprehensive case study management of clients with psychiatric disorders, immunologic disorders, cancer, eating disorders, women's health problems, complex medical problems, metabolic disorders, hematologic disorders and medical emergencies. The topic of wellness is also explored.

PHTH 646**Integumentary Systems (3)**

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This course provides the student with the knowledge and skills to enable him/her to manage the client with integumentary disorders. The course includes, but is not limited to, the care of clients with burns, wounds, peripheral vascular disease and diabetes.

PHTH 661**Clinical Education Seminar IV (1)**

Graded Pass/No Credit.

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This is the fourth of six clinical education seminars. The purpose of these seminars is to prepare students for the clinical internships. Included in *Clinical Education Seminar IV* are discussions on the first clinical internship, the generic abilities, student responsibilities, communication, professional behavior and internship expectations.

PHTH 662**Clinical Education Seminar V (1)**

Graded Pass/No Credit.

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This is the fifth of six clinical education seminars. The purpose of these seminars is to prepare the students for the clinical internships. Included in *Clinical Education Seminar V* are active learning opportunities with physical therapist assistant students, chart review, discussion on professionalism and goal writing.

PHTH 663**Clinical Education Seminar VI (1)**

Graded Pass/No Credit.

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This is the sixth of six clinical education seminars. The purpose of these seminars is to prepare students for the clinical internships. Included in *Clinical Education Seminar VI* are the selections for clinical internships, discussion of expectations and the syllabi for the ten-week internships, discussions of legal and ethical issues that may occur during clinical internships and participation in a team conference on a case-based patient.

PHTH 665**Physical Therapy Administration (3)**

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

Upon completion of this course, the student will be able to develop, administer and manage a physical therapy practice, utilizing the human and material resources available, for effective delivery of services.

PHTH 669**Health Care Systems II (3)**

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This course is the second of two courses addressing health care delivery issues. This course is focused on strategic planning, legal structures of health care systems and the financing of health care.

PHTH 675**Clinical Research I (2)**

Graded Pass/No Credit.

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This is the first of four courses designed to guide the student through the process of contributing to the body of knowledge in physical therapy through the preparation of clinical case reports. In this course, students will prepare a case report based upon the case history of a patient they provided intervention to during *Clinical Internship I*. Students will work with faculty mentors to prepare the case report and will present the case report to faculty and clinicians in a platform format presentation.

PHTH 680**Geriatrics (2)**

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

The course will provide physical therapist students with opportunities to discuss the demographics and theories of aging, examine personal attitudes on aging, contrast normal and pathological aging in patients presented from long term care facilities and the community, design a physical therapy plan of care and create an exercise program for an elderly client.

PHTH 770**Clinical Research II (3)**

Graded Pass/No Credit.

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This is the second of four courses designed to prepare the student to participate in clinical research in the field of physical therapy. In this series of courses students will prepare a multiple case report, based upon patients they identified during their full-time clinical internships. Students will work with an assigned faculty mentor to prepare a written multiple case report. Students will present their multiple case reports to a committee of faculty members as part of their final project.

PHTH 771**Clinical Research III (3)**

Grades Pass/No Credit.

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The students must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This is the third of four courses designed to prepare the student to participate in clinical research in the field of physical therapy. In this series of courses students will prepare a multiple case report, based upon patients they identified during their full-time clinical internships. Students will work with an assigned faculty mentor to prepare a written multiple case report. Students will present their multiple case reports to a committee of faculty members as part of their final project.

PHTH 772**Clinical Research IV (3)**

Graded Pass/No Credit.

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

This is the fourth of four courses designed to prepare the student to participate in clinical research in the field of physical therapy. In this series of courses students will prepare a multiple case report, based upon patients they identified during their full time clinical internships. Students will work with an assigned faculty mentor to prepare a written multiple case report. Students will present their multiple case reports to a committee of faculty members as part of their final project.

PHTH 780**Clinical Internship II (10)**

Graded Pass/No Credit.

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

Clinical Internship II consists of a full time educational experience in a clinical setting for 10 (ten) weeks. The primary purposes are to gain experience in an acute care, rehabilitation or specialty setting, demonstrate progress toward entry-level behavioral criteria in the generic abilities and clinically apply skills and knowledge attained in the first two years of the program. Upon completion of the internship, the student will demonstrate performance at a level of professional clinical competency consistent with the expectations of a physical therapist in a similar practice setting (acute care, rehabilitation or specialty setting).

PHTH 781**Clinical Internship III (10)**

Graded Pass/No Credit.

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

Clinical Internship III consists of a full-time educational experience in a clinical setting for 10 (ten) weeks. The primary purposes are to gain experience in an acute care, rehabilitation or specialty setting, demonstrate progress toward entry-level behavioral criteria in the generic abilities and clinically apply skills and knowledge attained in the first two years of the program. Upon completion of the internship, the student will demonstrate performance at a level of professional clinical competency consistent with the expectations of a physical therapist in a similar practice setting (acute care, rehabilitation or specialty setting).

PHTH 782**Clinical Internship IV (10)**

Graded Pass/No Credit.

Prerequisites: All courses in physical therapy are restricted to students accepted into the program. The student must successfully complete all course work each quarter to progress to the next quarter in the curriculum.

Clinical Internship IV consists of a full-time educational experience in a clinical setting for 10 (ten) weeks. The primary purposes are to gain experience in an acute care, rehabilitation or specialty setting, demonstrate entry-level behavioral criteria in the generic abilities, and clinically apply skills and knowledge attained in the first two years of the program. Upon completion of the internship, the student will demonstrate performance at a level of professional clinical competency consistent with the expectations of a physical therapist in a similar practice setting (acute care, rehabilitation or specialty setting).

PHYSICS

College of Science, Health and Engineering

David McKinstry, Chair

152 Hall of Sciences

(509) 359-7472

BA, BAE, BS**Minors****General Science Endorsement**

Faculty: B. Houser; D. McKinstry; R. Ruotsalainen, A. Sen,

P. Sircar

UNDERGRADUATE PROGRAMS

Physics is the study of the physical environment and the laws governing the behavior of particles, fields and space/time. More specifically, physicists study mechanics, heat, light, electric and magnetic fields, gravitation, relativity, atomic and nuclear physics, solid state physics and many other topics. In general, physics strives for a mathematical description of the laws of nature at the most fundamental level and is therefore the most mathematical of the basic sciences.

Employment opportunities have been plentiful for physicists in recent years, especially for those with strong backgrounds in electrical instrumentation and computer electronics. Careers in research and development are available in many companies and federal agencies. The armed forces recruit technically trained people, especially physicists, to become officers and offer further educational opportunities to those selected. Secondary teaching positions in math and science are readily available. Careers exist in technical sales. Many students go on to graduate school for advanced degrees before starting a career. Advanced degrees lead to community college and university faculty positions, as well as increased opportunities for leadership roles in research and management.

In addition to its degree programs, the department provides several components to the University Community in general and to a wide variety of majors in other disciplines. *Introductory Physics* and *General Physics* are supporting courses for such degree programs as chemistry and geology, and are required courses for schools of physical therapy and medicine. *General Physics* is required in all schools of engineering.

General Admissions and Preparation Information for Physics: Beginning physics students are advised to start the PHYS 151, 152, 153, 221 sequence as soon as possible. This can be done fall quarter if the student is also prepared to enroll in MATH 161. Otherwise the student should take MATH 105 and 106 during fall and winter quarters and be prepared to enroll in PHYS 151 and MATH 161 spring quarter. Bachelor of Science majors should complete the required chemistry sequence and as much of the General Education Core Requirements as possible during the first two years.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA) in Physics

Physics Major (45 credits)

The Bachelor of Arts degree allows the student to acquire a physics degree with strong emphasis in one or more related fields of study. This degree is ideal preparation for graduate work in such areas as geophysics, biophysics and physical chemistry. Physics graduates also commonly enter graduate schools in engineering fields.

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses

PHYS 151 General Physics I (4)
 PHYS 152 General Physics II (4)
 PHYS 153 General Physics III (4)
 PHYS 161 Mechanics Lab (1)
 PHYS 162 Heat and Optics Lab (1)
 PHYS 163 Instrumentation Lab I (1)

PHYS 164 Instrumentation Lab II (1)
PHYS 221 General Physics IV (4)

Electives

Select in consultation with advisor; courses are subject to approval by the Physics Department.

Required program credits	20 credits
Elective credits	25 credits
Total credits for above major	45 credits

Note: The above major requires the completion of a minor.

Bachelor of Arts in Education (BAE)**Physics/Secondary Major (69 credits)**

This major satisfies the endorsement for grades 5-12.

Required Courses

PHYS 151 General Physics I (4)
PHYS 152 General Physics II (4)
PHYS 153 General Physics III (4)
PHYS 161 Mechanics Lab (1)
PHYS 162 Heat and Optics Lab (1)
PHYS 163 Instrumentation Lab I (1)
PHYS 164 Instrumentation Lab II (1)
PHYS 221 General Physics IV (4)
PHYS 371 Introduction to Quantum Physics (4)
PHYS 390 Physics Teaching Methods (1)
CHEM 151 General Chemistry (5)
CHEM 152 General Chemistry (5)
MATH 161 Calculus I (5)
MATH 162 Calculus II (5)
MATH 163 Calculus III (5)
SCED 390 Secondary Science Teaching Methods (1)

Electives

Choose from any 300/400-level Physics courses, except PHYS 421 or 497.

Required program credits	51 credits
Elective credits	18 credits
Total credits for above major	69 credits

**Professional Educational Requirements/
Secondary Education: 46-47 credits**

See the Department of Education section of this catalog. Prerequisites may also apply.

Minimum total credits for above major and professional education	115 credits
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Note: The above major does not require the completion of a minor. Students are encouraged to complete a secondary endorsement in at least one other subject area.

Bachelor of Science (BS)**Physics Major (103 credits)**

The Bachelor of Science program is designed primarily for students preparing for graduate study in physics and for students planning a professional career in physics.

Required Courses

PHYS 151 General Physics I (4)
PHYS 152 General Physics II (4)
PHYS 153 General Physics III (4)
PHYS 161 Mechanics Lab (1)
PHYS 162 Heat and Optics Lab (1)
PHYS 163 Instrumentation Lab I (1)
PHYS 164 Instrumentation Lab II (1)
PHYS 221 General Physics IV (4)
PHYS 321 Advanced Physics Lab I (3)
PHYS 322 Advanced Physics Lab II (3)
PHYS 361 Classical Mechanics I (4)
PHYS 362 Classical Mechanics II (4)
PHYS 371 Introduction to Quantum Physics (4)
PHYS 381 Atomic Physics (4)
PHYS 401 Electromagnetism I (4)
PHYS 402 Electromagnetism II (4)
PHYS 403 Electromagnetism III (4)
CHEM 151 General Chemistry (5)

CHEM 152 General Chemistry (5)
CHEM 153 General Chemistry (5)
MATH 161 Calculus I (5)
MATH 162 Calculus II (5)
MATH 163 Calculus III (5)
MATH 241 Calculus IV (5)
MATH 342 Topics in Applied Analysis II (4)
MATH 347 Introductory Differential Equations (4)

Electives

PHYS 363 Special Relativity (4)
or Any 400-level Physics courses except PHYS 497.

Required program credits	97 credits
Elective credits	6 credits
Total credits for above major	103 credits

Minors**Physics Minor (15 credits)****Required Courses**

PHYS 151 General Physics I (4)
PHYS 152 General Physics II (4)
PHYS 153 General Physics III (4)
PHYS 161 Mechanics Lab (1)
PHYS 162 Heat and Optics Lab (1)
PHYS 163 Instrumentation Lab I (1)

Total credits for above minor	15 credits
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Physics/Secondary Minor (24 credits)

This minor satisfies the endorsement for grades 5-12.

Required Courses

PHYS 151 General Physics I (4)
PHYS 152 General Physics II (4)
PHYS 153 General Physics III (4)
PHYS 161 Mechanics Lab (1)
PHYS 162 Heat and Optics Lab (1)
PHYS 163 Instrumentation Lab I (1)
PHYS 164 Instrumentation Lab II (1)
PHYS 221 General Physics IV (4)
PHYS 495 Teaching Internship (4)

Total credits for above minor	24 credits
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Course Requirements for Teacher Certification/Add-on Endorsements

(For students who currently possess a Washington State Teaching Certificate)

General Science/Add-on Endorsement (65 credits)

To improve their marketability as science teachers, students may wish to complete this option in addition to their BAE in biology, chemistry, earth science or physics. This add-on satisfies the general science endorsement and allows teachers to teach any science grades 5-12.

Required Courses

BIOL 171 Biology I (4)
BIOL 172 Biology II (4)
BIOL 173 Biology III (4)
BIOL 270 Biological Investigation (3)
BIOL 390 Biology Teaching Methods (1)
CHEM 151 General Chemistry (5)
CHEM 152 General Chemistry (5)
CHEM 153 General Chemistry (5)
CHEM 390 Chemistry Methods for the Secondary Schools (1)
GEOG 314 Weather and Climate (5)
GEOL 120 Physical Geology - The Solid Earth (5)
GEOL 121 Physical Geology - Surficial Processes (5)
GEOL/GEOG 390 Earth Science Teaching Methods (1)
PHYS 121 Descriptive Astronomy (5)
PHYS 131 Introductory Physics I (4)
PHYS 132 Introductory Physics II (4)
PHYS 161 Mechanics Lab (1)
PHYS 162 Heat and Optics Lab (1)
PHYS 390 Physics Teaching Methods (1)
SCED 390 Secondary Science Teaching Methods (1)

Total credits for above add-on endorsement	65 credits
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Physics Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

PHYS 100

Physical Science I (5)

[satisfies the GEGR for natural sciences, physics.]

Prerequisite: Basic skills clearance in mathematics.

Course covers the elementary aspects of physical science and astronomy. It operates in an informal laboratory mode with ample opportunity for discussion and individual assistance. No mathematics beyond basic arithmetic is used.

PHYS 115

Investigating Physical Science (5)

WINTER

[satisfies the GEGR for natural sciences, physics.]

Prerequisite: Basic skills clearance in mathematics.

For students planning to teach elementary school. Includes inquiry based physical science investigations that support science instruction outlined in the National Science Education Standards and Washington Essential Academic Learning Requirements.

PHYS 121

Descriptive Astronomy (5)

[satisfies the GEGR for natural sciences, physics.]

Prerequisite: Basic skills clearance in mathematics.

This course follows the development of astronomy from the earth-centered model of the early Greeks through the sun-centered model of Copernicus to the modern dynamic model of the universe incorporating the known laws of physics in its description. Topics covered in this development include a study of the solar system and a brief description of the physical laws used in astronomy. Additional topics such as distances, motions properties and evolution of stars lead to a study of galaxies, the structure of the universe and to modern cosmological models. Laboratory activities include naked-eye observation and measurement, planetarium sessions, Celestial Globe activities, computer simulations, as well as experiments in optics, spectra and the use of telescopes.

PHYS 131, 132, 133

Introductory Physics I, II, III (4 each)

FALL(131)/WINTER(132)/SPRING(133)

[the completion of PHYS 131, 161 satisfies the GEGR for natural sciences, physics; counts as one course. the completion of PHYS 131, 132, 161, plus any one of the following: 162, 163, 164 satisfies the GEGR for natural sciences, physics; counts as two courses.]

Prerequisites: MATH 106, concurrent enrollment in PHYS 161 for PHYS 131 is recommended; PHYS 131 for PHYS 132; and PHYS 132 for PHYS 133.

These courses are designed primarily for science students with mathematical preparation through algebra and trigonometry. No calculus is used. The topics covered are PHYS 131 - kinematics, dynamics, conservation of momentum and energy and simple harmonic motion; PHYS 132 - sound/waves, heat/thermo-dynamics, geometric optics; PHYS 133 - electricity and magnetism, physical optics, modern physics. Each course consists of 4 credits of lecture and 1 credit of required instrumentation laboratory.

PHYS 151

General Physics I (4)

FALL

[the completion of PHYS 151, 161 satisfies the GEGR for natural sciences, physics; counts as one course.]

Prerequisites: Concurrent enrollment in MATH 161.

Concurrent enrollment in PHYS 161 is recommended.

Part of a four-quarter beginning sequence (151, 152, 153, 221) suitable for all students of natural science and mathematics. Topics covered include: one and multi-dimensional kinematics and dynamics, energy and momentum and oscillations.

PHYS 152

General Physics II (4)

WINTER

[the completion of PHYS 151, 152, 161, plus any one of the following: 162, 163, 164 satisfies the GEGR for natural sciences, physics; counts as two courses.]

Prerequisites: PHYS 151 and concurrent enrollment in MATH 162.

Part of a four-quarter beginning sequence (151, 152, 153, 221) suitable for all students of natural science and mathematics. Topics covered include: rotational motion, gravity, fluids, waves and thermodynamics.

PHYS 153

General Physics III (4)

SPRING

Prerequisites: PHYS 152 and concurrent enrollment in MATH 163.

Part of a four-quarter beginning sequence (151, 152, 153, 221) suitable for all students of natural science and mathematics. Topics covered include: electrostatics, direct current circuit theory, magnetism and geometric optics.

PHYS 161

Mechanics Laboratory (1)

FALL

A laboratory course in mechanics, including one-dimensional motion, motion in a plane, dynamics, conservation of energy and momentum and oscillating motion.

PHYS 162

Heat and Optics Laboratory (1)

WINTER

A laboratory course suitable for use with either *Introductory* or *General Physics*. Experiments in optics include reflection and refraction, lenses and mirrors, microscopes and telescopes, optical spectra and microwave optics. Experiments in heat include heat and temperature, thermal expansion, mechanical and electrical equivalents of heat and a study of gas laws.

PHYS 163, 164

Instrumentation Laboratory I, II (1 each)

SPRING(163)

This laboratory emphasizes the use of electronic instruments in the measurement of physical quantities.

PHYS 221

General Physics IV (4)

FALL

Prerequisite: PHYS 153.

Part of a four-quarter beginning sequence (151, 152, 153, 221) suitable for all students of natural science and mathematics. Topics covered include: electromagnetism, alternating current circuit theory, Maxwell's equations, physical optics, quantization and nuclear physics.

PHYS 299

Special Studies (1-5)

FALL/WINTER/SPRING/SUMMER

PHYS 321, 322

Advanced Physics Lab I, II (3 each)

(321,322)-ALTERNATE YEARS

Prerequisite: Junior standing or permission of the instructor.

A laboratory course dealing with classical experiments in all of physics as well as introducing many modern measurement techniques in atomic and nuclear physics.

PHYS 338

Discovering Women in Science (1)

The course uses several scientific themes to rediscover from the past, and find in contemporary research, the women who have made significant contributions to science.

(Cross-listed BIOL 338, CHEM 338, GEOL 338, HIST 338, PSYC 338, WMST 338)

PHYS 361, 362

Classical Mechanics I, II (4 each)

(361, 362)-ALTERNATE YEARS

Prerequisites: PHYS 153, MATH 163.

A study of statics and dynamics from a mathematical point of view; an introduction to Lagrange's Equations.

PHYS 363

Special Relativity (4)

Prerequisites: PHYS 153, MATH 162.

An introduction to Einstein's theory of special relativity and its application to particle dynamics.

PHYS 371

Introduction to Quantum Physics (4)

WINTER

Prerequisites: MATH 163, PHYS 221.

An introduction to the origin and development of quantum theory with emphasis on the classical experiments leading to Schroedinger's Wave Mechanics and applications of Schroedinger's Equation to simple systems.

PHYS 381

Atomic Physics (4)

SPRING

Prerequisite: PHYS 371.

A study of the application of quantum theory to the description of the periodic table, to the interpretation of atomic and molecular spectra, and to the behavior of X-rays.

PHYS 390

Physics Teaching Methods (1)

FALL

Prerequisites: Successful completion or concurrent enrollment in PHYS 132 or PHYS 152 and EDUC 341 and enrollment in a co-requisite SCED390.

This course is for physics majors planning to teach junior or senior high school. Topics will include: organization of lesson materials, techniques, resources and evaluation.

PHYS 401, 402, 403

Electromagnetism I, II, III (4 each)

FALL(401)-ALTERNATE YEARS/WINTER(402)-ALTERNATE YEARS/SPRING(403)-ALTERNATE YEARS

Prerequisites: MATH 163, PHYS 221.

A study of electric forces, fields, potentials, dielectric behavior, currents, magnetic forces and electromagnetic waves.

PHYS 411

Classical Thermodynamics (3)

Prerequisites: PHYS 153, MATH 163.

Introduction to elementary thermodynamics; first, second and third laws of thermodynamics; ideal gases; and kinetic theory.

PHYS 421

Statistical Mechanics (3)

Prerequisite: PHYS 411.

Introduction to the methods of statistical physics with emphasis on the rules of probability and statistics, equations of state, ensembles and spin.

PHYS 424**Astrophysics (4)**

ALTERNATE YEARS

Prerequisites: PHYS 153, MATH 163.

Application of the physical principles of mechanics, fluid dynamics, thermodynamics, electromagnetism, optics and relativity within the astronomical contexts of observational techniques/instrumentation, planetary science, stellar structure/evolution, galactic/extragalactic structure and cosmology. Computer-based laboratory exercises in orbital motions, rotational motion, photometry and spectroscopy are included.

PHYS 431**Solid State Devices Physics (3)**

Prerequisites: MATH 163, PHYS 221.

A course dealing with crystalline semiconductors, carrier transport generation and recombination, p-n junctions, metal-semiconductor junctions, microwave devices, photonic devices like solar cells and semiconductor lasers.

PHYS 441**Solid State Physics (3)**

Prerequisite: PHYS 431.

A course dealing with the quantum properties of electrons in solids, mechanisms of electron and hole conduction and the theory of operation of solid state devices.

PHYS 451**Optics (4)**

ALTERNATE YEARS

Prerequisites: MATH 163, PHYS 153.

A study of the nature of light and its applications, with emphasis on physical optics and the electromagnetic wave theory of light. Topics selected from modern optics include Fourier optics, basics of coherence theory and aspects of the quantum nature of light.

PHYS 461**Nuclear Physics (3)**

Prerequisite: PHYS 381.

A continuation of PHYS 381 which deals with properties of the nucleus, laws of radioactivity, nature of radiation, nuclear, X- and gamma rays and nuclear reactions.

PHYS 495**Internship (1-5)**

FALL/WINTER/SPRING/SUMMER

PHYS 497**Workshops, Short Courses, Conferences (1-6)**

FALL/WINTER/SPRING/SUMMER

PHYS 498**Seminar (1-2)**

SPRING

PHYS 499**Directed Study (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the instructor and the department chair.

PRE-PROFESSIONAL PROGRAMS

Eastern Washington University offers students the opportunity to earn substantial amounts of course work towards the requirements of a number of specific professions. Although the following Pre-Professional programs have been offered for several years by EWU, this listing is not exclusive; students who are interested in a profession which is not represented (below) are encouraged to contact the Office of General Undergraduate Academic Advising for assistance in identifying departments or programs which can offer course work and advice as regards alternative Pre-Professional studies.

Pre-Communication Disorders**College of Science, Health and Engineering****Donald R. Fuller, Program Advisor****Department of Communication Disorders****120 Health Science Building****EWU Riverpoint campus****(509) 368-6790****Program Description**

Individuals who have earned a baccalaureate degree in a discipline other than communication disorders can apply for the graduate program in Communication Disorders at Eastern Washington University upon completion of a year of prerequisite courses. These prerequisite courses are intended to prepare the individual for the rigors of graduate study in the discipline. As the graduate program typically takes two years to complete, an individual having a baccalaureate degree in a different discipline can earn the Master's degree within three years.

The individual would take the courses listed below during the first year of study (it is strongly suggested that the candidate apply for Fall admission into the post-baccalaureate program). As the individual is taking the prerequisite courses, he/she would apply for graduate study by February 1 of the current academic year (for graduate application requirements, please see the Communication Disorders section of this catalog). If accepted to the graduate program in Communication Disorders, the student would complete the remaining prerequisite requirements and then enroll in graduate study in the fall term immediately following completion of the prerequisite requirements.

Preprofessional Program Requirements**Fall Quarter**

COMD 301 Introduction to Communication Disorders (4)

COMD 304 Phonetics (4)

COMD 311 Observation in Communication Disorders (2)

COMD 371 Aural Anatomy and Pathology (4)

Winter Quarter

COMD 321 Anatomy and Physiology of Speech (5)

COMD 331 Language Development (4)

COMD 473 Rehabilitative Audiology (4)

COMD 498 Seminar: Articulation and Phonology (2)

Spring Quarter

COMD 320 Speech and Hearing Science (4)

COMD 322 Communication Neuroscience (4)

COMD 372 Audiometry (4)

COMD 498 Seminar: Language Disorders (2)

COMD 498 Seminar: Assessment and Intervention (2)

**Total credits for above
post-baccalaureate program**

45 credits

Pre-Dentistry and Pre-Medicine

College of Science, Health and Engineering
Sidney Kasuga, Charles Herr, Program Advisors

Department of Biology
289 Hall of Sciences
(509) 359-2868, (509) 359-2038

Department of Chemistry and Biochemistry

204A Hall of Sciences
(509) 359-2447

UNDERGRADUATE PROGRAMS

Admission requirements for Schools of Medicine, Dentistry or Veterinary Medicine are typically satisfied by a Bachelor of Science degree in either biology or chemistry with substantial course work from both disciplines. The requirements of these professional schools are so demanding and frequently variable that it is imperative students contact a pre-medical, pre-dental or pre-veterinary medicine advisor immediately upon deciding to earn a degree in one of these areas and work closely with that advisor in developing a complete curriculum. The program of study may vary for each student dependent on his/her preparation, background or specific interests. Other majors may be chosen if the basic requirements are met (two years each of biology and chemistry, one year of physics with supporting mathematics and typically one year of biochemistry and/or molecular biology). As a part of the selection process for admission to professional school, pre-medical and pre-dental students must also take a nationally administered evaluative test (Medical College Admission Test or Dental College Admission Test respectively); these tests are largely based on the science requirements previously noted, Mathematics Applied Quantitative Assessments, English Comprehension and writing. Since the MCAT or DAT is typically taken either at the end of the third or beginning of the fourth academic year, it is imperative that students complete the basic science requirements during the first three years of study. For additional curriculum information and a complete list of courses required in a 4-year program of study leading to the Bachelor of Science degree, see major option descriptions under the Biology or Chemistry/Biochemistry departments. Note that majors in these areas of study offered by the two departments principally differ only in the fourth year.

Because admission requirements can vary between individual professional schools, it is imperative that students directly contact schools of interest and ascertain specific requirements prior to the application process. Publications such as *Medical School Admission Requirements* and *Admission Requirements of American Dental Schools* provide profile information on a school-by-school basis regarding admitted students. Students must realize that admission to professional school is highly competitive and thus uncertain—nothing assures admission.

General Admissions Requirements for Majors in Pre-medicine, Pre-dentistry or Pre-veterinary medicine: In order to complete degree requirements in four years and be prepared for professional school admission tests at the end of three, it is essential that students are enrolled in college-level chemistry and biology courses at the inception of their pre-professional curriculum. Thus preparation at the high school level should include one year each of biology, chemistry and physics as well as three or four years each of English and mathematics (through pre-calculus). Students transferring from other institutions including community colleges should consult with Eastern's Admissions Office for information regarding course equivalencies. Students are encouraged to contact Eastern's pre-professional advisors prior to enrollment.

See the department of Biology or Chemistry/Biochemistry sections of this catalog for curriculum descriptions.

Pre-Engineering

College of Science, Health and Engineering
Donald C. Richter, Program Advisor

Department of Engineering and Design
319E Computing and Engineering Building
(509) 359-2880

PROGRAM DESCRIPTION

(See Engineering & Design)

Pre-Law

College of Social and Behavioral Sciences

James Headley, Advisor
Department of Government
212 L Patterson Hall

(509) 359-2781

PROGRAM DESCRIPTION

(See Government)

Entrance into law school does not depend on the completion of any particular set of undergraduate requirements, but rather on the attainment of a bachelor's degree in a recognized field of study, a sufficient GPA and a satisfactory score on the Law School Admission Test. Accordingly, no single pre-professional program can be recommended for the study of law. A balanced preparation for the study of law should include exposure to the traditional liberal arts disciplines and the development of skills in verbal and written communication and in logical thinking.

Since many students interested in law combine that interest with a similar one in public affairs, the Department of Government offers a special option major designed especially to meet the needs of pre-law students.

Pre-Pharmacy

College of Science, Health and Engineering

Jeff Corkill
Department of Chemistry and Biochemistry
226 Hall of Sciences
(509) 359-6518

Pharmacy occupies both a unique and varied position within the health sciences. Undergraduate pharmacy education is largely founded in the biological and chemical sciences and is integrated with course work in the humanities and social sciences. The curriculum of a school of pharmacy is designed to prepare graduates for a variety of professional careers. These include the practice of community retail and hospital pharmacy, clinical pharmacy, research or sales in the pharmaceutical industry, and regulatory and administrative positions at either the state or federal level. Traditionally the pharmacist has been among the most accessible of the health-care team, serving as the first source of advice and assistance for common disorders. At present due to an increased clinical emphasis in pharmacy education, pharmacists are more frequently involved in a direct, patient-oriented practice that includes responsibilities such as selecting and dispensing drug products, monitoring drug interactions and counseling patients.

Degree Information for Pharmacy: As of Fall 1997, most schools of pharmacy now offer only one degree in pharmacy: the Doctor of Pharmacy (PharmD) requiring six years. The PharmD degree qualifies the student to take the State Board of Pharmacy Licensing Examination, a requirement for the practice of pharmacy in any state. The academic program leading to the PharmD degree is divided in two parts. The first, termed the pre-professional program (two years) provides course work in the basic sciences, mathematics, English, humanities and social sciences. The second, termed the professional program (four years) provides academic exposure to the practice of pharmacy and includes course work in areas such as biochemistry, medicinal chemistry, pharmacology, anatomy, physiology, dispensing, law, therapeutics, pharmacokinetics and biostatistics; in addition, clerkships in community and clinical settings are required.

The pre-pharmacy program at EWU is recommended for students wishing to complete the pre-professional portion of their pharmacy curriculum. At this time matriculation in either the professional program at the University of Washington or Washington State University requires a minimum of 90 quarter credit hours (two years). The program is designed to satisfy the requirements of out-of-state institutions as well, however appropriate catalogs from these institutions should be consulted for any variances in requirements. During the two-year pre-professional program, approximately 15 to 20 elective credits must be satisfied. These should be divided between the Humanities (foreign language recommended), Social Sciences (ECON 100, PSYC 100 recommended) and other supporting areas (CMST 200, CPLA 120 recommended).

Certain courses applicable to most professional Pharmacy programs are available from Eastern's Chemistry/Biochemistry and Biology Departments for those unable to transfer to a School of Pharmacy after their second year. These include biochemistry (CHEM 480, 481, 482, 483), pharmacology (CHEM 350, 357), anatomy and physiology (BIOL 232, 233, 234, 473), bacteriology and virology (BIOL 335, 420, 421, 432, 435, 452) and botany (BIOL 302).

Admissions Requirements/Preparation: Due to the time requirement necessary for completion of the PharmD degree and substantial prerequisites for courses in the professional portion of the program, it is essential that students be prepared to begin college level chemistry and biology at the inception of their pre-professional curriculum. Thus students interested in a major in pharmacy should complete one year of both high school chemistry and biology as well as mathematics through precalculus prior to enrollment in Eastern's pre-pharmacy program. Students transferring from other institutions including community colleges should consult with the Admissions Office for information regarding course equivalencies. Students are encouraged to contact Eastern's pre-pharmacy advisor prior to enrollment or early in their academic program.

Admission to a school of pharmacy is highly competitive. Application to a school is normally initiated one year prior to transfer (typically at the beginning of the second preprofessional year) and may include application to both the University and the school. In addition to completion of pre-professional course requirements with a satisfactory GPA, the school will likely require a personal interview and/or successful completion of the Pharmacy College Admission Test (PCAT), a nationally administered evaluative test.

Preprofessional Program Requirements

Chemistry/Biochemistry Major with Pre-pharmacy Option (91 credits minimum recommended in a program similar to the first two years of the Biochemistry degree option. See advisor for further details.)

Required Courses (91 credits)

First Year (40 credits)

BIOL 171 Biology I (4)
 BIOL 172 Biology II (4)
 BIOL 173 Biology III (4)
 BIOL 270 Biological Investigations (3)
 CHEM 151 General Chemistry (5)
 CHEM 152 General Chemistry (5)
 CHEM 153 General Chemistry (5)
 ENGL 101 College Composition: Exposition and Argumentation (5)
 ENGL 201 College Composition: Analysis, Research and Documentation (5)

Second Year (32 credits)

BIOL 301 Microbiology (5)
 CHEM 351 Organic Chemistry (4)
 CHEM 352 Organic Chemistry (4)
 CHEM 353 Organic Chemistry (3)
 CHEM 372 Organic Chemistry Lab I (3)
 CHEM 373 Organic Chemistry Lab II (3)
 MATH 161 Calculus I (5)
 MATH 380 Elementary Probability and Statistics (5)

Other Suggested Courses (19 credits)

CMST 200 Introduction to Speech Communication (4)
 CSCD 210 Programming Principles I (5)
 or CSCD 198 Introduction to Programming (5)
 ECON 100 General Education Economics (5)
 PSYC 100 General Psychology (5)

Recommended Courses for Optional Third Year (variable credits)

BIOL 232 Human Anatomy and Physiology for Non-Biology Majors (5)
 BIOL 233 Human Anatomy and Physiology for Non-Biology Majors (5)
 BIOL 234 Human Anatomy and Physiology for Non-Biology Majors (5)
 or
 BIOL 332 Human Neural, Muscular and Skeletal Systems (5)
 BIOL 333 Human Cardiopulmonary and renal Systems (5)
 BIOL 334 Human Regulatory and Visceral Systems (4)
 BIOL 302 Botany (5)
 BIOL 310 Fundamentals of Genetics (5)
 BIOL 335 Elementary Medical Microbiology (5)
 BIOL 420 Epidemiology (5)
 BIOL 421 Medical Bacteriology (5)
 BIOL 432 Virology (5)
 BIOL 435 Biology of Cancer (5)
 BIOL 452 Parasitology (5)
 BIOL 490 Dept. Senior Capstone: Integrated Studies in Physiology-Animals (5)
 CHEM 350 Principles of Pharmacology (2)
 CHEM 357 Neuropharmacology (2)
 CHEM 480 Biochemistry (5)
 CHEM 481 Intermediary Metabolism (5)
 CHEM 483 Biochemistry Lab (2)

Pre-Veterinary Medicine

College of Science, Health and Engineering
 Department of Chemistry and Biochemistry
 (509) 359-2447

PROGRAM DESCRIPTION

(See Chemistry/Biochemistry)

Generally, students will make application to a Veterinary Medicine College for their professional training and will thus tailor their programs accordingly. We strongly recommend that students planning a career in veterinary medicine contact the school(s) of their choice to learn their most current admission requirements. Contacting the program advisor is strongly advised.

General Admissions Requirements for Pre-Veterinary Medicine: Applicants are now required to take the General Aptitude Test of the Graduate Record Examination; scores will be included in the assessment of scholastic achievement. The last date to register for this exam is late in September. A minimum of 300 hours of practical experience, under the supervision of a graduate veterinarian, is an essential requirement in the selection process for most colleges.

See the Department of Biology section of this catalog.

Courses

See course descriptions under the participating programs and departments: Biology, Chemistry and Biochemistry, Computer Science, Mathematics and Physics.

PROFESSIONAL TRAINING AND DEVELOPMENT

See BUSINESS ADMINISTRATION.

PSYCHOLOGY

College of Social and Behavioral Sciences

William C. Williams, Chair

151 Martin Hall

(509) 359-2478

psychology@mail.ewu.edu

BA

Minors

MS

Certificate

Faculty: D. Anderson, P. Barnes, M. Dalley, A. El-Alayli, G. Hicks, K. Islam-Zwart, R. Kolts, T. Martin, S. Ruby, K. Stellwagen, L. Stern, P. Watkins, W. Williams

UNDERGRADUATE PROGRAMS

Psychology is the science of human behavior and experience. Psychologists differ considerably in what they do because the field encompasses a wide range of human activities. Generally speaking, clinical, school and counseling psychologists provide services to help people make better adjustments in their daily lives, while experimental psychologists conduct research and construct theories to help us better understand the nature of behavior.

The mission of the Department of Psychology is to educate students in the science and profession of psychology. To accomplish this mission, the department seeks to promote the acquisition of the core knowledge and principles of psychology; to enhance the students' professional growth and development; to further the student's ability to think analytically, logically and creatively; and to develop the student's ability to communicate effectively. The department promotes psychology as a science and a profession by excellence in teaching, research and service. Our undergraduate program in psychology is patterned after the recommendations of the American Psychological Association for undergraduate majors in psychology.

The Department of Psychology is located in Martin Hall, a building that has up-to-date laboratories. Our laboratories are extremely well equipped and very active. Students are encouraged to get involved in research projects and other professional activities as undergraduates.

General Admissions Information for Psychology: High school students should have at least one year of algebra. Social science courses, including psychology, and natural science courses such as biology and chemistry are also encouraged. Transfer students may be given credit for appropriate transfer courses in the major and for electives.

Note: To declare psychology as a major, students must have a minimum cumulative GPA of 2.0 and taken and passed PSYC 100 or its equivalent.

General Degree Completion Requirements for Psychology: Students who major in psychology but who transfer some lower division psychology course work from other colleges/universities must complete at least 55 hours of upper division credits in the 70 credit psychology major.

Note: Students must attain a minimum of a 1.5 grade (C-) for the required courses: PSYC 100, PSYC 309, CSBS 320 (PSYC 310), PSYC 313, PSYC 395/495, PSYC 398/498 and PSYC 399/499.

Capstone Course: The University capstone requirement can be met by the department capstone course, PSYC 490, Senior Capstone: The Tradition of Psychology (6).

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)

Psychology Major (70 credits)

Required courses are designed to provide students with the foundations of the field. Through careful planning in the selection of cluster and elective courses, students may develop a program of study to prepare for application to graduate school programs or meet specific career goals in psychology-related business/human services occupations.

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses

Prerequisite Course

PSYC 100 General Psychology (5)

Required Courses

PSYC 309 Scientific Principles of Psychology (5)

PSYC 313 Research Methods in Psychology (5)

PSYC 310 Psychological Statistics (5)

Focus Experience Courses (3 credits) Students are to take a minimum of 3 credits from any combination of the following:

PSYC 395/495 Internship*

PSYC 398/498 Seminar

PSYC 399/499 Directed Study*

*Instructor's permission required.

In addition to the core course requirements, psychology majors are required to take a specified number of courses from three clusters or groups of courses as follows:

Cluster A: Core Courses. Students are required to take at least four of the following courses:

PSYC 301 Theories of Personality (5)

PSYC 302 Abnormal Psychology (5)

PSYC 303 Foundations of Psychotherapy (5)

PSYC 315 Conditioning and Learning (5)

PSYC 316 Human Memory and Cognition (5)

PSYC 340 Emotion and Emotional Intelligence (5)

PSYC 381 Social Psychology (5)

PSYC 415 Sensation and Perception (5)

PSYC 420 Biological Basis of Behavior (5)

Note: CEDP 201, CEDP 313 or CEDP 314 may be used to count as one of the Cluster A courses as approved by the psychology Department Chair. If a CEDP class is used the total credits in Cluster A will be 19 credits.

Cluster B: Applied/Lab Courses. Students are required to take at least two of the following courses:

PSYC 312 Computerized Statistical Analysis (4)

PSYC 314 Principles of Clinical Assessment (5)

PSYC 318 Computerized Research Techniques in Psychology (4)

PSYC 430 Human Psychophysiology (5)

PSYC 431 Stress and Coping (3)

PSYC 440 Happiness and Positive Psychology (4)

Cluster C: Specialty Courses. Students are required to take at least one of the following courses:

PSYC 317 Health Psychology (5)

PSYC 323 Drugs and Behavior (5)

PSYC 331 Psychology of Women (4)

PSYC 359 Human Sexuality (5)

PSYC 425 Psychology and the Legal System (5)

PSYC 432 Clinical Psychology of Adult Life and Aging (4)

PSYC 450 Trauma: Theory, Assessment and Treatment (4)

PSYC 496 Experimental Course, PSYC 497 Workshops, Short Courses,

Conferences may be counted as a cluster course or elective as approved by the Department Chair.

Note: The remainder of courses required to complete the 70 credit major may be chosen from any other psychology course or from any of the above courses that are not used to meet the group requirements.

Required prerequisite credits	5 credits
Required common core credits	15 credits
Required focus experience credits	3 credits
Required cluster A credits	20 credits
Required cluster B credits	7-10 credits
Required cluster C credits	4-5 credits
Psychology elective credits (see note)	16-12 credits
Minimum total credits for above major	70 credits

Minors**Psychology Minor (15 credits)****Required Courses**

The Psychology minor requires PSYC 309 plus 10 hours of upper division psychology credit. These courses should be approved by an advisor in the Psychology Department.

Total credits for above minor **15 credits**

Psychology/Elementary Minor (15 credits)

This minor does not meet a state of Washington endorsement.

Required Courses

Select courses in psychology or counseling, educational and developmental psychology, to be approved by a department advisor. (PSYC 100 and CEDP 302 are excluded.)

Total credits for above minor **15 credits**

GRADUATE PROGRAMS

Master's level graduate study in psychology provides the student with advanced preparation for practice in the field or for entering doctoral-level programs in psychology. Two programs are offered by the department: an MS in Psychology with a concentration in either Clinical or General/Experimental Psychology and an MS in School Psychology.

Admission Requirements/Preparation

All application materials are due March 1. Students ordinarily begin their graduate studies fall quarter. Admission to begin the program in winter or spring is discouraged.

1. Must have a 3.0 GPA in the last 90 quarter or 60 semester graded credits. The Graduate Admission Committee may recommend a limited number of other students with a lower GPA to the Dean of Graduate Studies for admission based upon standard test scores, intervening experiences and other relevant factors.
2. Must meet the requirements of the Graduate School.
3. Must submit application to the Department of Psychology and a statement of intent for admission to the Psychology Graduate Program.
4. Must send three letters of recommendation to the Department of Psychology from academic sources.
5. Must have a bachelor's degree in psychology or its equivalent. Ordinarily, the applicant's transcript must show evidence of courses in the following areas: scientific principles of psychology, inferential statistics, learning and personality theory, abnormal psychology, life span development, physiological psychology, history and systems in psychology and general/experimental psychology. Accepted applicants whose transcripts are lacking some areas of proficiency may be asked to complete appropriate courses prior to full acceptance to the program. Moreover, students applying for the MS in Psychology who do not have a history and systems course at the undergraduate level will be expected to add PSYC 490, Senior Capstone: The Tradition of Psychology, to their graduate program of study.
6. Must submit scores for the Graduate Record General Test. The GRE must have been taken no more than five years before the date of application.
7. It is expected that a student complete all of the requirements for admission to the Graduate School and the Department of Psychology before registering for core classes.
8. Applicants to the Certificate Only program in School Psychology must meet the master's degree criteria listed in the description of that program.

Students accepted will be notified of a general information meeting held during the week preceding the beginning of their first quarter, to provide orientation to institutional and departmental procedures and to provide information about registration.

Master of Science in Psychology

Director, Kayleen Islam-Zwart

151H Martin Hall

(509) 359-2380

Kayleen.Islam-Zwart@mail.ewu.edu

The Master of Science in Psychology is intended to prepare students to be master's-level practitioners or to pursue further graduate study in the clinical or experimental areas. A set of core classes provides students in the program with foundation knowledge in the discipline that includes methods classes that impart research and data analysis skills.

Obtaining a Master of Science in Psychology ordinarily takes two years. Students elect either a clinical or experimental concentration. Beyond the required core classes, the clinical concentration provides additional foundational and applied courses that emphasize clinical knowledge and skills. In the clinical concentration, students who intend to pursue PhD study may choose a predoctoral focus that substitutes research experience for some applied clinical courses that otherwise make up the career focus within the concentration. Beyond the required core classes, students electing the general/experimental concentration design course work and research experience, in consultation with a faculty advisor, to match the interests of the student with the expertise of the department faculty.

Course Requirements

All students in the program are required to take the following set of core courses:

- *PSYC 503 Proseminar: Scientific Methods (3)
- *PSYC 522 Advanced Statistics (5)
- *PSYC 534 Human Neuropsychology (4)
- *PSYC 537 Advanced Psychopathology (3)
- *PSYC 538 Research Topics (2) (total)
- PSYC 600 Thesis (minimum) (6)
or PSYC 601 Research Report (6)
- PSYC 694 Practicum (6)
- Focus requirements

Total core credits **29 credits**

Students must successfully complete the courses marked with an asterisk during the first two quarters of enrollment in order to continue in the program without a significant delay or required remediation plan during the second year of study. Elective courses may be added to a student's program of study upon agreement with the Program Director (see discussion of elective courses under the General/Experimental emphasis section).

Clinical Concentration: The Clinical concentration is designed for students who are interested in becoming Master's-level mental health providers in private practice, mental health centers, hospitals or social service agencies, or are pursuing pre-doctoral studies to support application to doctoral programs in Clinical or Counseling Psychology. All students in the Clinical Concentration are required to take the following set of courses in addition to the core classes:

- PSYC 504 Proseminar: Learning and Behavior Therapy (3)
- PSYC 508 Professional Issues (1)
- PSYC 551 Foundation of Psychotherapy (4)
- PSYC 554 Cognitive Assessment (4)
- PSYC 556 Personality and Behavioral Assessment (4)

Total clinical concentration credits **16 credits**

Note: All Clinical Psychology students will be asked to elect either the Career Focus or Predoctoral Focus before the end of the first year.

Career Focus: Students who intend to seek employment after completing their degree are expected to complete appropriate practicum experience in a field placement. Normally this will occur in the second year and, together with the 6 credit core practicum requirement, extend to all three quarters of the second year of study. The additional course/practicum requirements for the career option are:

- PSYC 555 Clinical Practice in Cognitive Assessment (3)
- PSYC 557 Clinical Practice in Personality and Behavioral Assessment (4)
- PSYC 694 Clinical Practicum (3)

Total career focus credits **10 credits**

The State of Washington Department of Health administers a credentialing process for licensure as a mental health counselor. In order to have all or part of the second year internship count as “post graduate-professional experience,” students should add the necessary electives the first year or as soon as possible. See the department handout or obtain a copy of “The Law Relating to Counselors 18.19 R.C.W.” from the Department of Health.

Predoctoral Focus: Students who intend to pursue their graduate education and professional training at the doctoral level may substitute research experience or course work for some or all of the course shown above (PSYC 555, PSYC 557, PSYC 694). These substitutions are to be arranged with a faculty advisors and be documented and approved by the Clinical Coordinating Committee before the beginning of the second year. The arrangements for research experience must be made with individual instructors following the procedures used by students who elect the General/experimental concentration (see below).

General/Experimental Concentration

The concentration in General/Experimental Psychology is designed to prepare students for research or teaching in psychology. Methodology and both basic and applied research are emphasized. Students are prepared to enter doctoral programs or to seek employment in appropriate master's-level positions. Curricula plans, in addition to the 29 credit hours of core courses, should include a minimum of 26 credits of elective courses chosen with an advisor in accord with the *elective courses* guidelines shown below. Students particularly interested in acquiring college-level instruction skills should consider including the program of study listed under college instruction found in the graduate college catalog.

Elective Courses

Additional graduate courses are offered within the department and may be taken by students in any program of study. Moreover, with the appropriate Program Director's approval, the following type of courses may be taken as part of the student's graduate program of study:

- 400-level courses in Psychology
- specific emphases such as Alcohol and Drug Studies, Interdisciplinary Aging
- specific courses in related, relevant departments (i.e., Counseling, Educational and Developmental Psychology (CEDP) or Social Work) - with permission of instructor and Program Director
- EWU weekend college courses

Master of Science - School Psychology

(Joint program between the Departments of Psychology and Counseling, Educational and Developmental Psychology)

Mahlon Dalley, Director
153E Martin Hall
(509) 359-6731

This program prepares students for practice as a school psychologist. Course work, practica and internship are aligned with state and national certification and training standards. Specific areas of training include student and program evaluation (i.e., measurement principles); development of academic and social behavioral intervention plans (i.e., instructional and behavior analysis and consultation, counseling); and research (i.e., methods and statistics). Knowledge and skills are developed through integrated course work, field experiences and internship. The program duration is three years.

Prerequisites

A bachelor's degree in psychology or its equivalent is generally required. Successful completion of undergraduate course work in child or life-span development, research measurement and statistics is required. Faculty will evaluate each applicant on an individual basis to determine prerequisite needs.

Program Requirements

CEDP 503 Applied Learning Theory and Behavior Modification (4)
CEDP 504 Theories of Human Development (4)
CEDP 522 Teaching Exceptional Students I (4)
CEDP 523 Assessing Exceptional Students (4)
CEDP 546 Group Counseling (4)
CEDP 548 Counseling Children and Adolescents (4)
CEDP 554 Developmental Psychopathology (4)
CEDP 556/PSYC 560 Professional School Psychology (5)
CEDP 557 Consultation and Alternative Service Delivery (4)
CEDP 569 Family Systems and Parent Education (4)
CEDP 592 Crisis Intervention and Trauma Counseling (4)
PSYC 503 Proseminar: Scientific Methods (3)
PSYC 504 Proseminar: Learning and Behavior Therapy (3)
PSYC 522 Advanced Statistics (5)
PSYC 534 Human Neuropsychology (4)
PSYC 554 Cognitive Assessment (4)
PSYC 556 Personality and Behavioral Assessment (4)
PSYC 558/CEDP 695 School Psychology Practicum (17) (total)
PSYC 559 Cognitive Assessment Lab (3)
PSYC 566 Cross-Cultural Psychology (5)
CEDP 697 or PSYC 695 School Psychology Internship (15)
CEDP 600/601 Thesis/Research Project (6)
or PSYC 600/601 Thesis/Research Project (6)

Minimum total credits for above master's degree 114 credits

Successful completion of the National School Psychology Certification Examination and an oral examination that reviews the thesis/research project and contents is required.

Final Comprehensive Examination

The Comprehensive Examination Policy of the Department of Psychology is as follows:

- A. Each student shall complete, before the awarding of the master's degree, a research report, thesis or other project which demonstrates the competence of the student in graduate level work in psychology. The proposal for the project must be approved by the chair of the committee and psychology department committee second member in advance of the project's beginning at a proposal meeting announced to and open to all faculty and graduate students of the Department of Psychology.
- B. An oral examination which will focus primarily on the master's project but which may also include questions to demonstrate competence in all areas included in the program of that student. The oral examination committee will consist of two members from the Department of Psychology and a third member designated by Graduate Studies. The final oral examination will be open to all interested faculty and students and may be open to questions by outside members at the discretion of the committee. Final oral examinations will not be held over vacation periods or during summer quarter except by advance approval of the committee chair, second member and graduate office representative. The final oral examination will not be over two hours.
- C. All graduate students in the Department of Psychology are subject to the academic advancement policies of Graduate Studies regarding grades. Moreover, clinical psychology graduate students must successfully complete their clinical interview conducted during the spring quarter of their first year in the program before continuing in the program.

**School Psychology Post-Master's (EWU-WSU)
— Certificate Only program**

Jamie Seaburg, PhD

EWU/WSU School Psychology Certificate Program

Eastern Washington University/Riverpoint

Spokane, WA 99202-1660

jseaburg@mail.ewu.edu

(509) 358-7690

This collaborative program is designed for educators, counselors and mental health professionals who currently hold a master's degree in their respective field and who aspire to obtain a State of Washington Educational Staff Associate (ESA) Certification to become a school psychologist. Eastern Washington University and Washington State University jointly administer and instruct the courses in the program, which is based in Spokane. This program is designed to reflect the scientist-practitioner model emphasizing comprehensive school psychological services that apply developmental, social, cognitive and behavioral orientations.

Classes are offered during the summer session and during evenings and/or weekends throughout the regular academic year. Students are admitted as cohorts at the beginning of summer session and continue through fall and spring sessions. The program of study is determined by evaluation of previous master's-level academic course work as it compares to the course requirements for Washington Administrative Code (WAS) training standards and National Association of School Psychologist (NASP) accreditation standards for school psychologist training (see curriculum for the School Psychology Program at EWU). Program faculty will verify successful completion of certificate requirements to the EWU Certification Officer and the EWU Graduate Studies Office.

The number of total credits for each student will vary depending upon the candidate's previous graduate course work from an accredited university. Because the EWU/WSU Post-Master's School Psychology Certificate only student has already earned a master's degree in a related field such as counseling, psychology or education, he or she will have already taken many classes similar to what the EWU school psychology student takes in

the three-year School Psychology Program. Prior courses will be evaluated according to EWU, WAC and NASP standards for the School Psychology Program. These courses should include such areas as social bases for behavior (e.g. multicultural or social psychology), foundations of education and educational intervention, statistics, research methods, child and adolescent development, assessment, counseling/psychotherapy and human learning. If candidates have not taken these courses, they will be required to do so as part of their certificate-only program of study. Candidates who have previously taken such course work will be required to take approximately 9–12 semester credit hours from WSU or approximately 14–20 quarter credit hours from EWU. These credits represent the professional aspects of school psychology, practica and internship, and would be distributed as follows*:

- **EdPsy 521 (WSU): Topics/Ed Psychology: School Psychology Professional Practice** (3 semester credits) or **CEDP 556/PSYC 560 (EWU), Professional School Psychology** (4 quarter credits)
- **EdPsy 600 (WSU): Special Projects/Independent Study: School Psychology Practicum** (3 semester credits) or **CEDP 695/PSYC 558 (EWU), School Psychology Practicum** (4 quarter credits)
- **EdPsy 597 (WSU): Educational Psychology Internship: School Psychology** (3–6 semester credits) or **CEDP 697/PSYC 695 (EWU), School Psychology Internship** (6–12 quarter credits)

*Each of the universities will be responsible for offering approximately half of the required courses. The courses that will be taught by each university will be distributed as to the best utilization of resources and based on equal distribution.

In addition to twelve hundred clock hours of internship, a comprehensive exam is required for school psychologist certification in the state of Washington and for NASP certification. The internship may be reduced in length if the program faculty determine that previous internship experience(s) provided the candidate with knowledge and skills otherwise gained from the required internship (WAC 180-78A-195). The internship may not be reduced by more than 600 clock hours. Internships will occur in school settings, under the direct supervision of a certified school psychologist.

Psychology Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

PSYC 100

General Psychology (5)

FALL/WINTER/SPRING/SUMMER

[satisfies the GEGR for social sciences, list 2, anthropology, geography, psychology and sociology.]

A general introduction to psychology as the scientific study of behavior and thought; an overview of the areas of psychology and their development; methods in psychology; biological, sensory and developmental influences on behavior; physiological and cognitive components of behavior; theories of learning; a survey of theories of normal and abnormal behavior; principles of psychotherapy; personality theory and testing; and social influences.

PSYC 210

Career Development (2)

FALL/WINTER/SPRING

Resource course designed to provide information and assistance with academic and career decision-making. Standardized interest inventories are used as part of the information gathering process. Open to students of any academic level.

PSYC 295

Internship (1–5)

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the department Internship Director and the department chair, and the University Career Services Internship office.

Individualized learning and career development through an off-campus internship. An internship agreement-learning contract form is required and can be picked up prior to registration, along with information about placements and procedures from the Career Services Internship office. Two sections are available, one for psychology majors, one for non-psychology majors.

PSYC 299

Directed Studies (1–6)

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the instructor and the department chair.

PSYC 301

Theories of Personality (5)

FALL/WINTER/SPRING/SUMMER

An objective and comprehensive study of the major theories of personality.

PSYC 302

Abnormal Psychology (5)

FALL/WINTER/SPRING/SUMMER

Explores and evaluates research and theoretical concepts relating to deviant and abnormal behavior.

PSYC 303

Foundations of Psychotherapy (5)

FALL/SPRING

Prerequisites: PSYC 301 and 302.

Survey of theories of psychotherapy dealing with psychopathology. Particular attention is given to effectiveness of theory construction. Evaluates the role of intervening variables and logical consistency.

PSYC 309

Scientific Principles of Psychology (5)

FALL/WINTER/SPRING

Prerequisites: Successful completion of a 200-level English course and Math 100 or Mathematics clearance by test.

The study of the methodology and attitudes of psychology irrespective of any special area. Considers techniques for evaluating information, discovering invalid interpretations and uncovering alternative explanations. These are illustrated by reading research articles and classroom discussion of the articles and of popular beliefs.

PSYC 310**Psychological Statistics (5)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: MATH 104 or Mathematics clearance by test required; MATH 115 recommended.

This class introduces techniques for organizing distributions, summarizing their key properties, describing the relative standing of individual scores and measuring relations between pairs of variables. In the second half of the course, hypothesis testing is examined using a variety of common parametric and nonparametric procedures.

PSYC 312**Computerized Statistical Analysis (4)**

SPRING

Prerequisites: CPLA 120 or the equivalent, CSBS 320.

An introduction to the use of the computer package SPSS in the statistical analysis of data. Topics include describing the distribution of a single variable, graphing variables, organizing multivariate data, and testing hypotheses with t-test, the analysis of variance, regression and selected nonparametric tests. Factor analysis and discriminant function analysis are also introduced.

PSYC 313**Research Methods in Psychology (5)**

FALL/WINTER/SPRING

Prerequisites: PSYC 309 and CSBS 320.

An introduction to typical research methods used in psychology. Students complete several research projects reflecting these various methods.

PSYC 314**Principles of Clinical Assessment (5)**

FALL/WINTER

Prerequisites: PSYC 301, 302, CSBS 320.

Course is to help test users evaluate, select, construct and administer tests, and to interpret results. The first part of the course covers the customary statistics of tests that determine how good they are: validity, reliability, norms, item analysis and selection ratios. The rest of the course presents an overview and evaluation of major tests in each area of testing, including personality, intelligence, ability and occupation interest.

PSYC 315**Conditioning and Learning (5)**

Prerequisite: PSYC 309.

Overview of classical and instrumental conditioning: terminology, procedures and current findings, contemporary topics such as biological constraints and motivation as they influence learning.

PSYC 316**Human Memory and Cognition (5)**

FALL

Prerequisite: Junior level standing or permission of the instructor.

Examination of the principles and theories of human memory and selected topics in cognitive psychology.

PSYC 317**Health Psychology (5)**

WINTER

Prerequisite: PSYC 309.

An examination of the psychological influences on health including both wellness and illness; a focus on the etiology and correlates of health and illness as well as the prevention and treatment of illness. Exploring the psychological dynamics at work in utilization of the health care system and patient-practitioner interactions. Specific coverage of the illness process in pain, lung disease, stress, chronic illness and AIDS.

PSYC 318**Computerized Research Techniques in Psychology (4)**

SPRING

Prerequisites: PSYC 309 and CSBS 320.

Introduces the use of computers in psychological research through software that inexperienced users can program by filling out forms. Hands-on experience on the system will be acquired during the first two–three weeks. Recent experimental findings in a number of research areas will be introduced. Working individually or in small groups, students will select a problem for study and develop a method of investigation using the software system.

PSYC 323**Drugs and Behavior (5)**

FALL/SPRING

Prerequisite: PSYC 100 recommended.

An introduction to the action, use and abuse of psychotropic agents from analgesics to hallucinogens. Special attention given to drug abuse. (Cross-listed ADST 300)

PSYC 331**Psychology of Women (4)**

FALL/SUMMER

[satisfies cultural and gender diversity university graduation requirement.]

Prerequisite: Successful completion of a 200-level English class or equivalent.

The psychology of women in terms of their bodies, socialization, personality, affiliation and achievement motivations, abnormal behavior patterns, therapy and personal growth needs. (Cross-listed WMST 331)

PSYC 338**Discovering Women in Science (1)**

The course uses several scientific themes to rediscover from the past and find in contemporary research the women who have made significant contributions to science. (Cross-listed BIOL 338, CHEM 338, GEOL 338, HIST 338, PHYS 338, WMST 338)

PSYC 340**Emotion and Emotional Intelligence (5)**

Prerequisite: PSYC 100 or equivalent.

This course explores the psychology of emotion and how emotion impacts behavior and experience. This class investigates what emotion is, how it can be measured, basic theories of emotion and what factors contribute to the different emotional states. Issues related to emotional intelligence will also be explored, with particular emphasis on emotion identification, understanding and regulation.

PSYC 359**Human Sexuality (5)**

SPRING

Psychological, biological and cultural perspectives of human sexual behavior. The basis for successful functioning; frequency and significance of various types of sexual behavior; anatomy and physiology of reproduction; sexual inadequacy and deviations.

PSYC 381**Social Psychology (5)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: PSYC 309 recommended.

Individual behavior as socially determined: interpersonal attraction, aggressiveness, attitude formation, group dynamics, conformity and leadership.

PSYC 395**Internship (1–5)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the department Internship Director and the department chair, and the University Career Services Internship office.

Individualized learning and career development through an off-campus internship. An internship agreement-learning contract form is required and can be picked up prior to registration, along with information about placements and procedures from the Career Services Internship office. Two sections are available, one for psychology majors, one for non-psychology majors.

PSYC 398**Seminar (1–5)**

FALL/WINTER/SPRING

PSYC 399**Directed Studies (1–6)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the instructor and the department chair.

PSYC 403**Women and Men in Psychology (1)**

SUMMER

A one-day workshop designed to facilitate and provide frameworks for gender-balancing psychology curricula (materials appropriate for secondary education and college level instruction). (Cross-listed WMST 403)

PSYC 415**Sensation and Perception (5)**

Prerequisites: PSYC 309, 313, 420.

Phenomena of perception: hearing, vision, body perception, illusions, sensory deprivation, sleep, hypnosis, altered perceptual states. Theoretical and interpretations and perceptual organization.

PSYC 420**Biological Basis of Behavior (5)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: PSYC 309.

Organic foundations of behavior.

PSYC 425**Psychology and the Legal System (5)**

WINTER

Prerequisite: PSYC 100-General Psychology or permission of the instructor.

This course is designed to provide an introduction to the field of forensic psychology. The course provides an overview of the role of mental health professionals in correctional settings and in conducting forensic evaluations.

PSYC 430**Human Psychophysiology (5)**

SPRING

Prerequisites: CSBS 320.

An overview of the following topics: automatic nervous system, biofeedback, clinical applications, emotion, instrumentation, measurement, pain, psychosomatic processes, sleep, social aspects of physiological processes and stress. Laboratory includes: biofeedback, blood flow, ECG, EDR, EEG, EMG and respiration. Course is especially suited for students of the health sciences.

PSYC 431**Stress and Coping (3)**

WINTER/SPRING

Examines the psychological, physiological and health consequences resulting from selected psychological and environmental stressors. Psychological stressors include personality type, social disorganization, competition and conflict. Environmental stressors include cold, heat, hypo- and hyperbaric pressures and exercise. Examines coping responses such as biofeedback, progressive relaxation, autogenic training and physiological adaptation.

PSYC 432**Clinical Psychology of Adult Life and Aging (4)**

Prerequisite: PSYC 100 or AGST 310.

Psychological meanings of aging in terms of personal experience with growing older, relations with older family members and potential professional roles. Focus is on sensory, cognitive and personality changes, psychopathology and coping with death.

PSYC 440**Happiness and Positive Psychology (4)**

WINTER

Prerequisite: Junior standing.

Happiness has been a neglected topic in psychology and yet is an important human pursuit. This class investigates what happiness is, how it can be assessed and what factors facilitate happiness. Other human virtues important to well-being such as gratitude, wisdom, courage, humanity, justice, temperance and transcendence are explored.

PSYC 450**Trauma: Theory, Assessment and Treatment (4)**

SPRING

Prerequisite: Recommend PSYC 302.

This class explores traumatic experience in terms of substance, impact and reactions, including the assessment and treatment of trauma-related psychopathology.

PSYC 481**Prejudice and Stereotyping (5)**

Prerequisite: PSYC 381 or instructor permission.

The course *Prejudice and Stereotyping* is a five credit discussion course that examines the social psychological underpinnings of prejudice, stereotyping and discrimination. The course topics will address specific types of prejudice such as sexism and racism, individual differences and cognitive states that can lead to prejudice, the effect of prejudice on its targets and reducing prejudice.

PSYC 483**Group Dynamics (5)**

Introduces the principles formed through scientific study of small-group dynamics and considers the issues and problems arising in the study of groups. (Cross-listed CEDP 483)

PSYC 484**Industrial and Organization Psychology (5)**

This course examines organizations—what they are and how they work—from a psychological perspective. It deals with the psychological problems an organization must deal with if it is to survive: the succession of leaders, creating motivation for members to remain in the organization and to perform their roles, maintaining control, managing conflict and adapting to the changing conditions of the external world.

PSYC 485**Managerial Psychology (4)**

This course deals with the human problems that occur within the leadership ranks of organizations. The aim is to help managers understand the effects of psychological variables, e.g., personality, motivation and learning upon individual role performance and upon productivity of groups and systems.

PSYC 490**Senior Capstone: The Tradition of Psychology (6)**

FALL/WINTER

[satisfies senior capstone university graduation requirement.]

Prerequisites: PSYC 309 and 313; PSYC 313 can be taken concurrently, CSBS 320.

This course fulfills the University capstone requirement and may also be used as an elective within the department's major. The course consists of three components: (a) the history of psychology, (b) a collaborative project and (c) portfolio preparation.

PSYC 495**Internship (1–15)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the department Internship Director and the department chair.

Individualized learning and career development through an off-campus internship. An internship agreement-learning contract form is required and can be picked up prior to registration, along with information about placements and procedures from the Career Services Internship Office. Two sections are available, one for psychology majors and one for non-psychology majors.

PSYC 496**Experimental Course (1–5)****PSYC 497****Workshops, Short Courses, Conferences (1–5)**

FALL/WINTER/SPRING/SUMMER

PSYC 498**Seminar (1–5)**

FALL/WINTER/SPRING

PSYC 499**Directed Study (1–5)**

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the instructor and the department chair.

PSYC 503**Proseminar: Scientific Methods (3)**

FALL

Introduction to logic of scientific method, decision making, hypothesis testing, measurement, and model and theory construction.

PSYC 504**Proseminar: Learning and Behavior Therapy (3)**

SPRING

An intensive survey of important learning phenomena as they relate to theoretical issues and controversies. Consideration of methodological problems.

PSYC 508**Professional Issues (1)**

SPRING

Professional Issues presents legal, ethical and moral aspects of the professional practice of psychology. Topics will include professional credentialing, registration and licensing; ethical principles of psychologists; confidentiality; disclosure to clients, duty to warn and other ethical dilemmas.

PSYC 516**Human Memory and Cognition (5)**

SPRING

Prerequisite: Graduate standing or permission of the instructor.

Examination of the principles and theories of human memory and selected topics in cognitive psychology.

PSYC 517**Health Psychology (5)**

WINTER

Prerequisite: Graduate standing or permission of the instructor.

An examination of the psychological influences on health including both wellness and illness; a focus on the etiology and correlates of health and illness as well as the prevention and treatment of illness. Exploring the psychological dynamics at work in utilization of the health care system and patient-practitioner interactions. Specific coverage of the illness process in pain, heart disease, cancer, stress and chronic illnesses.

PSYC 518**Computerized Research Techniques in Psychology (4)**

SPRING

Prerequisite: CPLA or equivalent.

This class is intended to provide graduate students in psychology and allied disciplines with an efficient method of presenting stimuli and gathering data using personal computers. The class introduces the MEL programming system by which users can prepare programs by filling out forms and supplementing the forms with MEL code. Demonstrations and class exercises will apply the programming techniques to carry out common psychological tasks. Students will select a problem for individual study and develop a method of investigation using the software system.

PSYC 522**Advanced Statistics (5)**

WINTER

Prerequisite: CSBS 320 or other inferential statistics class. Statistical theory, interpretations and procedures which are especially valuable to workers in education, psychology and related fields.

PSYC 525**Psychology and the Legal System (5)**

WINTER

This course is designed to provide an introduction to the field of forensic psychology. The course provides an overview of the role of mental health professionals in correctional settings and in conducting forensic evaluations.

PSYC 530**Human Psychophysiology (5)**

SPRING

Prerequisite: Graduate standing.

An overview of the following topics: autonomic nervous system, biofeedback, clinical applications, emotion, instrumentation, measurement, pain, psychosomatic, processes, sleep, social aspects of physiological processes and stress. Laboratory includes: biofeedback, blood flow, ECG, EDR, EEG, EMG and respiration. Course is especially suited for students of the health sciences.

PSYC 534**Human Neuropsychology (4)**

FALL

The relationships between physiological processes and behavior.

PSYC 536**Advanced Social Psychology (4)**

WINTER

Prerequisite: Graduate student.

This course is designed as an advanced course covering the topics of social identity, attribution theory, social cognition, attitude development and change, social influence, prejudice, aggression, altruism, interpersonal attraction, group formation and behavior and applications of these concepts to related fields. A multicultural perspective is emphasized.

PSYC 537**Advanced Psychopathology (3)**

FALL

Prerequisite: PSYC 302 or equivalent.

This course is designed to teach strategies in diagnosing mental disorders and to evaluate the most current treatment modalities. Problems of cultural diversity and ethnic differences are explored.

PSYC 538**Research Topics (1)**

FALL/WINTER

Graded Pass/No Credit.

Prerequisite: Admission to the Psychology Department's MS program.

This course introduces incoming graduate students in the Psychology Department's MS program to research interests of the department faculty. Lectures cover theory and previous work on problems of interest, design of recent experimental investigations and analysis of experimental data. Students participate in discussions with lectures and develop their own research interests through meetings with selected faculty.

PSYC 539**Seminar in Special Topics (1-5)**

May be graded Pass/No Credit.

PSYC 547**Managerial Psychology (4)**

The purpose of this class is to help persons in authority roles be more competent in dealing with psychological factors that influence work productivity and organizational climate. Leadership styles, decision making, motivation, accountability and rewards, conflict resolution and career planning for the manager will be explored.

PSYC 550**Trauma: Theory, Assessment and Treatment (4)**

SPRING

Prerequisite: Undergraduate degree in psychology or related field.

This class explores traumatic experience in terms of substance, impact and reactions, including the assessment and treatment of trauma-related psychopathology.

PSYC 551**Foundation of Psychotherapy (4)**

WINTER

Prerequisite: Acceptance into the Psychology Program, Clinical Emphasis or permission of the instructor.

Main types of psychological treatment with emphasis upon those which primarily rely on verbal exchanges between the counselee and the therapist.

PSYC 553**Laws and Professional Issues for School Psychologists (2)**

Prerequisite: Acceptance into the School Psychology program.

Seminar course covering legal, ethical and professional issues in school psychology.

PSYC 554**Cognitive Assessment (4)**

FALL/SPRING

Prerequisite: Graduate student.

This course will provide in-depth training in cognitive assessment, including intelligence, memory, academic and special abilities testing.

PSYC 555**Clinical Practice in Cognitive Assessment (3)**

FALL

Prerequisites: PSYC 554 and permission of the instructor. Administration, scoring and writing of psychological reports; Stanford Binet, WISC and WAIS.

PSYC 556**Personality and Behavioral Assessment (4)**

FALL/WINTER/SPRING

Prerequisite: Graduate School and permission of the instructor.

This course focuses on the administration, scoring and interpretation of personality and behavioral measures. Major tests considered and applied within this course include MMPI, Rorschach, TAT/CAT, drawings, and teacher, parent and self-report rating scales.

PSYC 557**Clinical Practice in Personality and Behavioral Assessment (4)**

WINTER

Prerequisite: PSYC 556 and permission of the instructor. Supervision of practice testing with projective techniques, structured personality instruments, and teacher, parent and self-report rating scales.

PSYC 558**School Psychology Practicum (1-8)**

FALL/WINTER/SPRING

Supervised experience of school psychology students in psychometric assessment, behavior analysis and mental health counseling, as well as professional and ethical areas.

PSYC 559**Cognitive Assessment Lab (3)**

SPRING

Prerequisite: Must be in School Psychology Program and permission of the instructor.

School Psychology graduate students take this course concurrently with PSYC 554—*Cognitive Assessment*. Students will administer, score, report and interpret published norm-referenced measures of intelligence, memory, achievement, perceptual, adaptive and special abilities typically used in educational environments.

PSYC 560**Professional School Psychology (5)**

FALL

This course focuses on the history and principles of School Psychology and the professional role of the School Psychologist including knowledge of legal and ethical standards for practice.

PSYC 561**Advanced Educational Psychology (4)**

WINTER

This course focuses on the relevance of psychological theory to educational practice as applied to teaching, learning, development and evaluation.

PSYC 562**Human Sexuality (5)**

Prerequisite: Graduate standing or permission of the instructor.

Psychological, biological and cultural perspective of human sexual behavior. The basis for successful functioning, frequency and significance of various types of sexual behavior, anatomy and physiology of reproduction, and sexual inadequacy and deviations.

PSYC 564**Group Therapy (4)**

SPRING

Prerequisite: Graduate standing or permission of the instructor.

This course provides both a didactic and experiential introduction to the theory and practice of group psychotherapy. The understanding of group dynamics and group process will be stressed. Additionally, this course provides experience in developing and refining group leadership/facilitation techniques with emphasis on group simulations and demonstrations. In simulated groups, students will engage in alternating roles of facilitator, group member and process observer.

PSYC 566**Cross-Cultural Psychology (5)**

WINTER

Prerequisite: Graduate standing or permission of the instructor.

This course is designed to explore the cross-cultural applications of theory in traditional psychological domains. Very broadly, cross-cultural psychology is concerned with a wide range of human phenomena. Psychologists in this area engage a variety of cross-cultural techniques to test for universality or cultural specificity of such human phenomena.

PSYC 581**Prejudice and Stereotyping (5)**

Prerequisite: PSYC 381 or instructor permission.

The course *Prejudice and Stereotyping* is a five credit discussion course that examines the social psychological underpinnings of prejudice, stereotyping and discrimination. The course topics will address specific types of prejudice such as sexism and racism, individual differences and cognitive states that can lead to prejudice, the effect of prejudice on its targets and reducing prejudice.

PSYC 596**Experimental Course (1-5)****PSYC 597****Workshops (1-5)**

Note: Workshop credit cannot be used to fulfill graduate degree requirements.

PSYC 598**Seminar (1-5)**

FALL/WINTER/SPRING

May be graded or offered Pass/No Credit at the discretion of the instructor.

Current problems in psychology are presented by department faculty.

PSYC 599**Independent Study (1-5)****PSYC 600****Thesis (1-15)**

Prerequisites: Permission of the department chair and the graduate research chair.

A bound research study conducted as partial fulfillment of a master's under the direction of a graduate committee.

PSYC 601**Research Report (1-15)**

Prerequisites: Permission of the department chair and the graduate research chair.

A research study in lieu of a bound thesis conducted as partial fulfillment of a master's under the direction of a graduate committee.

PSYC 694**Practicum (1-6)**

Graded Pass/No Credit.

Prerequisite: Permission of the instructor.

Supervised experience of a clinical or counseling nature in service areas or supervised experience in research.

PSYC 695**Internship in School Psychology (1-4)**

May be graded Pass/No Credit.

Prerequisite: Permission of the instructor and must be in the School Psychology Program.

Experience under supervision in selecting, administering and scoring tests. Opportunities for diagnosis, counseling evaluation and reporting.

PSYC 696**College Teaching Internship (1-5)**

Prerequisites: Permission of the instructor and the department chair.

Teaching a lower-division college course under the supervision of a regular faculty member. Includes course planning, arranging bibliographical and other instructional aids, conferences with students, experience in classroom instruction, and student and course evaluation.

PSYC 697**Internship in Psychology (1-10)**

Prerequisite: Permission of the instructor.

Internship experience of professionally supervised training in approved agency or institution. The period of internship will commence on the date it is approved by the department chair and no internship credit will be granted retroactively.

PUBLIC ADMINISTRATION**College of Business and Public Administration**

Larry Luton, Program Director

EWU, Phase One Classroom Building

668 N. Riverpoint Blvd., # 324

Spokane, WA 99202-1660

(509) 358-2248

FAX (509) 358-2267

MPA

Faculty: F. Hurand, W. Kelley, M. Keogh-Hoss, L. Luton, T. Novak, D. Winchell, R. Zinke, G. Zovanyi

GRADUATE PROGRAMS

The Graduate Program in Public Administration (PADM) is designed to provide widely varied educational opportunities in the fields of public and not-for-profit management. Graduate study opportunities are available for those currently employed as well as for recent graduates seeking a career in the public service. Both full-time and part-time study programs are available on a degree and non-degree basis.

Students in PADM are encouraged to become aware of the public service environment, the values that guide public service, and the critical and analytical skills necessary to formulate, implement and evaluate public service decisions.

Program faculty, all of whom hold doctoral degrees and have public service management experience, have been selected from the several academic areas most pertinent to public sector applications. Adjunct faculty are highly trained, qualified and experienced academics and practitioners.

Alternatives offered include a master's degree in public administration (60 quarter credit hours), several types of dual degrees (MBA/MPA, MSW/MPA, MURP/MPA), a Public Management Development Certificate Program (as few as 16 credit hours) and a Health Service Administration Certificate Program (20 credit hours).

Students interested in any of these alternatives should contact the Director of PADM for further information.

Scheduling

To make the PADM courses more accessible to those employed full-time, all course work is offered at the Riverpoint Campus, either during weekday evening hours or on weekends.

Assistantships

Paid graduate assistantships are often available. Information and application forms are available from the program office. Applications for academic year assistantships should be completed and returned to the PADM office no later than June 1 preceding the academic year for which the student is applying.

Admission Requirements

Based on the standards described below, students are admitted upon the recommendation of the director of PADM. The director's recommendation will be sent to the Dean of Graduate Studies. That dean will then notify the student, in writing, of his/her admission or rejection. Applicants may seek admission on the basis of 1) their bachelor's degree work, 2) completion of another master's degree or 3) their work experience (if they can demonstrate a least 10 years of progressive responsibility in a related profession). Admission procedures and requirements are the same for the MPA degree and the certificate programs.

Admission Based on Undergraduate Academic Performance

Students who have completed a bachelor's degree at an appropriately accredited institution are admitted to the Graduate Program in Public Administration based on the following criteria:

1. Cumulative GPA of at least 3.0 in the last 90 quarter graded credits of post-secondary course work (or its equivalent as computed by the Graduate Studies Office); or
2. Recommendation of the director based upon a successful appeal by the student. (This appeals process will be utilized only for students who do not have an undergraduate cumulative GPA of at least 3.00.)

Students seeking to utilize this appeals process must directly request reconsideration by the director. In considering that request the director will review such information as: 1) a biographical sketch or resume listing previous experience; 2) letters of recommendation; 3) a combined verbal, and quantitative, score of 1000, and analytical score of 3 on the GRE; 4) a GMAT score of at least 500 and/or 5) successful completion of up to 12 credits in PADM courses with a minimum GPA in those courses of at least 3.30.

Admission Based on Another Master's Degree

A student may be admitted to PADM with proof of possession of another valid master's degree.

Admission Based on Work Experience

Applicants with at least ten years of increasingly responsible professional experience in public administration can be offered regular admission. Admission is based on the following:

1. Evidence of having obtained a bachelor's degree from an appropriately accredited institution.
2. An essay demonstrating critical thinking skills.
3. A statement of intent demonstrating a level of knowledge and intellectual maturity appropriate to the proposed field of graduate study.
4. Evidence of professional success in Public Administration.

English Language Requirement

All students from non-English speaking countries must provide evidence of adequate proficiency in the English language before being admitted to the PADM. This requirement may be satisfied by presenting a TOEFL score of 580 (237 CBT) or its equivalent. A student with a TOEFL score of between 550 and 580 may be admitted conditionally. In such cases, registration for classes is conditional upon having a program of English language study approved by the director in consultation with the international student advisor.

Students with TOEFL scores of 525 to 550, (197-213 CBT), may be admitted to the University as post-baccalaureate students. As post-baccalaureate students they may register for classes and demonstrate their ability to do the work required of MPA students. They should be aware of the EWU regulation on "Previous Graduate Credit" which permits no more than 12 pre-admission credits to be counted toward a graduate degree (see the general policies in the front of this catalog). The Director of PADM will determine whether they should be granted admission to the program based in part upon their work as post-baccalaureate students.

The "Test Drive"

In the "test drive" applicants may be allowed to take up to 12 quarter credits with permission of the director while completing all admission requirements. The letters of recommendation and career plan summary are not required prior to enrolling in the first 12 credits of classes. It will be necessary to complete the Application for Admission to a Graduate Program and submit it to the Graduate Studies Office with the appropriate fee. Documentation of completing a bachelor's degree will also be required. The application should be signed by the PADM Director with the notation "post-baccalaureate acceptance."

We hope this "test drive" option for graduate school admission will assist our non-traditional students in balancing their lifestyle choices between family, employment and graduate study.

Background Requirements

All students taking a program of study in the PADM must provide evidence of having attained a minimum level of education in two background subjects: US domestic political institutions and statistical techniques. Admission

may be gained prior to completion of background requirements, but each background requirement is also a prerequisite for a specific course in the core curriculum.

The minimal acceptable grade in any background course is 2.5. For courses taken at an institution using a letter-grade system, a "C" or better is acceptable. Courses taken more than seven years prior to the date of admission to PADM will not normally be accepted. It may also be possible to gain credit for a background requirement by passing a challenge exam in the appropriate subject area. Course credits taken to satisfy background requirements may not be counted toward the MPA degree.

Advancement to Candidacy

Prior to completing 30 credit hours of course work, a student is expected to file for advancement to candidacy. When the candidacy form is filed and accepted, it represents an official statement regarding what courses a student must complete to obtain the MPA degree. Filling out the form involves listing all courses completed, all in progress and all those yet to be taken to complete the courses required for the degree. It also involves selecting two PADM faculty members who will sit on the oral exam committee. The chair of the committee is normally the advisor for the student's research project or thesis.

Comprehensive Examination

Every student seeking a master of public administration degree must take a comprehensive oral examination.

The first step toward the comprehensive examination is filing for candidacy. When the student files for candidacy, he or she will designate two Graduate Program in Public Administration faculty members as members of the comprehensive examination committee. One of those faculty members must be designated as the chair of the comprehensive examination committee. The other will be the "second member." A third committee member will be assigned by the Graduate Studies Office from a list of eligible faculty. The chair of the comprehensive examination committee should be the faculty member best suited to supervise the student's work on the research project or thesis. If the student is doing a research project, the chair will work with the student on identifying an appropriate term paper previously submitted in a PADM course and will advise and edit the improving and enhancing of that paper. Normally the second and third members of the committee will not be presented a copy of the paper (whether it is a research project or a thesis) until it is approved by the chair for distribution. Both departmental members must agree that the paper is ready prior to scheduling the oral. In any case the second and third members must receive the paper at least two weeks prior to the date of the comprehensive oral examination.

The chair of the oral examination committee will also supervise the student's development of a portfolio in which his/her best work in the MPA program is featured. The portfolio will be presented and discussed as part of the oral exam.

Normally the examination will take place during the final quarter of the student's work in the program, but in all cases it will take place at a time approved by the student's comprehensive examination chair and agreed upon by the other two members of the comprehensive examination committee. The student must notify the Graduate Studies Office of the time and place of the examination at least two weeks prior to the examination. The student will also be responsible for coordinating arrangements with the examination committee and for scheduling a room for the examination.

The examination will last approximately 90 minutes and will contain 1) a presentation and discussion of the student's research paper (or thesis) and 2) a presentation and discussion of the student's portfolio.

In order for the student to pass the examination at least two committee members must approve of her/his performance. The chair will be responsible for reporting the results of the examination to the Graduate Studies Office.

Should it be necessary to schedule a retaking of the examination, the procedures shall be the same with the exceptions noted under Graduate Affairs Council policy 13.12. A copy of "Graduate Affairs Council Policies" is available for reading in the main Public Administration office, EWU, Phase One Classroom Building, 668 N. Riverpoint Blvd., #325.

Degree Requirements**1. Core Required Courses**

- PADM 500 Personal Assessment (2)
- PADM 501 Public Administration Research Approaches (4)
- PADM 503 Concepts and Values of Public Service (4)
- PADM 505 Public Policy Cycles (4)
- PADM 507 Public Policy Analysis (4)
- PADM 509 Public Personnel Management (4)
- PADM 511 Public Sector Organization Theory and Dynamics (4)
- PADM 513 Public Planning and Budgeting (4)
- PADM 515 Administrative Law and Regulation (4)
- PADM 517 Professional Employment (2)
- PADM 601 Research Project (2)
- PADM 602 MPA Portfolio (2)

2. Elective Options

20 credits in elective courses are required in the MPA program. Courses that may be taken toward those 20 credits include, but are not limited to the following:

- PADM 521 Public Finance (4)
- PADM 523 Public Financial Management (4)
- PADM 525 Public Sector Grants-Writing and Administration (4)
- PADM 527 Capital Finance and Bonds (2)
- PADM 531 Intergovernmental Relations (4)
- PADM 533 City Government Administration (4)
- PADM 539 Special Topics (1-5)
- PADM 543 Labor Relations (2)
- PADM 545 Collective Bargaining (2)
- PADM 547 Hiring Right (2)
- PADM 551 Comparative Public Administration (4)
- PADM 553 The Constitution and Public Administration (2)
- PADM 561 Public Administration Through Film and Television (2)
- PADM 563 Public Sector Ethics (4)
- PADM 571 The Political Executive (4)
- PADM 596 Experimental Course (1-4)
- HSAD 598 Seminar in Public Administration (1-4)
- PADM 599 Directed Study (1-4)
- PADM 600 Thesis Research Seminar (2-8)
- PADM 603 Internships in Public Administration (2-8)

Health Services Administration Specialization

There is also an option to specialize in health services administration. To do so one must be admitted into the Health Services Administration Graduate Certificate Program. Obtaining the certificate entails successfully completing the following HSAD graduate courses:

- HSAD 500 U.S. Health Care Systems (4)
- HSAD 510 Health Law (4)
- HSAD 520 Health Reimbursement Issues (4)
- HSAD 530 Seminar on Business and Health (4)
- HSAD 598 Seminar in Health Services Administration (4)

Since completing the Health Services Administration Graduate Certificate Program entails completing 20 credits, a student who specializes in health services administration does not need to take any additional elective courses in the MPA program.

Cooperation with Other Graduate Programs

With the permission of the MPA director, courses offered by other graduate programs may be counted toward the 20 credits elective requirement. Master's degree programs that frequently offer courses considered appropriate as elective courses in the MPA program include: MURP (Urban and Regional Planning), MSW (Social Work), Master of Science in Communication Studies and MBA (Business Administration).

Thesis Option

If a student decides to write a master's thesis, s/he is required to register for 8 credits of PADM 600 Thesis Research. Two of those credits substitute for the normal PADM 601 requirement. The other six credits can be counted toward the 20 credit elective requirement.

3. Research Project (Required) (2 credits)

A research project (PADM 601) is a requirement for all students obtaining an MPA degree. It should be taken after completion of PADM 501 and near the completion of all requirements for the degree. With the advice and editorial review of the chair of his/her comprehensive oral exam committee, the student improves and enhances a paper previously submitted as a term

paper in a PADM course. The improved and enhanced paper is presented and discussed as part of the comprehensive oral exam.

Y Grades in PADM Courses

Y grades are given for course work that was not expected to be completed by the end of the quarter. PADM courses in which Y grades may be given include:

- PADM 525 Public Sector Grants-Writing and Administration (maximum 4 credits)
- PADM 599 Directed/Independent Study (maximum 4 credits)
- PADM 600 Thesis Research Seminar (maximum 8 credits)
- PADM 601 Research Project Seminar (maximum 2 credits)
- PADM 603 Internships in Public Administration (maximum 8 credits)

4. Internships (Optional) (2-8 credits)

Although internships are not a required part of the MPA curriculum, they are strongly recommended for all MPA students who have not had significant public sector administrative experience. The internship is intended to provide a major professional learning experience for the student, including a realistic exposure to a complex organizational environment. The intern is expected both to contribute to the agency by helping to solve problems for the agency and to learn from and about the agency. Normally an internship should be arranged after finishing at least 30 credit hours of course work in the program. The standard requirement for a four-credit internship is 20 hours of work per week for one quarter. No more than eight credits of internship may be counted toward graduation. Academic credit is obtained by registering for PADM 603. Documentation of the work experience is required.

Total required core credits	40 credits
Total elective credits	20 credits
Minimum total credits for above master's degree	60 credits

Public Management Development Certificate

The Public Management Development Certificate Program is available to students who are interested in engaging in study in public administration but not in commitment to an entire MPA program. Both a basic certificate (16 credits) and an advanced certificate (36 credits) are available. Course offerings within the basic program provide an introduction to the concepts and skills associated with public sector administrative responsibilities. The advanced certificate program permits further development in the fundamentals of public sector management. Admission to the certificate program is upon the same basis as is admission to the MPA program.

Dual Degree Programs**MPA/MBA**

A dual-degree program with the Eastern Washington University master of business administration is available through which one can obtain both an MPA degree and an MBA degree. In this program of study, required courses for one degree program serve as elective courses in the second program, thereby reducing the number of credits required for each of the degrees. Any student interested in this dual degree must apply and be admitted to both the Master's in Public Administration and the Master's in Business Administration Programs. Individuals who have already started one of the two master's programs can work toward the MPA/MBA by qualifying for admission to the other program. Students complete 73 hours of course work in addition to those background courses which are prerequisite to either graduate degree program. The average progress requires about eight quarters of full-time study to complete both degrees. Interested parties should contact the PADM director and MBA director at EWU, Phase One Classroom Building, 668 N. Riverpoint Blvd., #325, 358-2270 or 358-2248. For information on the MBA program see the Business Administration section of this catalog.

MPA/MSW

A dual-degree program with the Eastern Washington University School of Social Work and Human Services is available through which one can obtain both an MPA degree and an MSW degree. In this program of study, required courses for one degree program serve as elective courses in the second program, thereby reducing the number of credits required for each of the degrees.

Any student interested in this dual degree must apply and be admitted to both the Master's in Public Administration and the Master's in Social Work Programs. Individuals who have already started one of the two master's programs can work toward the MPA/MSW by qualifying for admission to the other program. The number of credits needed to graduate with the MPA/MSW dual degree is at least 118 for students in the two-year MSW program and 83 credits for students in the advanced standing MSW program. The dual-degree program can be completed in eight to nine full-time quarters by students in the two-year MSW program and in six quarters by students in the advanced standing program. Interested parties should contact the PADM director and MSW director in 203 Senior Hall, Cheney, Washington 99004-2431, (509) 359-6485. For information on the MSW program see the School of Social Work and Human Services section of this catalog.

MPA/MURP

A dual-degree program with the Eastern Washington University Master of Urban and Regional Planning Program is available through which one can obtain both an MPA degree and an MURP degree. In this program of study, required courses for one degree program serve as elective courses in the second program, thereby reducing the number of credits required for each of the degrees. Any student interested in this dual degree must apply and be admitted to both the Master's in Public Administration and the Master's in Urban and Regional Planning Programs. Individuals who have already started one of the two master's programs can work toward the MPA/MURP by qualifying for admission to the other program.

Admitted students must complete 90–92 credits to earn both degrees. One comprehensive examination is required. The complete policy on the MPA/MURP is available in both program offices and in the Graduate Studies Office. Eight quarters of full-time study are typically needed to complete both degrees. Interested parties should contact the PADM director and MURP advisor, Department of Urban and Regional Planning, EWU, Phase One Classroom Building, 668 N. Riverpoint Blvd., #239, Spokane, WA 99202-1660, or at (509) 358-2230.

Public Administration Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

Some courses listed below may appear in the quarterly announcement of courses bulletin as 539 when using weekend format.

PADM 500 **Personal Assessment (2)**

Graded Pass/No Credit

A seminar in weekend format during the student's first or second quarter; it concentrates on career choice issues and assists in determining job fit, teaching students the use of psychometric instruments and techniques for assisting employees to make sound career decisions. The weekend will also include an abbreviated assessment center so students can gain experience in both the roles of assessor and assessee.

PADM 501 **Public Administration Research Approaches (4)**

Assists the student in developing skills in locating, obtaining and assembling information pertinent to public administration. The course explores various approaches to research found in public administration literature. It also involves students in critically examining research with attention to the tasks of defining a research purpose, posing research questions, writing a literature review and selecting an appropriate research approach (quantitative, qualitative or mixed methods).

PADM 503 **Concepts and Values of Public Service (4)**

Offers an analysis of the development of the "administrative state" and the profession of public administration. Emphasis is placed on the value system underlying modern public administration and its impact on the administrative process.

PADM 505 **Public Policy Cycles (4)**

Prerequisites: Domestic Political Institutions.

An examination of the impact of environmental forces on the formulation and content of public policy on the local, state or national level. Such elements as social values, political institutions and processes, intergovernmental relations, political resource distribution and the structure of policy are central to this investigation.

PADM 507 **Public Policy Analysis (4)**

Prerequisites: Statistical Techniques Through Inferential. Offers an examination of rational decision making with a focus on use of analytical tools as an instrument of public policy. Analytic tools include political and economic modeling. Emphasis varies with instructor.

PADM 509 **Public Personnel Management (4)**

Addresses the fundamentals of human resource management in the public sector. Topics covered may include the civil service system, merit principles, equal employment opportunity and/or current human resource management issues or techniques related to such concerns as employee recruitment, selection, orientation and motivation.

PADM 511 **Public Sector Organization Theory and Dynamics (4)**

A review of contemporary organization theory and ways that it helps us understand the dynamics of organizational change and transformation, with special reference to the public sector and the basic values of modern public administration.

PADM 513 **Public Planning and Budgeting (4)**

An examination of budget process emphasizing bureaucratic politics, policy issues, alternative methods and planning techniques.

PADM 515 **Administrative Law and Regulation (4)**

Prerequisite: Domestic Political Institutions.

A description, analysis and critique of the American systems of administrative law and regulations and their impact on the public manager.

PADM 517 **Professional Employment (2)**

Graded Pass/No Credit

A seminar in weekend format offered as a student's graduation approaches; it focuses on transition into the job market, giving students experience in resume preparation, hiring practices and interview techniques from the perspective of both the employer and prospective employee. Additional topics to be covered include personnel system reform efforts, handling of stress in the workplace and ethical issues which commonly arise.

PADM 521 **Public Finance (4)**

Reviews the development of the theory of public expenditure and taxes and application of theory to the concerns of state and local governments. Attention focuses on empirical studies of expenditure and revenue problems confronting these governments.

PADM 523 **Public Financial Management (4)**

Presents a broad overview of the management of financing by U.S. governments. The emphasis is on municipal financial management, its environment and the skills required.

PADM 525 **Public Sector Grants-Writing and Administration (4)**

Examination of the development of public sector grant programs and the distribution and fiscal management of money transfers. Topics include project development, grant applications, program planning and implementation and public policies for the improvement of intergovernmental operations.

PADM 527**Capital Finance and Bonds (2)**

Within a general vision of the larger governmental finance system, this course describes optional means of financing and addresses the pros and cons of each.

PADM 531**Intergovernmental Relations (4)**

Explores the interdependence and linkages between governmental agencies explored from the perspectives of the legal/regulatory, fund raising/fund transfer and administrative/cooperative elements in our federal system.

PADM 533**City Government Administration (4)**

An exploration of the major management issues and techniques involved in the professional management of city governments. Topics include the role of the professional city administrator, the changing face of cities, major city services issues, ethics, decision making and budget preparation. Examines both theoretical and the practical aspects of city government management.

PADM 539**Special Topics (1–5)**

Generally weekend format for 2 credit courses.

PADM 543**Labor Relations (2)**

This course covers a broad range of topics such as history of the labor movement, federal and state statutes covering the field, emergency operations planning and legislative lobbying efforts.

PADM 545**Collective Bargaining (2)**

This course addresses the process of reaching agreement on a contract.

PADM 547**Hiring Right (2)**

This course addresses hiring issues such as employee screening, using employment agencies and search firms and staying out of court.

PADM 551**Comparative Public Administration (4)**

A comparative examination and analysis of the impacts of political and social cultures on public administrative systems within nation states.

PADM 553**The Constitution and Public Administration (2)**

This course is intended to engage public administrators in serious consideration of how the US Constitution and US Supreme Court cases interpreting it affect our practice.

PADM 561**Public Administration Through Film and Television (2)**

This course explores, through cinematic images, how government and government employees are portrayed in film and television.

PADM 563**Public Sector Ethics (4)**

This course seeks to provide an understanding and appreciation of basic ethical concepts and frameworks; a variety of ethical theories and approaches are considered and applied to public sector situations. A main focus of the course is on the exercise of both individual and collective judgment—"Right Action" or "Good Conduct"—in public organizational and policy settings.

PADM 571**The Political Executive (4)**

Examines the role, responsibilities and powers of the elected and politically appointed executives in governments and agencies in the US.

PADM 596**Experimental Course (1–4)****PADM 597****Workshops and Short Courses in Public Administration (1–4)**

Note: Workshop credit cannot be used to fulfill graduate degree requirements.

PADM 598**Seminars in Public Administration (1–4)****PADM 599****Directed/Independent Study (1–4)****PADM 600****Thesis Research Seminar (1–15)**

(Continuous registration of two credit hours per quarter. Maximum of eight credits allowed toward MPA Degree.) A seminar designed to assist students completing research requirements in connection with the MPA program. This is a required course if the thesis option is chosen. The thesis can be substituted for the advanced research and writing seminar within a chosen specialization, and as an elective. The thesis option is intended for those students going on to doctoral study.

PADM 601**Research Project (1–2)**

Prerequisites: PADM 501.

An advanced research and writing project in which a student, with the advice and editorial review of the chair of his/her comprehensive oral exam committee, improves and enhances a paper previously submitted as a term paper in a PADM course. The improved and enhanced paper is presented and discussed as part of the comprehensive oral exam for the MPA degree.

PADM 602**MPA Portfolio (1–2)**

An advanced reflective praxis project in which a student, following the guidelines provided by the MPA Program and with the advice and editorial review of the chair of his/her comprehensive oral exam committee, develops a portfolio including his/her best work in the MPA Program. The portfolio is presented and discussed as part of the comprehensive oral exam for the MPA degree.

PADM 603**Internships in Public Administration (2–8)**

Grade Pass/No Credit. May be repeated.

Guided field placement with a public agency.

RECREATION AND LEISURE SERVICES

See PHYSICAL EDUCATION, HEALTH AND RECREATION.

RELIGIOUS STUDIES

College of Arts and Letters
Garrett Kenney, Program Advisor
254S Patterson Hall
(509) 359-6032

Minor

UNDERGRADUATE PROGRAM

Religion strives to show connections and relationships among all types of human experience. As a major aspect of human life and culture, it receives systematic study in many disciplines. Therefore, many departments offer courses in this program.

Required courses in the following program of study may have prerequisites. Reference the course description section for clarification.

Religious Studies Minor (21–25 credits)

This minor is designed for those students majoring in an allied discipline and preparing for graduate seminary study, or for students majoring in any other discipline but wishing to pursue the subject of religion for its importance in other fields. Students are also advised to consider other offerings in the humanities program. All interested students should consult with the program advisor or the coordinator of humanities.

Required Courses

HUMN 215 Introduction to Religion (5)
Select two courses from the following: 9–10 credits
ANTH 454 Myth, Ritual and Magic (5)
HUMN 315 East-West Philosophies and Religions (5)
PHIL 312 Philosophy of Religion (5)

Select two courses from the following: 7–10 credits

ANTH 454 Myth, Ritual and Magic (5)
ANTH 457 Witchcraft, Sorcery and Shamanism (5)
ART 417 History of Medieval Art (5)
ENGL 385 Mythology (5)
ENGL 387 Literature of the Bible (5)
ENGL 451 Poetry and Prose of Milton (5)
ENGL 452 Chaucer (5)
HIST 325 Ancient Near East (5)
HIST 340 The Middle Ages (5)
HIST 341 The Renaissance and the Reformation (5)
HUMN 315 East-West Philosophies and Religions (5)
HUMN 440 Perspectives on Death (5)
PHIL 312 Philosophy of Religion (5)
PHIL 331 Chinese Philosophy (5)

Minimum credits for above minor

21 credits

Note: Special substitutions may be made with the approval of the program advisor or the coordinator of the humanities program.

Courses

See course descriptions listed under participating programs and departments: anthropology, art, English, history, humanities, philosophy, psychology and sociology.

RUSSIAN

See MODERN LANGUAGES AND LITERATURES AND PHILOSOPHY.

SOCIAL AND BEHAVIORAL SCIENCES

The College of Social and Behavior Sciences offers a series of college-wide foundation courses in social science theory, statistics, computer-aided statistics, quantitative research methods and qualitative research methods. These classes may be required or listed as options in each of the social and behavioral science majors. Check the foundation course requirements in the specific major.

Social and Behavioral Sciences Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

CSBS 310

Foundations of Social and Behavioral Sciences Theory (5)

Prerequisites: Completion of the General Education Core Course Requirements in the Social Sciences as specified in this catalog or permission of the instructor.

This course is intended to expose the philosophic choices and historical constraints that underlie all of the social and behavioral sciences. In terms as simple as possible, we explore foundational alternatives (which may include idealism vs. materialism, individualism vs. holism, structure vs. agency, value neutrality vs. social critique) and the impact of history on the social and behavioral sciences. By emphasizing the controversy and diversity within the disciplines, and the social contexts that shape them, we encourage students to discover sharply critical perspectives on the social and behavioral theories that claim to tell us how the world works.

CSBS 320

Introductory Statistics for the Social Sciences (5)

Prerequisites: MATH 104 or Mathematics clearance by test. MATH 115 recommended.

Introduces the theory and procedures underlying the use of statistics in the social sciences. During the first half of the class, methods are presented for organizing distributions, summarizing their key properties, conveying the relative standing of individual scores in distributions and measuring relations between pairs of variables. Commonly used procedures for testing hypotheses in the social sciences are presented in the second half of the class.

CSBS 321

Computer Aided Data Analysis (4)

Prerequisites: CSBS 320 or equivalent, CPLA 120 or equivalent.

Introduces the use of SPSS running on personal computers for analyzing data in the social sciences. Topics include basic tasks such as entering and transforming data. Procedures covered include obtaining summary statistics of single variables, graphing variables organizing multivariate data, and testing hypotheses with t-tests, the analysis of variance, regression and selected nonparametric tests. Fundamentals of factor analysis and discriminant function analysis are introduced with guidelines for interpreting output.

CSBS 330**Integrated Social Science Methods (5)**

Prerequisites: Completion of the General Education Core Course Requirements in the Social Sciences as specified in this catalog or permission of the instructor.

An introduction to the scientific method in the social sciences, core concepts and issues in social science methods, core group of methods for data collection and core group of analytic techniques.

CSBS 331**Documents-Based Research Methods (5)**

Prerequisites: (Completion of ENGL 201 and completion of the General Education Core Course Requirements in the Social Sciences as specified in this catalog) or permission of the instructor.

An introduction to documents-based research methods that prepares students to research and write successful papers. Topics covered in the course include: framing research questions, locating sources, types of sources, scholarly ethics, and evaluating primary and secondary sources.

SOCIAL STUDIES

College of Social and Behavioral Sciences

Kathleen Huttenmaier, Director

204P Patterson Hall

(509) 359-4824

khuttenmaier@mail.ewu.edu

BAE**Social Studies Endorsement**

Faculty: *Varies*

UNDERGRADUATE PROGRAMS

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts in Education (BAE)**Social Studies/Elementary Major (60 credits)**

This major does not meet a state of Washington endorsement.

Note: This major requires a grade of 2.5 in all course work done in the major at Eastern.

Required Courses

ANTH 101 Cultural Anthropology (5)
 or ANTH 305 Social Anthropology (5)
 or SOCI 320 Race and Ethnic Relations: Global Perspectives (5)
 or SOCI/WMST 321 Sex and Gender (5)
 ECON 100 General Education Economics (5)
 or ECON 200 Introduction to Microeconomics (5)
 GEOG 101 Fundamentals of Human Geography (5)
 or GEOG 301 Human Geography (5)
 GEOG 230 World Regional Geography (5)
 GOVT 100 Modern Government in American Context (5)
 or GOVT 308 The American Polity (5)
 HIST 104 East Asia: Tradition and Transformation (5)
 or HIST 365 Latin America History (5)
 HIST 105 Western Heritage: Origins to the 18th Century (5)
 HIST 106 Western Heritage: 18th Century to the Present (5)
 or HIST 306 Modern Europe (5)
 HIST 303 US History, 1607–1877 (5)
 HIST 304 US History, 1877–Present (5)
 HIST 483 History and Government of the Pacific Northwest (5)
 HIST 499 Directed Study (1)
 SOST 490 Senior Capstone: Social Studies in the Public Schools (4)

Total credits for above major**60 credits****Professional Education Requirements/
Elementary Education: 102–103 credits**

See Department of Education section of this catalog. Prerequisites may also apply.

**Minimum total credits for above major and
professional education****162 credits**

Note: Students must complete at least 15 credits of this major at Eastern Washington University.

Social Studies/Secondary Major (76 credits)

This major satisfies the endorsement for grades 5–12.

Note: This major requires a grade of 2.5 in all course work done in the major at Eastern.

Required Courses

ANTH 101 Cultural Anthropology (5)
 or ANTH 305 Social Anthropology (5)
 or SOCI 320 Race and Ethnic Relations: Global Perspectives (5)
 or SOCI/WMST 321 Sex and Gender (5)
 ECON 100 General Education Economics (5)
 or ECON 200 Introduction to Microeconomics (5)
 GEOG 101 Fundamentals of Human Geography (5)
 or GEOG 301 Human Geography (5)
 GEOG 230 World Regional Geography (5)
 GOVT 100 Modern Government in American Context (5)
 or GOVT 308 The American Polity (5)
 HIST 104 East Asia: Tradition and Transformation (5)
 HIST 105 Western Heritage: Origins to the 18th
 Century (5)

or HIST 106 Western Heritage: 18th Century to the Present (5)
 or HIST 306 Modern Europe (5)
 HIST 365 Latin America History (5)
 or Latin American History elective (5)
 HIST 301 History of the Present (5)
 or Diplomatic History elective (5)
 HIST 303 US History, 1607–1877 (5)
 HIST 304 US History, 1877–Present (5)
 HIST 483 History and Government of the Pacific Northwest (5)
 SOST 390 Social Studies in the Secondary School (4)
 SOST 490 Senior Capstone: Social Studies in the Public Schools (4)
 One upper division non-US History elective (4)
 One upper division US History elective (4)

Total credits for above major 76 credits

**Professional Education Requirements/
 Secondary Education: 46–47 credits**

See Department of Education section of this catalog. Prerequisites may also apply.

**Minimum total credits for above major and
 professional education 122 credits**

Note: Students must complete at least 15 credits of this major at Eastern Washington University.

Note: Social studies/secondary carries an endorsement in both social studies and history.

Alternative required courses may be used if pre-approved by the coordinator of the social studies education program.

Although this major does not require a minor, it is suggested that majors take minors outside the discipline of social studies education, and that these minors coincide with endorsements for teacher certification in disciplines such as English, mathematics, or the physical or biological sciences.

Course Requirements for Teacher Certification/Add-on Endorsements

(For students who currently possess a Washington State Teaching Certificate)

Social Studies/Add-on Endorsement (60 credits)

This add-on satisfies the endorsement for grades 5–12.

Note: This add-on endorsement requires a grade of 2.5 in all course work done in the add-on at Eastern.

Required Courses

ANTH 101 Cultural Anthropology (5)
 or ANTH 305 Social Anthropology (5)
 or SOCI 320 Race and Ethnic Relations: Global Perspectives (5)
 or SOCI/WMST 321 Sex and Gender (5)
 ECON 100 General Education Economics (5)
 or ECON 200 Introduction to Microeconomics (5)
 GEOG 101 Fundamentals of Human Geography (5)
 or GEOG 301 Human Geography (5)
 GEOG 230 World Regional Geography (5)
 GOVT 100 Modern Government in American Context (5)
 or GOVT 308 The American Polity (5)
 HIST 104 East Asia: Tradition and Transformation (5)
 or HIST 365 Latin America History (5)
 HIST 105 Western Heritage: Origins to the 18th Century (5)
 HIST 106 Western Heritage: 18th Century to the Present (5)
 or HIST 306 Modern Europe (5)
 HIST 303 US History, 1607–1877 (5)
 HIST 304 US History, 1877–Present (5)
 HIST 483 History and Government of the Pacific Northwest (5)
 HIST 499 Directed Study (1)
 SOST 390 Social Studies in the Secondary School (4)

Total credits for above add-on endorsement 60 credits

Social Studies Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

SOST 390

Social Studies in the Secondary School (4)

FALL/WINTER

Prerequisite: EDUC 303 or permission of the instructor. The social studies program for secondary schools. Objectives, curricula, teaching materials, techniques and field experience.

SOST 490

Senior Capstone: Social Studies in the Public Schools (4)

WINTER/SPRING

[satisfies senior capstone university graduation requirement.]

Prerequisites: SOST 390 and senior status in the Social Studies Education major or permission of the instructor. An examination of the objectives, curricula, teaching materials, techniques and methods of social studies.

SOST 497

Social Studies Workshops (1–5)

FALL/WINTER/SPRING/SUMMER

SOST 498

Seminar (1–5)

FALL/WINTER/SPRING/SUMMER

SOST 499

Directed Study (1–5)

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the instructor and the department chair.

SOCIAL WORK

School of Social Work and Human Services

Administration: Michael Frumkin, Dean

121 Senior Hall

(509) 359-6483

Melissa Lavitt, Associate Dean and Director of Graduate Studies

Bill Horner, Undergraduate Program Director

(509) 359-6486

Jim Pippard, Assistant Dean

(509) 359-6480

Jean Cavanaugh, Administrative Services Manager

(509) 359-2324

Mike Ryan, Practicum Director

(509) 359-6477

Sharon Whitehall, Practicum Administrative Support

(509) 359-2282

Patricia Valdes, Coordinator, Graduate Admissions

(509) 359-6772

Diane Somerday, Coordinator, Undergraduate Student Services

(509) 359-6482

Sue Thompson, Student Services Coordinator

(509) 359-6485

Mari Vitale, MSW Advisor

BA

MSW

Faculty: S. Altsbuler, R. Arévalo, L. Avery, L. Brown, E. Byrnes, D. Capetillo, C. Clark, M. Clute, D. Davis, M. Ebrmin, K. Fordham, M. Frumkin, P. Gregory, C. Hudnall, B. Horner, C. Jakobowsky, G. Jansen, M. Lavitt, R. Mackelprang, J. Matthews, L. Morris, L. Parise, M. Peck, R. Phillips, J. Pippard, J. Renner, R. Rich, M. Ryan, K. Shields, R. Stirling, J. Stucker

UNDERGRADUATE PROGRAM

Mission of the School of Social Work: The School of Social Work and Human Services is committed to the ongoing development of social work education which instills a core commitment to building a society based on social and economic justice and enhancing opportunities for human well-being. The School engages students in the acquisition of critically assessed knowledge and practice skills focused on working collaboratively and therapeutically with people.

Vision: The School prepares social work professionals for practice in the public sector or in those private agencies which address the needs of oppressed and disadvantaged populations. Students are provided with the necessary values, knowledge and skills to practice within a rural/regional/small urban service delivery system environment.

Graduates assume key professional practice roles in human service agencies, community organizations, collaborative networks and change focused coalitions.

The curriculum prepares students to engage in processes aimed at empowering individuals to improve their life situation and to modify the organizational, community and societal conditions that prevent oppressed populations from obtaining a basic quality of life.

Through the combined commitment of the practice community and faculty, the School prepares students at the undergraduate and graduate levels for professional social work practice; serves placebound individuals by providing structured part-time, off-campus, programs; responds to the needs of practitioners through the provision of continuing education, staff development and consultation; and undertakes research activities which

contribute to the creation and dissemination of knowledge relevant to the profession.

Affirmative Action

The School is committed to a policy of no discrimination on the basis of race, sex, religion, national origin, age, sexual orientation or disability. Beyond this is a commitment to affirmative action goals.

The profession of social work has officially taken the position that an increasing proportion of society's resources should be made available to members of minority racial and ethnic groups. This School supports this position and seeks to implement it through recruitment efforts, allotment of financial aid and employment practices.

Accreditation

The School of Social Work and Human Services at Eastern Washington University is accredited at the baccalaureate and master's levels by the Council on Social Work Education.

BASW Social Work Goals: The baccalaureate program in social work is designed to provide foundation knowledge and skills for entry-level positions in social agencies and in preparation for a more advanced social work degree in the future.

More specifically, it is the intent of the BASW program to provide social work students the latest knowledge and skills necessary to meet the responsibilities assigned to them in the real world of work, as well as those assigned to them by the profession of social work. These responsibilities are named below and defined in the School's student handbook.

1. Providing professional social work value driven practice in entry level positions;
2. Interpersonal helping;
3. Working with groups and teams;
4. Assessing strengths and challenges in clients and their environments;
5. Assessing risks and the need for protection, transition or other immediate actions;
6. Planning and managing cases with other formal and informal helpers;
7. Linking people to programs and informal resources and
8. Providing tangible, concrete services.

Additionally, because our program has been accredited by the Commission on Accreditation of the Council on Social Work Education we are committed to achieving the following goals stated in the Accreditation Standards.

Graduates of the School's BASW Program will be able to:

- Apply critical thinking skills within the context of professional social work practice.
- Practice within the values and ethics of the social work profession and with the understanding of and respect for the positive value of diversity.
- Demonstrate the professional use of self.
- Understand the forms and mechanism of oppression and discrimination and the strategies of change that advance social and economic justice.
- Understand the history of the social work profession and its current structures and issues.
- Apply the knowledge and skills of generalist social work to practice with systems of all sizes.
- Apply knowledge of bio-psycho-social variables that affect individual development and behavior, and use theoretical frameworks to understand the interactions among individuals and social systems (i.e., families, groups, organizations and communities).
- Analyze the impact of social policies on client systems, workers and agencies.

- Evaluate research studies and apply findings to practice, and under supervision, to evaluate their own practice interventions and those of other relevant systems.
- Use communication skills differentially with a variety of client populations, colleagues and members of the community.
- Use supervision appropriate to generalist practice.
- Function within the structure of organizations and service delivery systems, and, under supervision, seek necessary organizational change.

Admissions Requirements for High School Students: Students planning to major in social work should have a strong college preparatory background. Volunteer experience with a social service agency is also strongly recommended.

Admissions Requirements for Transfer Students and Students Completing AA Degrees: Early planning is highly advantageous to the student. Transfer students should make an appointment to see the Coordinator of Undergraduate Student Services (509) 359-6482 to assist in the transfer.

Application Procedures: There are two separate application procedures for admission. Students must be admitted to EWU and be admitted to the School of Social Work. Students seeking admission to the social work program must submit application materials prior to beginning the junior year, normally the winter or spring quarters. There is no application deadline; the School accepts applications until it has filled the number of sections planned for a given year. Pre-major advising is available through the School by calling (509) 359-6482. Applications may be requested by calling (509) 354-6444 or on our web page sswhs.ewu.edu.

Admissions Criteria: Admission to the program is based on cumulative GPA, a personal statement addressed to the applicant's motivation for choosing social work as a career and experience relevant to social work, and two personal references from faculty or others familiar with how you could perform social work tasks. Applications are reviewed and evaluated by faculty to select candidates with strong potential to enter practice upon completion of their degree work.

Before applying to the program, applicants should have completed most or all of their GEGRs (General Education Core Requirements). In addition, they should have completed or be in the process of completing the University language and other EWU requirements. If these requirements are not complete at the time of application, students should have a plan to complete them and include that plan in their personal statement.

School of Social Work and Human Services Curriculum: The curriculum is designed to meet the goals of the program within a framework that includes a broad liberal arts education and focused professional social work education and socialization.

Social work and support classes with less than a 2.0 are not acceptable for graduation. Credit for life experience cannot be given for any social work courses.

The Field Practicum: The field practicum experience in the social work program is considered a vital element of the curriculum leading to a bachelor of arts degree. It is the major vehicle that permits the student to discover abilities and areas of growth, integrate theory with practice and explore the world of social welfare services.

To enter the practicum, students must have completed all of the social work courses up to the point of practicum entry with a minimum average GPA of 2.7. The field practicum is open to majors only. Application for the practicum is completed in Fall quarter of the student's senior year. Based upon their learning objectives, students are carefully matched with public or private agency settings in diverse areas of service. Students with prior volunteer or work experience are urged to seek placements that offer different tasks, new contacts and opportunities for personal growth.

Required Courses and Course Sequence for Social Work

Majors:

FRESHMEN, SOPHOMORES OR JUNIORS:

FALL or SPRING Quarter

SOWK 273 Introduction to Social Work (5)

JUNIORS:

FALL Quarter

SOWK 310 Human Identity (4)

SOWK 378 Human Behavior in the Social Environment I (4)

SOWK 460 Methods I Social Work Engagement and Assessment (4)

WINTER Quarter

SOWK 379 Human Behavior in the Social Environment II (4)

SOWK 461 Methods II Practice with Individuals and Families (4)

SOWK 470 Social Policy Analysis (5)

SPRING Quarter

SOWK 462 Methods III Practice with Groups and Teams (4)

SOWK 468 Research I Research Methods for Social Work (4)

SOWK Elective (minimum of 3)

SENIORS:

FALL Quarter

SOWK 463 Methods IV Social Work Case Management (4)

SOWK 469 Research II Data Analysis for Social Work (4)

SOWK Elective (minimum of 3)

WINTER Quarter

SOWK 480 Practicum Seminar I (1)

SOWK 482 Block Practicum I (8)

SPRING Quarter

SOWK 481 Practicum Seminar II (1)

SOWK 483 Block Practicum II (7)

SOWK 490 Social Work Senior Capstone (4)

Required courses in the following program of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)

Social Work Major (73 credits)

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses

SOWK 273 Introduction to Social Work (5)

SOWK 310 Human Identity (4)

SOWK 378 Human Behavior in Social Environment I (4)

SOWK 379 Human Behavior in Social Environment II (4)

SOWK 460 Methods I Social Work Engagement and Assessment (4)

SOWK 461 Methods II Practice with Individuals and Families (4)

SOWK 462 Methods III Practice with Groups and Teams (4)

SOWK 463 Methods IV Social Work Case Management (4)

SOWK 468 Research I Research Methods for Social Work (4)

SOWK 469 Research II Data Analysis for Social Work (4)

SOWK 470 Social Policy Analysis (5)

SOWK 480 Practicum Seminar I (1)

SOWK 481 Practicum Seminar II (1)

SOWK 482 Block Practicum I (8)

SOWK 483 Block Practicum II (7)

SOWK 490 Social Work Senior Capstone (4)

SOWK Elective (3)

SOWK or ADST Elective (3)

Total credits for above major

73 credits

GRADUATE PROGRAMS

Melissa Lavitt, Associate Dean and Graduate Program Director

The Master of Social Work Program (MSW)

The Master of Social Work Program was established in 1974, following authorization by the state government to meet the need for graduate professional education in social work in the Inland Northwest. The first class of graduate students was admitted in 1975, at which time the program was granted accreditation candidacy status by the Council on Social Work Education. Full accreditation was conferred in 1977, reaffirmed in 1984, 1993 and again in 2001.

The MSW program is guided by an advanced generalist practice perspective. This model meets the requirements of diversified practice in rural, regional or small urban service delivery settings. It is change-oriented, emphasizing analytical skills and utilizing a variety of assessment perspectives, agency orientations, intervention strategies and interactional techniques.

MSW Choices

The School provides two options for the MSW: campus full-time study and community-based part-time study. Advanced standing programs are available in both campus and community based settings.

Full-time Campus Program

Students admitted to the campus program follow standard academic-year calendars and complete their degrees within six quarters, excluding summers, in a program of full-time study. Because of the demands of the full-time program, full-time employment is not recommended while a student is in the program.

Part-Time Programs

Part-time programs are offered in Spokane, Yakima, Everett and Vancouver, Washington.

Admission to the part-time programs is not offered every year; interested applicants should consult the School about program offerings prior to applying for admission to this program.

The part-time program curriculum is the same as that of the campus program, though spread out over a three-year period. Classes are scheduled during the evening to accommodate students' work responsibilities.

Admission requirements and procedures are the same as for the full-time campus program

Advanced Standing Program

This program allows qualified BSW graduates to complete their MSW degree within three quarters and one summer term in the full-time program or in seven consecutive quarters in the part-time program. Admission requirements are similar to those of the full-time program but also require: a 3.50 GPA in undergraduate social work courses, a minimum of one year (or 2000 hours) successful pre or post-BSW social work paid or volunteer experience.

Admission to the MSW Program**Admission Requirements**

Admission to the MSW program is based upon the following:

1. Successful completion of a bachelor's degree from an accredited college or university.
2. a. A cumulative grade-point average of no less than 3.00 in the last 90 graded quarter credits or 60 graded semester credits.
b. Upon recommendation of the Graduate Program Director, the Dean of Graduate Studies may admit a limited number of students, with GPAs under 3.00, based upon considerations which include GRE or other appropriate test scores, performance in relevant graduate courses and faculty evaluations.
3. Official academic transcripts showing:
 - a. A bachelor's degree with evidence at least 45 quarter credits in social science content broadly distributed beyond the introductory level in sociology, political science, economics, anthropology, psychology, social or intellectual history, or human development.

or

- b. A BSW degree (or BA in Social Work) from an institution accredited by the Council on Social Work Education.
4. The personal capacity and commitment for graduate study and professional practice in social work as evidenced by the applicant's undergraduate record, personal statement, references and work experience.

Applicants who have questions concerning these criteria are advised to contact the School for further information.

Application Procedures

Please request an application packet containing necessary forms and detailed information from the School of Social Work and Human Services Graduate Student Services Office at (509) 359-6485.

Early application is advised. The School reviews applications when all materials are received and notifies candidates, by letter, as to their admission status. Applications are reviewed in terms of the qualifications of each applicant, not as they compare to an overall applicant pool. There is no application deadline date.

Admission to the MSW Program is a dual process: Applicants must be admitted to the School of Social Work and Human Services and to Graduate Studies at EWU. Graduate admission forms are included in the School of Social Work and Human Services admissions packet and are also available online at grad.ewu.edu/prospective_students/admission.html.

The University Catalog is available online at www.ewu.edu/catalogs/. If you need a paper copy please call the Social Work office of Student Services at (509) 359-6485.

To the Graduate Studies Office at EWU send:

1. Two copies of the Graduate School application and a \$35.00 non-refundable application fee (application forms are located on the website at www.ewu.edu/grad and in the application packet).
2. Two official copies of transcripts from every college or university attended. Official transcripts bear the seal of the University or college and are in an unopened university or college envelope.

Mail this information to Eastern Washington University, Graduate Studies Office, 206 Showalter, Cheney, WA 99004-2444.

To the School of Social Work and Human Services send:

1. A "personal statement" which consists of:
 - a) Autobiography.
 - b) Answers to Professionally Focused Questions.
2. Three reference forms from people who are familiar with your current and potential qualifications for the profession of social work and/or graduate education (e.g. an employer, supervisor, colleague, field instructor or teacher).
3. If you are applying for the Advanced Standing MSW Program, note that applications must include specific references and additional requirements.

Mail this information to Social Work Graduate Admissions, Eastern Washington University, 121 Senior Hall, Cheney, WA 99004-2441.

Instructions for applicant's personal statement**Introduction**

Your personal statement is a major factor used to evaluate your application file. The specificity and clarity of your remarks will assist faculty to assess your capacity and readiness for graduate education, your writing skills and your ability to achieve your career goals in the program. The total number of pages for the personal statement should be no longer than eight double-spaced, typed pages.

The personal statement has two parts:

- 1) An autobiography.
- 2) Answers to a series of professionally focused questions.

It is suggested that you draft your autobiography first to provide background and context for your answers to the second part of the personal statement.

Autobiography

The autobiography gives you an opportunity to tell us about yourself and what has led you to this point in your life. The content should help us understand what life experiences have molded you as a potential graduate student and professional social worker.

The focus should be on the importance of these facts for your personal and career development. The autobiography must be a maximum of four typed, double-spaced pages.

Also, please respond to these questions:

- a) What has been most meaningful to you in your life as it relates to pursuing an MSW degree?
- b) What two values do you hold highly and why?

Answers to Professionally-Focused Questions

Please identify your answers for each of the questions by writing the number of the question and the underlined word or phrase following the number. Answer the questions in the progression indicated. This response must be a maximum of four typed, double-spaced pages.

Title: "Responses to Specific Questions."

- 1) Factors. Why are you applying to this graduate School of Social Work? (Reflect upon the School's mission statement in your answer.)
- 2) Career Goals. What are your short- (within three years of MSW graduation) and longer-term career and professional goals. As part of your response:
 - a) Identify what client populations you would be working with, for example: children and families, elderly, physically challenged persons, persons of color, etc.
 - b) Describe your ideal social work job upon MSW graduation. (Include whether it would be working directly with individual clients or groups including families or in such areas as community action/development, administration or program planning).
 - c) Describe your ideal job or position ten years after your MSW degree.
 - d) Discuss your preferences about practicing in rural/regional or small urban settings.
- 3) Strengths and Concerns. What do you consider your major achievements in your personal and professional life? What do you believe your strengths will be as a graduate student? Will you have areas of difficulty or concern as a student? If so, what are they and how do you plan to deal with them.
- 4) Describe client population(s) with whom you would be most comfortable working as well as those with whom you would be uncomfortable.
- 5) Interests. Do you have any particular research or non-research interests which you want to explore as a student?

Addendum to the "Personal Statement"

Advanced Standing Students only. Prepare an additional essay titled "Professional Readiness for the Advanced Standing Program." Please cover the following topics in the essay.

- Assess the contributions which your BSW education and practice experience have made to your current professional development and practice, identifying accomplishments, significant practice and program development activities and other evidence of excellence. How have your education, work and life experiences prepared you for Advanced Standing status?
- Articulate specific expectations you have for your learning in the Advanced Standing Program. How do these expectations relate to your short and longer-term post MSW career goals?
- List your experience and hours, (a minimum of 12 months, pre or post BSW, a total of 2000 clock hours) working in social services (volunteer or paid prior to the beginning of classes). Do not include your practicum experience. (Form can be found at sswhs.ewu.edu or in application packet).

LETTERS OF REFERENCE

Full time candidates (for campus and part-time programs) need three reference forms attesting to the quality of their academic performance, paid work experience in social welfare or volunteer experience.

Advanced Standing candidates need three references, **two must be from the following persons**, 1) applicant's most recent **human service employer, supervisor or agency director** (either paid or volunteer). 2) **BSW faculty** who can comment on your readiness for entering an Advanced Standing program. These two references need to **address the applicant's level of academic and practice skills required to complete an Advanced Standing Program.** Applications will not be processed without these two references. (Forms available at sswhs.ewu.edu or in application packet). The third reference is chosen by the applicant.

All documents must be received before applications can be processed. Applicants are responsible for assuring that transcripts and references have been received by the School.

Application Timetable for Campus Full-Time Program

One full-time graduate class is admitted each year beginning in the fall quarter. The School employs a rolling admissions process, with an application deadline of 45 days prior to the start of the program. The School of Social Work's policy is to fill each year's class by 45 days before the beginning of an academic year or the start of a new part-time program. In cases where this is not possible applications will continue to be reviewed until the class is filled. **Consult the Coordinator of Graduate Student Services for specific information regarding the application time table. Early application is advisable and is important for those seeking financial aid and tuition waivers.**

Financial Aid

The University Financial Aid and Scholarship Office has a packet of materials for those interested in financial aid options (work-study, student loans, scholarships). A "Free Application for Federal Student Aid" (FAFSA) form needs to be submitted with all financial aid applications. This form is found at www.fafsa.edu.

Apply for financial aid at the same time application is made for admission. Early application for financial aid (January) will maximize chances of receiving an award for the following academic year.

The Financial Aid office address is Eastern Washington University, 102 Sutton Hall, Cheney WA 99004-2447. The telephone number is (509) 359-2314, (509) 359-6216. Access general financial aid information through the EWU website at www.ewu.edu

WICHE Waiver: Students from Alaska, Arizona, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah and Wyoming are eligible for in-state tuition within the limits of available University funding. The Western Interstate Commission for Higher Education (WICHE) designates the MSW Program at Eastern as a "regional graduate program." Early application will maximize chances of receiving a waiver, which is available only to full-time students.

Eastern Washington University Graduate Tuition Waiver Scholarships: Students from states outside of Washington (with a GPA of 3.0 or above) may be nominated for a graduate waiver that adjusts tuition to 150% of in-state rates. Students who receive WICHE waivers are not eligible for this award, which is available to full-time students only.

USPHS Scholarships for Disadvantaged Students: (Available to full-time students only.) The School is also the recipient of the U.S. Public Health Service "Scholarships for Disadvantaged Students Program." While these funds must be renewed on a yearly basis, (and thus they are not guaranteed) it is expected that the School will continue to receive such funding. These funds are distributed to incoming MSW students based solely on financial need.

Graduate Part-Time Employment: Students interested in part-time employment through the School of Social Work and Human Services should fill out the "Graduate Part-Time Employment Placement Form." Recipients of these appointments work up to 10 hours per week on tasks which meet the needs of the school and the faculty. The appointments are made at the beginning of fall quarter.

Field Practicum Stipends: There are a limited number of partially paid practicums. Some of the sites include: The Veterans Administration and Aging and Long Term Care. While these funds must be renewed on a yearly basis, (and thus they are not guaranteed) it is expected that the School will continue to receive such funding.

The Child Welfare Training and Advancement Program in Washington and Idaho State is a stipend program for qualified students interested in the field of Child Welfare. Amount of stipend varies. For information in Washington state contact the Title IV-E Office at (509) 359-4628. For Idaho State contact the Title IV-E office at (208) 676-8856.

Transfer Students

Students desiring to transfer from other accredited MSW programs must first apply for admission to the School. If admitted, students will have their credits evaluated on a case-by-case basis.

Degree Requirements

Overview of the Curriculum

The MSW program prepares professional social workers to engage in advanced generalist practice across multiple systems and provide leadership for social justice. The curriculum consists of a foundation for generalist practice and an advanced curriculum for advanced generalist practice.

The foundation curriculum focuses on social work practice, social welfare policy and theories of human behavior in the social environment. Courses include *Foundations of Professional Social Work Practice*, *Social Work Assessment and Practice with Individuals and Families*, *Societal Context of Practice and Human Development in Contemporary Environments*, *Biopsychosocial Bases for Human Development* provides a holistic framework for understanding the ways in which biological factors interact with psychological and sociocultural processes to influence human development. *Social Work Practice in a Diverse Society* develops knowledge of diverse populations with whom, and on behalf of whom, social workers practice. The course also explores practice principles for working with people of difference and for working in an increasingly diverse society. *Social Work Intervention and Evaluation with Individuals and Families and Social Work Groups* continue the development of practice knowledge and skills.

The foundation continues to prepare students for generalist practice with systems of different sizes through the course *Organizational and Community Contexts of Practice*. Students learn to critically evaluate and use research in their practice in the course *Research Methods for Program and Practice Evaluation*. Students also begin the first quarter of a four-quarter field practicum and integrative seminar near the end of the foundation curriculum.

The MSW program requires a total of 968 hours of field practicum and 80 hours of integrative seminar sequenced over the course of the program. Each student is placed in a social service agency or other public or private organization related to the welfare of people. In the placement, the student performs social work tasks in the role of a student learner. Direction and instruction are provided by a faculty member of the School, working collaboratively with a designated agency supervisor in the organization. The faculty member, the agency supervisor and the student negotiate a contract specifying student learning goals, potential field learning experiences and the means for evaluating the field learning. Agencies and organizations throughout the state of Washington in rural, urban and regional settings are used as field placements.

Students who wish to complete practicum requirements within their current or former workplace must indicate this desire to the School at the time of admission. This indication does not automatically ensure a practicum in the workplace. Consideration will be given to each request individually. Practicum

placements in the workplace must conform with all of the School's existing field practicum requirements.

Courses in the advanced portion of the curriculum prepare students for advanced generalist practice with systems of all sizes. Students develop leadership skills working with clients and communities to advance social justice, particularly for socially excluded, at-risk or marginalized populations. Two required courses in *Advanced Generalist Practice (I & II)* present theoretical models and specific skills in engagement, assessment, and intervention with individuals, families, groups, organizations and communities. A required *Proseminar in Social Welfare Policies and Programs* examines the political context for decision that affect the lives of clients. Two required courses that focus on applied research are also part of the advanced portion of the curriculum. The first course, *Planning for Community-Based Projects*, helps students develop an applied research project in the community that they will implement using the skills taught in the second research methods course, *Research Methods for Data Analysis & Presentation*. Students also choose 12 credits of elective courses to help focus their learning to meet their professional goals. The required Practicum and its related Integrative Seminar continue throughout each quarter of the advanced portion of the curriculum.

The plan for delivering the curriculum is shown below.

The MSW curriculum comprises sequenced foundation and advanced course work. On-campus, full-time students complete the curriculum in two years or six quarters. Off-campus, part-time students complete the program in a sequenced manner over the course of three years, or 12 quarters.

Foundation Curriculum - 45 required credits

- SOWK 531 Societal Context of Practice (4)
- SOWK 532 Foundations of Professional Social Work Practice (4)
- SOWK 533 Social Work Assessment and Practice with Individuals and Families (4)
- SOWK 540 Human Development in Contemporary Environments (4)
- SOWK 541 Social Work Practice in a Diverse Society (4)
- SOWK 550 Social Work with Groups (4)
- SOWK 553 Social Work Intervention and Evaluation with Individuals and Families (4)
- SOWK 557 Biopsychosocial Bases for Human Development (4)
- SOWK 525 Research Methods for Program and Practice Evaluation (4)
- SOWK 530 Organizational and Community Contexts of Practice (4)
- SOWK 581 Integrative Seminar I (1)
- SOWK 695 Practicum (4)

Advanced Curriculum in Advanced Generalist Practice - 45 credits

- SOWK 602 Advanced Generalist Practice I (4)
- SOWK 604 Planning for Community-Based Projects (4)
- SOWK 695 Practicum (3)
- SOWK 582 Integrative Seminar II (1)
- SOWK 568 Proseminar in Social Welfare Policies and Programs (4)
- SOWK 526 Research Methods for Data Analysis and Presentation (4)
- SOWK 695 Practicum (3)
- SOWK 583 Integrative Seminar III (1)
- SOWK 603 Advanced Generalist Practice II (4)
- SOWK 695 Practicum (4)
- SOWK 584 Integrative Seminar IV (1)

Electives: 12 credits

Required program credits

Elective credits

Total required program credits

78 credits

12 credits

90 credits

MSW Degree Requirements

Students are required to complete 90 credits of required and elective course work (51 credits in the Advanced Standing Program), and must maintain a 3.0 cumulative GPA.

Prior to earning 45 credits (during Fall Quarter for Advanced Standing Program), students will develop a contract program in consultation with faculty, outlining the program of courses to be completed for the degree. This contract will be based on the student's career goals, standards of the profession and the objectives of the School. Development and approval of the contract program will be accomplished in conjunction with advancement to degree candidacy.

The research requirement of the University is met by successful completion of two research courses which includes a research project. Students may choose to engage in an additional research project, and students who elect to do so may also produce a thesis.

A final comprehensive oral examination will be administered in the student's final quarter.

Advanced Standing Program

Summer preparation program (6 credits) is required before entry to second year fall quarter classes.

The one year (Advanced Standing) Program is designed for persons who have graduated from a CSWE accredited BSW program and who meet the following criteria:

1. An overall undergraduate GPA of 3.0 (on a 4.0 scale) and a 3.5 in BSW course work.
2. One year (or 2000 hours) of pre- or post-BSW paid or volunteer human service experience prior to the beginning of classes.
3. Three favorable references, two of which must be from the following persons, with a third chosen by the applicant:
 - Applicant's most recent human services employer, supervisor or agency director (paid or volunteer).
 - One of applicant's BSW faculty members.

This program requires a total of 51 credits. Foundation, or first-year, course requirements are waived because students have received equivalent content in their BSW programs. A 6-credit Professional Preparation Seminar is required to prepare students for their advanced portion of the curriculum. The distribution of credits is as follows:

1. Professional Preparation Seminar (6)
2. Advanced Required Classes (20)
 - SOWK 526 Research Methods for Data Analysis & Presentation (4)
 - SOWK 568 Proseminars in Social Welfare Policies and Programs (4)
 - SOWK 602 Advanced Generalist Practice I (4)
 - SOWK 603 Advanced Generalist Practice II (4)
 - SOWK 604 Planning for Community-Based Projects (4)
3. Elective Courses (12)
4. Practicum and Integrative Seminars (13)
 - SOWK 582, 583, 584 Integrative Seminars II, III, IV (3)
 - SOWK 695 Advanced Field Practicum (10)

Advanced standing preparation credits	6 credits
Advanced curriculum required course credits	20 credits
Minimum elective credits	12 credits
Advanced curriculum required practicum and seminar credits	13 credits
Minimum total required program credits	51 credits

Innovative Program Options

The School of Social Work and Human Services offers several ways in which students can focus their programs of study to meet their professional goals. Certificates typically require approximately three courses in lieu of social work electives. Dual degrees have more extensive requirements, depending on the requirements of the particular programs involved. Interested students should contact the Graduate Student Services Coordinator, Patricia Valdes (509-359-6772), for additional information and/or individuals associated with programs listed below.

Certification for School Social Work—Contact: Pat McCollom at (509) 363-4628

The state of Washington requires Initial Level Certification to qualify for employment in the public school system. The School of Social Work and Human Services offers practica at all sites to prepare students for work as a school social worker.

Certificate in Public Administration for Social Workers—Contact: PADM Director at (509) 358-2248

This 12 credit certificate provides interested students with content in: Planning and Budgeting, Grant Writing and Personnel Management. The Three courses provide elective credit to the MSW degree. Students may also take related courses in Public Administration without pursuing the certificate.

MSW/MPA Dual Degree Program—Contact: Larry Luton, Public Administration Director at (509) 358-2248

More comprehensive than a Certificate, this cooperative degree option allows students to prepare for professional employment in both social worker and public administration. Interested students are encouraged to review the catalog descriptions in Public Administration to get an overview of the course work in this field.

Certificate in Health Services Administration—Contact: Dr. Mary Ann Keogh-Hoss at (509) 358-2263

This 20-credit certificate is for students with an interest in the health related aspects of professional social work practice. The certificate includes course work on US Health Care Systems, Health Reimbursement and an additional course related to the student's area of interest. Separate application is required.

Center for Studies in Aging—Contact Dr. Maria Hernanandez-Peck at mpeck@mail.ewu.edu

The Center provides interested students an opportunity to focus their course work and practicum experience in the growing area of practice with older adults. Many of the community-based internships offer a stipend to qualified students. The Center sponsors a Scholar-in-Residence and has established strong community and organizational linkages to develop programs that better meet the needs of our aging population.

MSW/JD Degree—Contact: Dr. Melissa Lavitt at mlavitt@mail.ewu.edu

Offered in collaboration with Gonzaga University Law School, students complete the requirements of both professional programs. Approximately 12 credits are counted toward both programs of study. In consultation with advisors in law and social work, students are placed in practica that address the legal and psychosocial needs of vulnerable clients. Integrative seminars allow students to better identify points of intersection of social work and the law, and how practice in one field can enhance work in the other.

Student Organization

The social work graduate student organization is recognized by the University as an established student organization and, as such, may request funding from the Associated Students of EWU to sponsor additional educational endeavors; e.g., workshops, guest speakers. Graduate students are encouraged to become members of School of Social Work and Human Services committees and other University and community committees and organizations.

Social Work Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

SOWK 273

Introduction to Social Work (5)

FALL/SPRING

Prerequisite: Successful completion of English 201 or its equivalent.

Explores the history of social work and social welfare in the United States. Introduces values and ethics in relation to social work practice. Provides an understanding of social work interventions in relation to issues of social justice, oppression and discrimination.

SOWK 310

Human Identity (4)

Prerequisites: Social Work major; junior standing and ENGL 201 or equivalent or permission of the Director of Social Work.

FALL

Human Identity explores human uniqueness. The course considers whether human characteristics are genetic or learned. It investigates the nature of human self-perception and self-expression, and it studies the human sense of morality. Faculty interest and preparation determine the emphasis in each particular class, but all 310 classes draw from various modes of expression such as non-fiction, fiction, poetry, music, dance and visual art. All classes emphasize writing, collaboration and different forms of public speaking.

SOWK 378

Human Behavior in the Social Environment I (4)

FALL

Prerequisites: SOWK 310 recommended; SOWK 273 or currently enrolled.

Employs a systems framework for using biopsychosocial research findings, theories and related knowledge to understand the development and behavior of individuals and families. Examines the reciprocal influences of culture, social injustice, poverty and related phenomena on development and behavior. Critically assesses the related research.

SOWK 379

Human Behavior in the Social Environment II (4)

WINTER

Prerequisite: SOWK 378.

A continuation of the approach to understanding the biopsychosocial influences on development and behavior taken in SOWK 378.

SOWK 395

Experiential Learning (elective) (1-15)

FALL/WINTER/SPRING

Coordinated through the Internship Office. Prerequisite: Permission of the instructor.

Individualized learning and career development through an off-campus internship. Designed to help students develop beginning knowledge of agency work. Does not substitute for Field Practicum but gives added preparation to students with minimal work experience.

SOWK 399

Special Studies and Programs (electives) (1-15)

FALL/WINTER/SPRING

Prerequisite: Permission of the instructor.

SOWK 448

Gay and Lesbian Issues for the Social Work Practitioner (3)

Prerequisite: ENGL 201 or permission of the instructor.

Designed to assist professionals who may encounter lesbian, bisexual, gay and transgendered individuals as clients. The course educates and suggests counseling approaches helpful to gays and lesbians and explores available support systems. (Cross-listed WMST 448)

SOWK 450

Women and Social Reform (3)

FALL/WINTER/SPRING/SUMMER

Prerequisites: Upper-division standing, ability to handle 400/500-level analysis, writing and seminar participation.

Activities and accomplishments of women working toward social change. Strategies and tactics of organizing communities and society that have been to improve the status of women and other disadvantaged groups. Reform movements, issues or actions covered include suffrage, abolition, neighborhood development, ERA and unionization. Current issues and organizations related to changes for women in society. (Cross-listed WMST 450)

SOWK 451

Women in Administration (3)

FALL/WINTER/SPRING/SUMMER

Prerequisites: Upper-division standing, ability to handle 400/500-level analysis, writing and seminar participation.

The course focuses on study of the barriers to women in their efforts to function or advance in administrative roles. The social, economic and cultural bases for the barriers are analyzed. Strategies to reduce resistance to the advancement of women, based on concepts of organizational change, participatory management and feminist philosophy are presented. Some emphasis is placed on the interaction of racism and sexism and the special impacts on minority women.

SOWK 452

Gender and Sexual Assault (4)

Prerequisite: ENGL 201.

This course addresses contemporary concerns about sexual assault, primarily, but not exclusively, against women. Feminist perspectives on gender socialization and sexual violence provide frameworks for understanding personal and societal responses to sexual violence. Dynamics of trauma and recovery, treatment, prevention and change strategies will be discussed. (Cross-listed WMST 452)

SOWK 455

Social Policy and Programs in Aging (3)

FALL/WINTER/SPRING/SUMMER

Prerequisite: AGST 310 or permission of the instructor.

Social welfare policies and programs serving the aging are examined, past and present, in terms of their overall impact on the aged and on society at large. The needs and gaps in services to the aged are evaluated, as well as the adequacy with which these services are delivered, and the response of programs and services to the changing needs of the aged. (Cross-listed AGST 455)

SOWK 456

The Older Woman (3)

FALL/WINTER/SPRING/SUMMER

Prerequisite: AGST 310 or permission of the instructor.

Older women's needs, problems and potential for change are considered. The social, economic and health problems confronting older women are also examined, and policy and program alternatives to improve their lives will be explored. (Cross-listed AGST 456)

SOWK 457

Clinical Assessment in Aging (3)

FALL/WINTER/SPRING/SUMMER

Prerequisites: AGST 310 and/or permission of the instructor.

An introduction to the assessment skills required for professional social work practice in mental health and other clinical settings dealing with the elderly. The course is intended for social work practitioners and graduate students. Others may be considered for admission on an individual basis with instructor's permission. (Cross-listed AGST 457)

SOWK 458

Perspectives on Death and Dying (3)

FALL/WINTER/SPRING/SUMMER

Prerequisite: AGST 310 or permission of the instructor.

This course is designed to assist students in the helping professions who wish to work with the terminally ill. Focus will be on an increased ability to deal with one's own mortality; the development of beginning skills for working with the terminally ill and their families; an understanding of the complex social system which surrounds death in modern America; as well as the current moral, ethical and philosophical issues in the field. (Cross-listed AGST 458)

SOWK 460

Methods I Social Work Engagement and Assessment (4)

FALL

Prerequisites: SOWK 310 recommended, and concurrently enrolled in SOWK 273 and SOWK 378.

Relationship building skills emphasized to gather and interpret biopsychosocial data on the interactions between individuals and families and their environments. Emphasizes culturally competent, strengths-based and systems oriented assessment. Demonstrates how social work values and the generalist perspective guide assessment. Explores role of self in helping process.

SOWK 461

Methods II Practice with Individuals and Families (4)

WINTER

Prerequisite: SOWK 460. Applies the assessment information obtained in 460 to social work interventions with individuals and families. Emphasizes culturally competent interventions which build on strengths and resources in multiple environments. Continues examination of self in role of change agent.

SOWK 462

Methods III Practice with Groups and Teams (4)

SPRING

Prerequisites: SOWK 460, 461.

This course differs from 461 in terms of focus and the social work methods taught. Values, use of self, cultural competence, strengths and resources continue to be important practice skills within this new context. Critical thinking and effective communication are additional foci for knowledge and skill development.

SOWK 463**Methods IV Social Work Case Management (4)**

FALL

Prerequisites: 460, 461, 462.

How to piece together a unified service response to a consumer in a political and economic context that shapes a fragmented, competitive and incomplete service system. How to understand and respect the dignity of consumers and colleagues when orchestrating and managing divergent perspectives, needs and interests. This course differs from the previous methods courses in its focus on knowledge and skills related to case management.

SOWK 468**Research I-Research Methods for Social Work (4)**

SPRING

Prerequisite: SOWK 273.

Prepares students to evaluate research findings for social work practice and to design and carry out basic research procedures.

SOWK 469**Research II-Data Analysis for Social Work (4)**

FALL

Prerequisites: SOWK 468, MATH 104. MATH 115 recommended.

Descriptive and inferential statistics are included. Students are introduced to software for data analysis.

SOWK 470**Social Policy Analysis (5)**

WINTER

Prerequisite: SOWK 273.

Introduction to social policy analysis and the social policy process. Examines various policies and processes of social legislation in terms of their impact on social service programs.

SOWK 471**Human Rights and Women's Rights (4)**

Prerequisite: ENGL 201 or permission of the instructor.

Examines the history of human rights and dignity, the United Nation as framework, human rights of women (violence against women, health, housing, education), children's rights and approaches to achieve social justice, locally and globally. (Cross-listed WMST 471)

SOWK 480**Practicum Seminar I (1)**

WINTER

Prerequisite: SOWK 482 taken concurrently; Social Work major; cum GPA of 2.7 in social work courses; no remaining incompletes in social work courses.

Integrates classroom knowledge and skills with real world social agency tasks and processes student experiences in the practicum. Emphasis on application and fit of social work values and critical thinking in the real world.

SOWK 481**Practicum Seminar II (1)**

SPRING

Prerequisite: SOWK 483 taken concurrently; Social Work major; cum GPA of 2.7 in social work courses; no remaining incompletes in social work courses.

Integrates classroom knowledge and skills with real world social agency tasks and processes student experiences in the practicum. Because the student will be asked to perform different tasks at this stage in practicum learning, the content of the seminar will likewise change. Continued emphasis on application and fit of social work values in the real world.

SOWK 482**Block Practicum I (8)**

WINTER

Prerequisites: Social Work major; cumulative GPA of 2.7 in social work courses. No remaining incompletes in social work courses.

In *Block Practicum I*, students integrate course work in a practice setting. In a social work agency, students, agency field instructors and faculty field instructors plan activities which support the development of generalist skills as specified in individualized learning contracts.

SOWK 483**Block Practicum II (7)**

SPRING

Prerequisites: Social Work major; cumulative GPA of 2.7 in social work courses. No remaining incompletes in social work courses.

In *Block Practicum II*, students integrate course work in a practice setting. In a social work agency, students, agency field instructors and faculty field instructors plan activities which support the development of generalist skills as specified in individualized learning contracts.

SOWK 490**Social Work Senior Capstone (4)**

SPRING

[satisfies senior capstone university graduation requirement.]

Prerequisites: Senior standing and Social Work as a declared major.

The educational goal is to further develop students' applied knowledge and skill in the domains: critical thinking, cultural competence, multidimensional thinking, civic mindedness, professional identity, problem solving, working in teams, integrative thinking and contextual thinking, including the ability to understand how smaller regional problems are related to larger societal problems, beginning with critical thinking. This will be achieved by focusing on projects related to a practicum issue which also has national significance. Students will demonstrate their creativity in the selection of these projects.

SOWK 492**Child Welfare Programs and Services (5)**

FALL/WINTER/SPRING/SUMMER

The function and purposes of child welfare programs, public and private; child welfare legislation; trends in child welfare services. Elective.

SOWK 497**Workshops, Short Courses, or Conferences (1-5)**

FALL/WINTER/SPRING/SUMMER

Short duration programs of contemporary significance in societal-cultural behavior areas. The range and scope of topics are essentially interdisciplinary, and students from all academic areas are eligible to participate. Elective.

SOWK 498**Departmental Seminar (1-5)**

FALL/WINTER/SPRING

May be repeated once for credit.

Readings and evaluations in contemporary issues in social welfare. Elective.

SOWK 499**Directed Study (1-5)**

FALL/WINTER/SPRING

Prerequisite: Permission of the instructor.

Independent study in selected areas of social work. Open to seniors and graduate students from any department. Elective.

SOWK 525**Research Methods for Program and Practice Evaluation (4)**

An overview of methods and procedures for conducting research in social work. Attention is given to research designs for evaluating social work practice with small systems and social welfare programs. Students learn to critically evaluate and utilize research, select research instruments and design applied research projects.

SOWK 526**Research Methods for Data Analysis and Presentation (4)**

Prerequisites: 525, 530, 581 and 4 credits of 695; or 560 Advanced Standing Seminar.

Continues applied research projects through the processes of data collection, data analysis, and presentation and dissemination of research findings. Involves work with data generated through student projects to understand statistical concepts, data analysis and the use of statistical programs and computer graphics for the presentation of information in agency and community settings.

SOWK 530**Organizational and Community Contexts of Practice (4)**

This course explores the nature of community organizations and social service delivery systems and their relationships to other community systems. Attention is given to understanding the dynamics of power, economics, politics and social policies impacting the life of organizations and communities. Students are introduced to ways of assessing organizations and communities with a particular emphasis on community collaborative networks and partnership projects that impact direct service delivery for at-risk populations in urban and rural contexts.

SOWK 531**Societal Context of Practice (4)**

The impact of the political economy on the social welfare system and the pursuit of social justice is the focus of this course. Social welfare history, social values, social policies, social institutions and basic services and programs are explored, especially those that affect populations at-risk. The course develops understanding of the ways in which the social welfare system is both shaped by and influences political, economic, social and cultural forces interacting globally and throughout history.

SOWK 532**Foundations of Professional Social Work Practice (4)**

This course provides a framework for understanding the mission and purpose of social work practice, the historical roots and ethical foundations for the profession, and emerging themes and models of practice. The course highlights required theoretical knowledge for informed practice, advanced generalist practice principles and the specific roles in day-by-day professional practice. Cultural competence as an essential element of practice is also emphasized. The course introduces students to the challenges of graduate social work education and to the professional culture of social work, typified by NASW, its professional organization.

SOWK 533**Social Work Assessment and Practice with Individuals and Families (4)**

Examines individual and family intervention within American social systems across ethnic, social, class and gender differences. Students learn effective strengths-based interviewing processes with individuals and families and build communications skills. The organizing framework for intervention is ecological systems and a strengths perspective. Current practice models that incorporate the organizing framework are reviewed for their application to specific problem situations.

SOWK 540***Human Development in Contemporary Environments (4)***

Research and theory about contexts and interactions influencing human development over the life course. Emphasis on understanding life course development in oppressed, vulnerable and underserved populations. Critical attention is paid to the use and limits of research and theory in relation to these populations.

SOWK 541***Social Work Practice in a Diverse Society (4)***

For purposes of this course, diverse populations refers mainly to ethnic groups; however, other diverse groups are discussed. After brief descriptive materials are presented for each population, the course emphasizes the development of a knowledge base and skills for working with diverse populations at both the direct practice and macro levels. A primary critical skill is the examination of one's own attitudes and values. Models of practice with diverse populations are presented for comparative purposes.

SOWK 550***Social Work with Groups (4)***

The course develops knowledge and skills for social work practice with groups and natural helping systems. Prepares students to utilize mutual aid groups as a helping resource for clients, facilitate treatment groups and participate effectively as a member of committees, interagency teams and other task groups. The practice of work with groups is presented through lecture and discussion, observational assignments, role plays and participation in small group learning experiences.

SOWK 551***Community Skills for Prevention, Advocacy and Resource Development (4)***

Prerequisites: 525, 530, 581 and 4 credits of 695; or 560 Advanced Standing Seminar.

Introduces students to methods of social work which can mobilize diverse individuals, families and communities to be involved in strengthening their lives and the communities in which they live. The emphasis of the course is on learning skills that focus on capacity building and increasing power of community members in decision making about changing conditions in communities and neighborhoods. Models of prevention as community building are explored as well as practice skills for advocacy, grassroots fund raising and facilitating the process of community change.

SOWK 552***Organizational Leadership, Management and Change (4)***

Prerequisites: 525, 530, 581 and 4 credits of 695; or 560 Advanced Standing Seminar.

This course focuses on leadership and change in social service agencies in relationship to the roles and functions of managers and administrators. The course provides a general overview of administrative and supervisory functions in social agencies focusing on the knowledge, values and skills needed for managing change and providing leadership. These are the qualities needed for successful administrative practice in first line and middle management positions and in small agencies typically found in rural and regional contexts.

SOWK 553***Social Work Intervention and Evaluation with Individuals and Families (4)***

Continues social work practice knowledge and skill development for work with individuals and families. This is the second of a two-course sequence focused on the intervention, ongoing assessment and the termination and evaluation phases of the helping process. The course provides both didactic and experiential learning experiences relative to communication skills, counseling and therapy skills, and termination and practice evaluation strategies.

SOWK 554***Clinical Aspects of Human Sexuality (3)***

From the time of conception, there are forces continuously affecting our sexuality. This course has been developed to assist participants to develop skills to work with people as sexual beings. Self assessment by each person with regard to his or her own values should occur throughout the course. Sexual functioning and a variety of conditions affecting sexual functioning will be explored. It is intended that participants will leave this course with the basic knowledge, attitudes and skills to deal with sexual questions and concerns of clients. Course content will include: (1) basic issues in sexuality; (2) sexuality throughout the lifespan; (3) anatomy and physiology of the sexual response cycle; (4) sexual alternatives; (5) sexuality illness and disability; (6) sexual dysfunctions; and (7) treatment issues.

SOWK 555***Conflict Management (3)***

An analysis of the dynamics of conflict resolution from one-on-one communication to mediation and negotiation to global/international efforts toward peace.

SOWK 556***Crisis Intervention (3)***

All persons working in the field of human services and allied fields will work with clients and colleagues who have dealt with stress, stress which may push the individual or family into a crisis state. This course teaches some of the key dynamics of the person in crisis. A significant part of the course focuses on intervention including theory underlying practice. The course covers the following: crisis theory, crisis intervention strategies, prevention programs. Special attention will be paid to child abuse, suicide, HIV/AIDS, family violence, worker stress, burn out and prevention.

SOWK 557***Biopsychosocial Bases for Human Development (4)***

This course focuses primarily on the biosocial aspects of human development. Biosocial development is defined as including heredity, physical traits and diseases, neurological functioning and disorders, and sexual functioning and the reciprocal relationships between biosocial development and social contexts—the meanings of gender, sexual orientation and disability in society. The course is designed to help students gain familiarity with human physical systems, to identify their functions and to understand the implications of dysfunction. The course will also focus on disability issues and the effects of living with a disability. Students will be able to critically analyze the biopsychosocial and cultural implications of physical functioning in people's everyday lives and apply this understanding to professional practice.

SOWK 558***Gay/Lesbian Issues for the Social Work Practitioner (3)***

This course is designed to assist professionals who may encounter lesbians and gay men as clients. Students in the course will be encouraged to deal openly with their feelings and attitudes about homosexuality. Class members will be allowed to explore their motivations and resistance to working with this client group and those hostile to them, and will be helped, where possible, to resolve blocks to effective social provision. The course is designed to educate and to suggest counseling approaches that might be most helpful to gays and lesbians, and to explore available support systems. Issues that will receive special attention include health, problems of rural lesbians and gay men, the aging, child welfare, homophobia, the "coming out" process and societal attitudes toward gays and lesbians.

SOWK 559***School Social Work and School Law (3)***

Prerequisite: Baccalaureate degree.

This course will review Federal and State legislation as well as local policies which affect the role of the social worker in the public school. We will review how the school system functions as a part of our total society. The course will describe how social work knowledge, skills and values provide an ecological approach to preventative, crisis, and remedial care for school children and their families.

SOWK 560***Topics of Social Work Practice (1-6)***

Selected and variable content around topics related to social work and social welfare.

SOWK 562***Processes of Social Work Practice (1-5)***

Selected and variable content on processes employed in social work practice.

SOWK 563***Brief Interventions (4)***

Prerequisites: 525, 530, 581 and 4 credits of 695; or 560 Advanced Standing Seminar.

This course is designed to help students to integrate a cognitive and practical understanding of brief intervention strategies within their practice with individuals, couples and families. Content areas include an overview of the theoretical base of the solution-focused model of intervention, the professional debate regarding the use of the short-term model and the potential benefits of its application in the health-care reform environment.

SOWK 564***Issues of Social Work Practice (1-6)***

Selected and variable content dealing with social work and social welfare issues.

SOWK 565***Family-Centered Practice with Populations At-Risk (4)***

Prerequisites: 525, 530, 581 and 4 credits of 695; or 560 Advanced Standing Seminar.

Provides students with advanced direct practice knowledge and skills for work with populations at-risk in the context of families. Students are introduced to strategies for family-centered practice that are derived from ecological systems, developmental, behavioral, intergenerational and cognitive practice traditions. Core concepts emphasized in the course include respect and support of family decisions, collaborative problem-solving, a strengths orientation, flexibility of approach, family empowerment and support for families in their caregiving role.

SOWK 566***Supervision (4)***

Prerequisites: 525, 530, 581 and 4 credits of 695; or 560 Advanced Standing Seminar.

This course develops knowledge and skills required in supervisory practice. Supervisors play a key role in the provision of services to populations at-risk. They are responsible for assuring that effective, culturally responsive and empowerment-based service delivery is supported at the organizational level and provided by staff to clients. Students in the course gain knowledge of the situational leadership and supervisory development models, and the administrative skills for planning, executing, monitoring and evaluating programs and activities of staff.

SOWK 567**Practice with Persons with Persistent and Pervasive Service Needs (4)**

Prerequisites: 525, 530, 581 and 4 credits of 695; or 560 Advanced Standing Seminar.

This course provides students with advanced direct practice knowledge and skills for work with individuals and families with longer-term service needs across a variety of social work settings. Students examine specific strategies and techniques for direct practice provided by the ecological systems, behavioral and cognitive practice traditions and learn to use several assessment paradigms as they apply to service consumers with persistent and pervasive service needs. Students are required to apply appropriate assessment procedures and plan effective intervention strategies and techniques under supervision in class and through practicum-based assignments.

SOWK 568**Proseminars in Social Welfare Policies and Programs (4)**

Prerequisites: 525, 530, 581 and 4 credits of 695; or 560 Advanced Standing Seminar.

Advanced seminars on current policy and program developments in contemporary areas of social welfare which impact populations at-risk, including health care, aging, mental health and services to children and families. Seminars provide research and theory pertaining to social problems and institutional responses. Three domains of institutional response—legal, professional and program—receive attention.

SOWK 570**Theories of Family Counseling and Therapy (3)**

An introduction to theory, perspectives, procedures and historical development of family counseling and therapy. (Cross-listed CEDP 570)

SOWK 571**Family Counseling and Therapy Intervention Techniques (3)**

Laboratory in family assessment and change techniques. Students assess simulated or actual family situations, plan intervention strategies and apply family therapy techniques in the laboratory setting. (Cross-listed CEDP 571)

SOWK 575**Advanced Social Work Practice with Children and Adolescents (4)**

OFFERED ONCE OR TWICE YEARLY, DEPENDING UPON STUDENT INTEREST

Prerequisites: SOWK 532, 533 or consent of the instructor. Advanced practice strategies and techniques for current problems facing children, youth and families. Students will apply assessment paradigms to case situations and design appropriate intervention strategies based on contemporary practice theory. Direct practice knowledge and skills will be evaluated through experiential and written assignments.

SOWK 576**A Systems Approach to Substance Abuse (3)**

Application of the ecological-systems perspective to the substance abuse field. Emphasis on an examination of the reciprocal interaction between the individual substance abuser and the various systems that impact addiction, treatment and recovery. Systems will include biological/genetic, family, community, economic and cosmic/spiritual frameworks, as well as special population issues such as gender, race/ethnicity, age groups and dual diagnoses. The content of the course will draw heavily on current research in the substance abuse field. The process will emphasize critical thinking and analysis of the current controversies in the substance abuse field.

SOWK 577**Clinical Social Work Assessment (3)**

Examination of the assessment skills required for professional social work practice in mental health and other professional settings. Application of mental health diagnosis and clinical assessment techniques to case situations.

SOWK 578**Personal and Professional Issues in the HIV/AIDS Epidemic (4)**

It has been twelve years since the first medical reports were published identifying patterns of extraordinary illnesses that we now know as HIV/AIDS. The epidemic is world-wide. We will explore its brief history; analyze social changes precipitated; study the biology of human immunity; consider the development and delivery of social services; critique models of prevention education; read case studies of case management of people with AIDS; develop skills in comprehensive psychosocial assessment; examine the implications of HIV as a chronic disease; and reflect on our own feelings, values and attitudes which HIV/AIDS has challenged.

SOWK 579**Gender and Sexual Assault (4)**

This course addresses contemporary concerns about sexual assault primarily, but not exclusively against women. Theories about the sociocultural context of gender socialization and other explanatory theories will provide a framework for understanding personal and societal responses to sexual violence. The course will survey all forms of sexual violence and discuss dynamics of trauma and recovery. Treatment approaches will be discussed as well as the importance of prevention and change strategies on both the personal and the societal level.

SOWK 581, 582, 583, 584**Integrative Seminar I, II, III, and IV (1 each)**

Graded Pass/No Credit.

Prerequisites for 581: 531, 532, 533, 540, 541, 550, 553, 557. Prerequisites for 582: 581 and 4 credits of 695; or 560 Advanced Standing Seminar.

This seminar is the forum in which students share, compare and analyze the field experience and participate in learning activities focused on application of curriculum content to practice. It is designed to assist in the integration process, to provide support for students in discussion of practice issues and learning experiences and to engage students in utilizing course content to enhance their professional practice.

SOWK 596**Experimental Course (1-5)****SOWK 597****Workshops (1-5)**

Note: Workshop credit cannot be used to fulfill graduate degree requirements.

SOWK 599**Independent Study (1-5)**

Students take intensive and independent study of some special area in social work or social welfare.

SOWK 600**Thesis (1-15)**

Elective course.

SOWK 601**Research Project (1-15)**

Individually supervised research work.

SOWK 602**Advanced Generalist Practice I (4)**

Prerequisites: SOWK 553 or Advanced Standing.

This course examines advanced generalist practice with individuals and families. Related theories, concepts and models are explored to help students develop skills for effective practice. Particular attention is paid to the relationship between individual problems and larger macro issues as students learn to move from "cause to cause" in assessment and intervention with individuals and families. Ethical values related to social justice and human service delivery are explored. Theoretical models that embrace a strengths perspective and reflect best practice will be examined.

SOWK 603**Advanced Generalist Practice II (4)**

Prerequisites: SOWK 530 or Advanced Standing.

This required course in advanced generalist practice focuses on leadership and change in human service organizations to advance social justice and social inclusion. The course emphasizes leadership skills that focus on participatory capacity building, thus helping people gain power in making decisions about changing conditions in organizations and communities. Strategies to enhance strengths and resources in organizations and communities will be explored, including models of prevention, agency advocacy, resource development and economic justice approaches in communities.

SOWK 604**Planning for Community-Based Projects (4)**

Prerequisites: SOWK 525 or Advanced Standing.

This course helps students plan and design an applied research project that addresses a policy- or practice-related question that is relevant to the practice community or agency in which the student serves as an intern. Students will learn how to conceptualize community-based projects that enhance service delivery. This process includes proposal development and literature review. The project will be implemented in the subsequent research course (SOWK 526).

SOWK 695**Practicum (2-4)**

Graded Pass/No Credit.

Prerequisites: 531, 532, 533, 540, 541, 550, 553, 557; or 560 Advanced Standing Seminar.

(A total of 16 credits distributed over 4 quarters in the full-time program and over 4 or 5 quarters in the part-time programs).

Students in practicum utilize the agency setting for integration of course work knowledge and for the development of professional practice skills. The placement agency is the laboratory for the application of classroom learning. Practicum is a supervised experience which allows students to learn to use supervision as a professional development process and to receive feedback concerning their professional functioning.

SOCIOLOGY

College of Social and Behavioral Sciences

Dale Lindekugel, Chair

314 Patterson Hall

(509) 359-2335

BA

Minor

Faculty: S. Chabot, P. Elkind, T. Hechtman, P. Lam, D. Lindekugel, S. Wright

UNDERGRADUATE PROGRAMS

Sociology may be defined as the scientific study of human society and the social interactions which emerge among people. Sociology seeks to develop a body of interrelated scientific propositions or generalizations that explain social behavior in holistic terms. Its basic goal is to understand how human beings fit their activities together into a system of stable (and sometimes unstable) social arrangements. As such, sociology focuses on the groups, organizations, institutions and communities which make up the larger society. Sociology seeks to place society in the international setting of today's changing world. More importantly, it helps us to understand the relationships among these various social units, and the implications of these relationships for order and change.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)

Sociology Major (74–84 credits)

Within the bachelor of arts degree, the Department of Sociology and Criminal Justice offers a program in sociology, blending career education and the liberal arts. The education goal is not to train students; neither is the goal to educate students solely in sociology. Rather, the goal is to use the discipline as a way to critically synthesize what is learned in a liberal arts program. The program envisaged here provides a general background which will enable the student to move into a variety of career paths, while retaining the opportunity for particular specializations within sociology and thematically related disciplines.

The Department of Sociology and Criminal Justice believes that a university must educate broadly to enrich both career and life. Accordingly, students in the Sociology Program will complete social science foundation courses, as well as core disciplinary courses. In order to assist students as they move into a variety of career paths, students will also complete an interdisciplinary certificate or course work in an approved area of specialization.

Note: Two years of a single high school foreign language or one year of a single foreign language at college level is required for this major.

Required Courses

Introduction

SOCI 101 Introduction to Sociology (5)
or SOCI 361 General Sociology (5)

Social and Behavioral Science Foundation Courses

CSBS 310 Foundations of Social and Behavioral Science Theory (5)
or SOCI 331 Classical Sociological Theory (5)
CSBS 320 Introductory Statistics for the Social Sciences (5)
CSBS 330 Integrated Social Science Methods (5)
or SOCI 357 A Methodology for Social Research (5)

Disciplinary Core

SOCI 351 Social Stratification (5)
SOCI 363 Sociology of Deviance (5)
SOCI 481 Social Psychology (5)

One course from Institutions/Organizations, student to choose:

SOCI 350 American Community Structure (5)
or SOCI 362 Sociology of Politics (5)
or SOCI 370 Sociology of the Family (5)
or SOCI 472 Sociology of Religion (5)
or SOCI 479 Medical Sociology (5)
or SOCI 488 Sociology of Education (5)

One course from Social Change, student to choose:

SOCI 368 Populations, Reproduction and Resources (5)
or SOCI 442 Environmental Sociology (5)
or SOCI 470 Social Change (4)
or SOCI 482 Identity and Power (5)
or SOCI 489 Doing Sociology (5)

Discipline-Based Capstone/Thesis

SOCI 490 Senior Capstone: Sociological Practice (5)
or SOCI 491 Senior Thesis (5)

Interdisciplinary Certification or Specialization 20–29 credits

Students will complete an approved Interdisciplinary Certificate or Specialization under the direction of an advisor. Students, working with their advisor, may craft their own specialization track with the approval of the department chair.

Required introduction credits	5 credits
Required social and behavioral science foundation credits	15 credits
Required disciplinary core credits	29–30 credits
Required interdisciplinary certificate or specialization credits	20–29 credits
Required discipline-based capstone/thesis credits	5 credits
Minimum total credits for above major	74 credits

Note: SOCI 101 recommended for lower-division (freshman/sophomore) students and SOCI 361 recommended for upper-division (junior/senior) students. Credit cannot be earned for both 101 and 361.

Minor

Sociology Minor (15 credits)

Required Courses

SOCI 101 Introduction to Sociology (5)
or SOCI 361 General Sociology (5)

Electives

Select from upper-division sociology courses

Required program credits	5 credits
Elective credits	10 credits
Total credits for above minor	15 credits

Note: SOCI 101 recommended for lower-division (freshman/sophomore) students and SOCI 361 recommended for upper-division (junior/senior) students.

Sociology Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

SOCI 101

Introduction to Sociology (5)

FALL/WINTER/SPRING

[satisfies the GEGR for social sciences, list 2, anthropology, geography, psychology, and sociology.]

Explores the concepts, principles and theories of sociology. Sociology seeks to develop a body of interrelated scientific propositions or generalizations that explain social behavior in non-psychological terms. Its basic goal is to understand how human beings fit their activities together into a system of stable (and sometimes unstable) social arrangements.

SOCI 263

Social Problems (5)

FALL/WINTER/SPRING

[satisfies international studies university graduation requirement.]

An overview of major perspectives on social problems and a demonstration of their relevance for contemporary issues. Topics may include poverty, racism, sexism, aging, alienation, colonialism and the Third World, human ecology, crime, deviance and the law.

SOCI 290

Introduction to Student Services (2)

FALL

Graded Pass/No Credit.

Prerequisite: Must be admitted as an ambassador.

A history of the University and campus. An overview of the University curricula and range of student services with emphasis on the development of leadership and communication skills. Lab.

SOCI 299

Special Studies and Programs (1-5)

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the instructor and the department chair.

SOCI 300

Organizational Change (5)

Improving the effectiveness of agencies and voluntary associations through programs of planned change.

SOCI 301

Crime and Society (5)

FALL

Prerequisite: SOCI 101.

Provides an introduction to the field of criminology, including descriptions and explanations of crime and efforts to control it. Topics include theories of crime causation, measurement of crime, criminal law, the criminal justice system; and street, victimless, white collar, political and corporate crime.

SOCI 320

Race and Ethnic Relations: Global Perspectives (5)

FALL/WINTER/SPRING/SUMMER

[satisfies cultural and gender diversity university graduation requirement.]

Prerequisite: SOCI 101 or 361.

A socio-structural analysis of the bases of oppression of minority groups in society. The course deals with economic, political and cultural factors involved in the emergence and perpetuation of racism/ethnicism in the United States and around the world.

SOCI 321

Sex and Gender (5)

FALL/SPRING

[satisfies cultural and gender diversity university graduation requirement.]

Prerequisite: SOCI 101 or 361.

A sociological analysis of differences and similarities between women and men. Examines the impact of gender ideologies of individual identity and social and political arrangements (especially instances of stratification and inequality). Also considers how changes in the gendered nature of society (e.g., socioeconomic organization, socialization, sexuality) occur. (Cross-listed WMST 321)

SOCI 331

Classical Sociological Theory (5)

FALL/SPRING

Prerequisite: SOCI 101.

Establishes the nature and requirements of sociological explanation. Identifies main currents of preclassical social thought. Explains, discusses and evaluates classical systems of sociological theory.

SOCI 350

American Community Structure (5)

WINTER

Prerequisite: SOCI 101.

Comparisons and contrasts of rural and urban environments; interaction, independence and dominance of community structures; changing models and styles of living. Opportunities for individual research.

SOCI 351

Social Stratification (5)

SPRING

Prerequisite: SOCI 101.

Course investigates class structures, stratification systems and social mobility in contemporary American society.

SOCI 356

Introduction To Social Statistics (5)

FALL/WINTER/SPRING/SUMMER

Prerequisite: SOCI 101.

A survey of statistical methods and techniques used in social science research.

SOCI 357

A Methodology for Social Research (5)

FALL/SPRING

Prerequisite: SOCI 101.

This course seeks to realize two complementary objectives: First, to acquaint you with the origins of sociological inquiry and the variety of styles and logical systems which shape such research; secondly, to demonstrate the nature of the research techniques which follow.

SOCI 361

General Sociology (5)

WINTER/SUMMER

Not open to lower division students without departmental permission. Credit may not be counted in both SOCI 101 and 361.

A course in principles of sociology intended primarily for upper division, fifth-year and graduate students.

SOCI 362

Sociology of Politics (5)

FALL/WINTER/SPRING/SUMMER

Prerequisite: SOCI 101.

Analyzes causes and consequences of the distribution of power within and between societies and with the social and political conflicts which lead to changes in the distribution of power.

SOCI 363

Sociology of Deviance (5)

FALL

Prerequisite: SOCI 101.

Examines the conditions under which deviance as a social reality emerges, develops and changes over time. Typical concerns are the process of social typing; official responses to deviances; managing the deviant identity; and the role of bureaucracies and social class in promoting deviance as a political construction.

SOCI 368

Population, Reproduction and Resources (5)

FALL

Prerequisite: SOCI 101.

Major qualitative and quantitative problems and trends in human population and consideration of social factors which influence their composition. From a global perspective, this course also addresses the issues of population(s)—resource balance or imbalance.

SOCI 370

Sociology of the Family (5)

WINTER/SUMMER

Prerequisite: SOCI 101.

A consideration of family structures, cultures, and interactions, changing family patterns and contemporary family debates. (Cross-listed WMST 370)

SOCI 371

African American Family (5)

The African American family as a social system influenced by institutions of the larger American society. (Cross-listed AAST 320)

SOCI 377

Alternatives to Domestic Violence (2)

FALL/WINTER/SPRING/SUMMER

Analyzes theories relevant to issues of domestic violence in their historical, legal and cultural contexts. Therapeutic interventions are explored. (Cross-listed WMST 377)

SOCI 399

Special Studies and Programs (1-5)

FALL/WINTER/SPRING/SUMMER

Prerequisites: Permission of the instructor and the department chair.

SOCI 441

Culture, Society, and Personality (5)

Prerequisites: At least five hours each in sociology, anthropology, and psychology, SOCI 101.

Synthesis of research, theory and methodology concerning basic behavioral and interactional concepts of culture, society and personality. (Cross-listed ANTH 441)

SOCI 442**Environmental Sociology (5)**

WINTER

Prerequisites: Junior standing and permission of the instructor.

Environmental Sociology is the investigation of the relationships between the social organization/structure of human societies and their environment, both natural and constructed. It considers the trade-offs between production and conversation. The environmental movement is explored in this course.

SOCI 443**Social Impact Assessment (5)**

WINTER

Prerequisites: Junior standing and permission of the instructor.

Social Impact Assessment is a hands-on applied methods course. Employing the study of environmental sociology, this course provides students with experience assessing the social consequence of technological changes.

SOCI 452**Juvenile Delinquency (5)**

SUMMER

Prerequisite: SOCI 101 (freshman/sophomore) or 361 (junior/senior).

Provides an in-depth examination of the phenomenon of juvenile delinquency. Included in the examination are analyses of types of delinquency, measurement of delinquency, theories of delinquency causation and the juvenile justice system. Includes field trips and class visitations from professionals who work with juveniles.

SOCI 455**Criminology (5)**

SPRING

Prerequisite: SOCI 101 (freshman/sophomore) or 361 (junior/senior).

Provides an in-depth inquiry into crime and criminalization. Course places particular emphasis on the social context within which these phenomena occur.

SOCI 458**Sociology of Institutional Corrections (5)**

WINTER

Prerequisite: SOCI 101.

Provides an inquiry into institutional corrections for both adults and juveniles. Topics include historical development of correctional institutions, programs and practices in correctional institutions, the corrections officer, inmate subculture and prisonization. Includes field trips to area correctional facilities.

SOCI 459**Sociology of Community Corrections (5)**

WINTER

Prerequisite: SOCI 101.

Provides a sociological examination of correctional programs and practices in non-institutional settings for both adults and juveniles. Topics include program alternatives to institutional commitment, reintegration of offenders after institutionalization, the community corrections officer and the process of working with offenders. Field trips to area agencies are also included.

SOCI 463**Complex Organizations (5)**

FALL

Prerequisite: SOCI 101 (freshman/sophomore) or 361 (junior/senior) or permission of the instructor.

Analyzes large, complex organizations as a social system. Includes theory related to the emergence and structure of bureaucracy, authority and control; organizational conflict and change; the individual and the organization; and the organization and its environment.

SOCI 465**Contemporary Sociological Theory (5)**

SPRING

Prerequisite: SOCI 101.

Establishes the nature and requirements of sociological explanation. Identifies the classical repertoire of contemporary sociological theories. Explains, discusses and evaluates contemporary systems of sociological theories.

SOCI 470**Social Change (4)**

SPRING/SUMMER

Prerequisite: SOCI 101.

Analyzes theories of social and cultural change; processes, characteristics and conditions of change in large social systems; differential rate of change; the impact of change on man and his institutions.

SOCI 471**Sociology of Work (5)**

SPRING

Prerequisite: SOCI 101 (freshman/sophomore) or 361 (junior/senior).

A sociology of knowledge approach to work that examines ways in which much of the conflict that characterizes the world of work arises from differing realities that individuals and groups construct. Also examines the major location of work, organizations and the way work can be organized as a result of images held and the impact this organization has on the construction of reality.

SOCI 472**Sociology of Religion (5)**

Prerequisites: SOCI 101 or advanced standing in department program.

Investigates religious institutions in society in terms of their structure, function and change.

SOCI 479**Medical Sociology (5)**

FALL

Prerequisite: SOCI 101.

The social impact of disease and illness in human groups, including the definition and measurement of disease, response to illness, doctor-patient interaction, role of medical and paramedical professionals and a study of medical care institutions and systems.

SOCI 481**Social Psychology (5)**

WINTER

Prerequisite: SOCI 101.

An analytic approach to the social-psychological consequences of social structure. Focal concerns may include alienation, anti-psychiatry, personality and social class, role behavior and socialization.

SOCI 482**Identity and Power (5)**

Prerequisite: SOCI 101.

This course is about the relationship between power and identity. Identity can be defined as presentations of the self that facilitate human social interaction and thereby situate individuals in social structures. We will use the concept of "power" to explore how identities are central to various forms of social inequality.

SOCI 483**Sociology of Children (5)**

Prerequisite: SOCI 101 or 361.

Addresses children and childhood from the preschool years through adolescence. Examines historical shifts in the meanings of childhood and the methods used for studying the worlds of children. Explores the theoretical approaches to child development and socialization and how these can be used to understand children's experiences in different cultural settings and situations. (Cross-listed WMST 483)

SOCI 484**Sociology of Aging (5)**

SPRING

Prerequisite: SOCI 101 (freshmen/sophomore) or 361 (junior/senior).

Analyze demographic and institutional patterns, social roles, policies and various perspectives on aging in the United States and globally.

SOCI 486**Contemporary World Systems (5)**

WINTER

[satisfies international studies university graduation requirement.]

Prerequisite: Choice of either SOCI 263 or INST 200.

Course examines contemporary world systems; integration, conflict and change.

SOCI 488**Sociology of Education (5)**

SPRING

Prerequisite: SOCI 101 (freshman/sophomore) or 361 (junior/senior).

A sociological analysis of the controversies surrounding the limits and possibilities of schooling in society. It examines, in a historic and comparative manner, the issues of educational expansions, equality of opportunity, unequal achievement and school quality, the school's role in reinforcing inequality, what schools teach, and the problems of order, control and motivation. At all times, the material reviewed is set in a theoretical context.

SOCI 489**Doing Sociology (5)**

Prerequisites: CSBS 310 or SOCI 331 or SOCI 465 and CSBS 330 or SOCI 357.

This class is designed for advanced sociology majors to develop an understanding of the process of doing sociological research in preparation for the senior capstone or to undertake a senior research thesis if so desired. Our goal is integrate theory and methods, thus learning to "do" sociology holistically.

SOCI 490**Senior Capstone: Sociological Practice (5)**

[satisfies senior capstone university graduation requirement.]

Prerequisite: SOCI 489 or approval of instructor.

This course is designed to move from a basic understanding of sociological research and practice to more advanced applications in the field. Working as a team and addressing a specific social problem or issue, students will define the problem, carry out research, craft and/or evaluate strategies and present reports in appropriate formats.

SOCI 491**Senior Thesis (5)**

[satisfies senior capstone university graduation requirement.]

Prerequisite: SOCI 489.

The thesis represents a summative assessment of the student's academic competence in his or her field of study. Students will complete and defend an original research project in the field of sociology.

SOCI 495**Internship (1-5)**

FALL/WINTER/SPRING/SUMMER

Supervised field experience aligned with the student's academic program.

SOCI 497**Workshops, Short Courses,****Conferences (1-5)**

FALL/WINTER/SPRING/SUMMER

Special short-duration programs of contemporary significance in societal-cultural behavior areas.

The range and scope of topics is essentially interdisciplinary and students from all academic areas are eligible to participate.

SOCI 498**Departmental Seminar (1-5)**

FALL/SPRING

May be repeated once for credit.

Examination of current research topics in sociology. The specific content of the seminar varies according to recent developments in sociology and according to the interests of the instructor.

SOCI 499**Directed Study (1-5)**

FALL/WINTER/SPRING/SUMMER

Open to senior and graduate students from any department. Independent and/or group study in selected areas of sociology.

SPANISH

See MODERN LANGUAGES AND LITERATURES AND PHILOSOPHY.

TECHNOLOGY

See ENGINEERING and DESIGN.

THEATRE

College of Arts and Letters

209 University Theatre

(509) 359-2459

BA**Minors**

Faculty: G. Engene, E. Evans, D. McLaughlin

UNDERGRADUATE PROGRAMS

The Theatre program offers: The Bachelor of Arts in Theatre, for those who wish to enter the profession or for those who wish to prepare for graduate school. A minor is available. This program is designed to give the student a thorough preparation in all aspects of theatre, with the necessary knowledge and skills and to support any graduate school specialty the major may choose to pursue. The range of elective courses permits the major a small amount of specialization within the curriculum, but the primary intention of the curriculum is to achieve a broad fundamental preparation in theatre, with the belief that specialization is the proper pursuit of graduate study. In addition to classroom studies, the program offers valuable "hands-on" experience in virtually every phase of theatrical production, whether it be acting, directing, singing, costuming or a myriad of technical and design skills. Each major is expected and required to be available to work on every production in the department's season.

Each University season is chosen for balance and variety. Productions range from classical to modern in plays and include dance concerts and musical comedy. Plays are produced in the University Theatre, a modern, well-equipped plant, opened in 1972.

The Theatre is located in the University's College of Fine Arts Complex in close proximity to the Music, Art and Electronic Media and Filmic Arts departments. Students are encouraged to supplement their theatre studies with exploration in other fields in order to better understand theatre as an art form, a field of study in the liberal arts, and as an area of human activity and endeavor with a long history that affects us every day.

Graduates with bachelor of arts degrees are traditionally employed in a variety of careers. Graduates of Eastern's Theatre Program have become professional actors, dancers, arts administrators and theatre technicians in scenery, lighting, properties and sound design as well as working in public relations, sales, management and OTHER careers which require daily person-to-person contact and effective self-presentation. Recent Eastern graduates have also been successful in being accepted in graduate programs across the country in theatre and other related fields. Many are also engaged in teaching at the elementary, middle and high school levels.

All theatre faculty participate in and are available for advising with classes and registration.

General Admissions Requirements for Theatre: High school graduates and community college transfer students who want to major in theatre should possess high verbal aptitude and effective skills in reading and writing. Moreover, theatre majors should possess an attitude of teamwork, strong self-discipline and a commitment to hard work for long hours. Previous course work and participation in music, dance, acting, singing and back stage production is highly desirable, but not mandatory.

Students wishing to major in theatre should declare this major early in their university career. Entering freshman or transfer students should contact the Theatre Program chair for the assignment of an academic advisor immediately upon arrival at the campus.

Grade Requirements for Graduation: Theatre majors must earn a minimum grade of 2.5 in each course counted in the major. Failure to earn at least a 2.5 in any course in the major will necessitate repeating the course. If the course is a prerequisite for advanced course work, it must be repeated successfully before advanced work may be taken.

Theatre Majors must earn a final cumulative GPA of 3.0 in the major for graduation.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)

Theatre Major (81 credits)

This curriculum features a core of what the faculty believes is a body of knowledge each theatre student should possess. It has two additional requirements: (1) a senior project or comprehensive examination and (2) the requirement that each graduating major has completed at least 12 credits in production balanced between acting in plays and working crews.

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses

THTR 110 Movement and Voice (5)
 THTR 150 Fundamentals of Music/Dance Theatre (3)
 THTR/HUMN 202 Theatre in the Humanities (5)
 THTR 203 Theatre Graphics (5)
 THTR 210 Fundamentals of Acting (3)
 THTR 226 Stage Make-Up (1)
 THTR/HUMN 303 Survey of Theatre History (5)
 THTR 319 Rehearsal and Performance (6)
 THTR 330 Stage Costume (3)
 THTR 336 Stage Lighting (5)
 THTR 340 Scene Construction (5)
 THTR 419 Rehearsal and Performance (6)
 THTR 421 Play Directing (4)
 THTR 491 Senior Thesis Project (5)
 ENGL 350 Shakespeare (5)

Electives Select from the following

THTR 250 Music and Dance Theatre II (3)
 THTR 295 University Theatre Internship (1)

THTR 312 Special Skills for Actors (4)
 THTR 326 Creative Dramatics (3)
 THTR 338 Concepts of Scene Design (2)
 THTR 399 Special Studies (1–5)
 THTR 409 Foreign Theatre Tour (5)
 THTR 410 Period Acting Technique (3)
 THTR 412 Acting: The Profession (3)
 THTR 422 Production Management (3)
 THTR 425 Professional Stage Management (3)
 THTR 438 Scene Design (3)
 THTR 445 Scene Painting (2)
 THTR 495 Field Experience in Theatre (1–15)
 THTR 499 Directed Study (1–5)

Required program credits

Elective credits

Total credits for above major

66 credits

15 credits

81 credits

Minors

Theatre Minor (28 credits)

Required Courses

THTR 110 Movement and Voice (5)
 THTR 150 Fundamentals of Music/Dance Theatre (3)
 THTR/HUMN 202 Theatre in the Humanities (5)
 THTR 203 Theatre Graphics (5)
 THTR 226 Stage Make-up (1)
 THTR 319 Rehearsal and Performance (2)
 THTR 321 Play Production: Directing (3)
 THTR 330 Stage Costume (3)
 THTR 419 Rehearsal and Performance (1)

Total credits for above minor

28 credits

Theatre/Elementary or Secondary Minor (44–48 credits)

This minor satisfies the endorsement for Preschool to grade 12.

Required Courses

THTR 110 Movement and Voice (5)
 THTR 150 Fundamentals of Music/Dance Theatre (3)
 THTR/HUMN 202 Theatre in the Humanities (5)
 THTR 203 Theatre Graphics (5)
 THTR 226 Stage Make-up (1)
 THTR 319 Rehearsal and Performance (3–5)
 THTR 419 Rehearsal and Performance (3–5)
 THTR 321 Play Production (3)
 THTR 326 Creative Dramatics (3)
 THTR 330 Stage Costume (3)
 THTR 336 Stage Lighting (5)
 THTR 340 Scene Construction (5)

Minimum credits for above minor

44 credits

Theater Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

THTR 110

Movement and Voice (5)

FALL

Physical and vocal exercise and practice to acquaint the beginning actor with the necessary techniques and discipline for acting.

THTR 150

Fundamentals of Music/Dance Theatre (3)

An introduction to skills necessary to perform musical theatre roles. Fundamentals of singing and basic dance techniques are emphasized.

THTR 202

Theatre in the Humanities (5)

FALL/WINTER/SPRING

[satisfies the GECR for humanities and fine arts, list 2, fine arts.]

Elements of theatre, dramatic structure, types and styles; tradition, values and ideas of the theatre and humanity's relationship to it. (Cross-listed HUMN 202)

THTR 203

Theatre Graphics (5)

FALL

The first in a series of courses in technical theatre. Introduction to drafting, blueprint reading, sketching, perspective drawing, rendering in watercolor and model making for theatrical settings, lighting and properties.

THTR 210

Fundamentals of Acting (3)

WINTER

Prerequisite: THTR 110 or permission of the instructor. Communication through the visual stimuli; projects in mime and beginning character interpretation on the stage.

THTR 226

Stage Make-Up (1)

WINTER-EVEN YEARS

Lecture and laboratory where the student may learn basic and advanced techniques and principles of straight and character make-up.

THTR 250

Music and Dance Theatre II (3)

A continuation of 150. This course emphasizes audition techniques by combining singing and dancing in musical comedy roles.

THTR 295

University Theatre Internship (1)

FALL/WINTER/SPRING/SUMMER

Internship experience at University Theatre in the scene shop, costume shop or publicity office.

THTR 303

Survey of Theatre History (5)

WINTER

Prerequisite: THTR 202 or upper class standing. Surveys the major periods of Western theatre from Greek to modern trends. (Cross-listed HUMN 303)

THTR 310

Advanced Acting (3)

SPRING

Prerequisite: THTR 210.

Acting techniques with emphasis on characterization and acting styles using scenes from various plays.

THTR 312**Special Skills for Actors (4)**

WINTER

Prerequisite: THTR 110.

A practical course in developing special skills for actors, i.e., juggling, dialects, theatrical swordplay.

THTR 319**Rehearsal and Performance (1-5)**

FALL/WINTER/SPRING/SUMMER

Course is repeatable for credit.

Prerequisite: Permission of the instructor.

Performance on stage in a University Theatre production. Amount of credit is determined by role played.

THTR 321**Play Production (3)**

FALL-ODD YEARS

Techniques of producing a play for public performance. Methods of selecting scripts, casting, rehearsal procedure and performance responsibilities. Elements of the business of production, including contractual policies and limitations.

THTR 326**Creative Dramatics (3)**

FALL-ODD YEARS

Prerequisite: Permission of the instructor.

Aims, objectives and role of creative dramatics in education; includes participation with children.

THTR 330**Stage Costume (3)**

FALL-EVEN YEARS

Principles of costumes for the stage. The nature and function of this area of production including procedures, policies, sources plus historical and professional data.

THTR 336**Stage Lighting (5)**

WINTER

Prerequisite: THTR 203 or consent of instructor.

A beginning course in basic electricity and lighting for the theatre. Introduction to types of instruments and lamps, their uses and capabilities. Color media, circuitry and patching for manual and computer boards. Computation of electrical loads; safety measures. Three lectures and two laboratory sessions per week.

THTR 337**Stage Lighting Design (3)**

Prerequisite: THTR 336.

An intermediate course concerned with the methodology of physically designing lights for the stage.

THTR 338**Concepts of Scene Design (2)**

A beginning course in the styles, history and examples of theatrical scenic design.

THTR 340**Scene Construction (5)**

FALL

Prerequisite: THTR 203 or consent of instructor.

Introduction to style and types of scenery; materials; tools; stage mechanics and construction. Three lecture hours and two two-hour laboratory sessions per week.

THTR 350**Music/Dance Theatre III (3)**

Prerequisite: THTR 250.

A continuation of THTR 250. Emphasis is placed on characterization and development of an individual performance style in musical theatre roles.

THTR 399**Special Studies (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: Permission of the instructor.

Subjects studied vary according to faculty and student interests.

THTR 409**Foreign Theatre Tour (5)**

To be offered during one quarter in alternating years.

Prerequisite: Written permission of the instructor.

Theatre study in a foreign country. Students tour one or more countries and either perform a play and/or see plays produced in that country. Social, economic, political and religious customs of the host country are studied. Demonstrations, lectures and/or seminars by foreign theatre professionals are offered as companion studies to productions viewed by students.

THTR 410**Period Acting Technique (3)**

SPRING-EVEN YEARS

Prerequisites: THTR 110, 210, and 310.

Discussion and practice of techniques for performance in plays from the major periods of Western theatre.

THTR 412**Acting: the Profession (3)**

SPRING-ODD YEARS

Prerequisite: THTR 210.

An introduction to the "business" of the acting profession: agents, unions, contracts and resumes. Special segments on auditioning skills and acting for the camera.

THTR 419**Rehearsal and Performance (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: Permission of the instructor.

Practical experience of working backstage during actual stage productions. Amount of credit to be determined by work done on the production. Course is repeatable for credit.

THTR 421**Play Directing (4)**

WINTER-EVEN YEARS

Prerequisite: THTR 321 or its equivalent or permission of the instructor.

Theory, technique and practice of play direction. Each student must cast, organize rehearsals and present either a one act play or a substantial scene from a full-length play.

THTR 422**Production Management (3)**

Prerequisite: Permission of the instructor.

Management of theatre productions from pre-planning through auditions to the closing night of performance and strike.

THTR 425**Professional Stage Management (3)**

A study into the preshow production and post-show requirements, supervised by a stage manager. Includes work description of related department heads and the interaction therein, both in academic and professional theatre.

THTR 431**History of Costume (5)**

A study of period dress and the classification of its parts. Emphasis is placed on analysis of the various silhouettes and their adaptation to the stage.

THTR 433**Concepts of Costume Design (2)**

Prerequisite: Permission of the instructor.

The costume designer's approach to predominant theatrical styles.

THTR 438**Scene Design (3)**

SPRING

A course in the methods available to the scene designer in presenting the design idea.

THTR 444**Costume Design (3)**

A lab taken concurrently with THTR 433.

Application of theory, technique and style in planning and presenting costume design for the stage.

THTR 445**Scene Painting (2)**

A practicum in techniques and mechanics of choosing, mixing and applying scene paint for theatrical production.

THTR 491**Senior Thesis Project (5)**

FALL/WINTER/SPRING/SUMMER

[satisfies senior capstone university graduation requirement.]

The final exit assessment instrument for graduation. Senior theatre majors expecting to graduate following the spring quarter of their senior year must undertake either the direction or design of a one-act play, produced and presented on the main stage of the University Theatre as a capstone project during Spring quarter. This project will result in the production of a major thesis document. The project will be conducted under the supervision of the faculty. Senior theatre majors whose schedules will not allow them to complete this course as their capstone, must enroll in an ITGS 400 course and complete the theatre department's senior comprehensive written and oral examination. The examination may be scheduled during any quarter.**THTR 494****Stage Door to the Future (1-5)**

SUMMER

Opportunity to work with professional theatre company on two or more productions each summer.

THTR 495**Field Experience in Theatre (1-15)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: Permission of the instructor.

Experience in production, performance or management of a theatre outside the University. Amount of credit is dependent on responsibilities undertaken.

THTR 496**Experimental Course in Theatre (1-5)**

FALL/WINTER/SPRING/SUMMER

THTR 497A**Workshop in Theatre (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: Permission of the instructor.

Group workshop projects in a selected field of theatre.

THTR 497B**Creative Arts Summer Festival (1-5)**

SUMMER

THTR 498**Seminar (1-5)****THTR 499****Directed Study (1-5)**

FALL/WINTER/SPRING/SUMMER

Prerequisite: Permission of the instructor.

Individual study projects in a selected special field of theatre. Limited to senior and graduate students.

URBAN AND REGIONAL PLANNING

College of Business and Public Administration
 Fred A. Hurand, Chair
 668 N. Riverpoint, Suite A
 Spokane, WA 99202
 (509) 358-2230

BA
Minor
MURP

*Faculty: C. Dotson, F. Hurand, W. Kelley, R. Rolland,
 D. Winchell, G. Zovanyi*

Many social, physical, economic, technical and political issues in society cry out for definition and resolution. Among these are: decline in central cities, deterioration of neighborhoods, inefficient and inequitable taxing and regulation policies, congestion and other problems of accessibility, the impact of growth and change, an erosion of natural resources including water, land, and air, and inefficient or absent human services. Urban and regional planning is one of society's means for addressing these problems in a creative, positive manner. Planning is a problem-solving profession that is concerned with the forces that influence the quality of life in the neighborhood, city, region, state, nation and world. Thus, planning provides a unique occupational avenue for those who desire a role in shaping a better future.

The goal of Eastern's program in Urban and Regional Planning is to train competent professionals for careers in planning. To achieve this goal, the department stresses the acquisition of practical, analytical and organizational skills designed to aid the student in analyzing problems and organizing community activities to help solve problems. The combination of classroom instruction and applied planning field projects develops professional competence and ensures that each student has the requisite abilities to function within the profession after leaving the program. The department takes particular pride in having the only accredited undergraduate planning degree in the Northwest and one of only 11 in the nation.

The Department is housed in excellent academic facilities at the Riverpoint campus in Spokane and at Isle Hall in Cheney and has acquired a variety of equipment to support student activities. There are drafting studio facilities, computer terminals, computer labs, a geographic information systems laboratory as well as access to a variety of other resources.

Community Service Information: The Department has a long history of providing planning and community development services to urban neighborhoods, towns and cities throughout Eastern Washington through its community service program. This work is conducted either on a contract basis with these communities or through other mechanisms. This work provides students with the opportunity to apply their knowledge and skills in realistic planning settings.

Internships Information: The department maintains an active internship program with local and regional planning agencies throughout the Northwest. Internships are encouraged but not required. An intern gains valuable practical experience while earning credits toward the degree. Credit allocation is determined by the amount of time the student works in the agency.

Awards Program Information: The department conducts an annual awards program to recognize students for work accomplished during their academic careers. These awards include:

The Frank Schaedigg Scholarship award (\$1,000).

The Washington Chapter APA Scholarship for an undergraduate or graduate student (\$2,500).

William and Elizabeth Rennebohm Scholarship \$750

King Cole scholarship \$1000

Undergraduate Scholarship Award: Awarded to the graduating senior whose academic achievement has been out-standing.

www.ewu.edu

Graduate Scholarship Award: Awarded to the graduating master's degree candidate whose academic achievement has been outstanding.

Community Service Award: Awarded to a graduating student who has accomplished noteworthy and exemplary contributions in public service to regional communities.

Professional Achievement Award: Awarded to a graduate student who has demonstrated outstanding professional knowledge and skill in the performance of a professional internship or research project.

Teaching Methods: The department emphasizes the acquisition of practical professional skills. Therefore, students not only acquire information in the classroom, but also are involved in field projects requiring systematic application of this information. These field projects are often linked to the Department's community service function.

Career Placement Information: The long-range job outlook for urban and regional planners is good. There is an expanding need for planners in the private sector including consulting firms, land development companies, and large corporations involved in land management and location analysis. Planners are also found in non-profit organizations involved in community problem solving. These positions complement more traditional jobs in the public sector including those dealing with comprehensive planning, land use regulation and transportation systems management. The Department takes an active role in placing students and is proud of its continuing success in finding positions for its graduates. Agencies and organizations throughout the Pacific Northwest compliment the program for producing graduates who need little additional training to assume their employment responsibilities.

UNDERGRADUATE PROGRAMS

General Admissions Information for Urban and Regional Planning: Students considering a major in planning should contact the Department's undergraduate program advisor as early in their academic careers as possible. Early counseling can help students select GEGR courses which best complement their major course requirements. Transfer students should contact the advisor during their admission process to have their records reviewed.

In general, students that major in planning are advised to select their GEGR courses from the following areas: physical and human geography, geology, biology, mathematics, sociology, economics and government. Knowledge in these disciplines will aid students in their planning courses.

The University requires that all students receiving a bachelor of arts degree fulfill a foreign language requirement. Students who have had two years of the same language during their high school education or one year of the same language at the college level have fulfilled this requirement. This requirement applies to all planning majors. Undergraduates seeking a degree in planning must complete this requirement including students transferring with an associate of arts degree. If the requirement has not been completed prior to admission to the program, the student, in consultation with the program advisor, will have to schedule the completion of their foreign language requirement during their tenure in the planning program.

Although there are no formal admission requirements for entering the undergraduate planning program, acquisition of basic skills in English composition and mathematics is important preparation for the planning major. Normally, students who enter the program as second or third quarter sophomores or juniors should have completed these requirements. Those students who have not will be expected to complete these requirements within the first three quarters of their tenure in the planning program.

Credit Through Evaluation: Students with life experiences that are closely related to work in the planning profession, community organizing or other similar work, can have a faculty member review their work for credit through evaluation. Credits toward the degree requirements can be granted if these life experiences are sufficient. Credits gained through evaluation are applied to the elective credits in the major.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)**Urban and Regional Planning Major (90 credits)**

The Department offers a 90-credit bachelor of arts major and a 15-credit minor in urban and regional planning. The bachelor of arts major is a fully accredited professional degree that prepares the student for entry-level positions in planning.

Students majoring in planning normally enter the program during their second or third year of undergraduate studies. The Planning minor should be utilized by students majoring in other programs who perceive planning as a complement to their education.

In addition to the baccalaureate programs, the Department also offers students the opportunity to earn dual degrees with other academic programs. In the past, students have earned concurrent degrees in geography, economics, sociology and government. Students from other programs may also take courses in the department.

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required.

Required Courses

PLAN 201 Introduction to Urban and Regional Planning (5)
 PLAN 261 Community Development (5)
 PLAN 300 Planning Presentation Techniques (5)
 PLAN 301 Planning Methods and Techniques (5)
 PLAN 402 Planning Implementation (5)
 PLAN 403 Community Facilities Planning (5)
 PLAN 406 Planning Law and Legislation (4)
 PLAN 430 Environmental Planning (5)
 PLAN 440 Land Use Planning (5)
 PLAN 450 Transportation Planning (5)
 PLAN 460 Urban Design (3)
 PLAN 490 Senior Capstone: Planning Studio (5)
 GEOG 300 Physical Geography (5)
 GOVT 330 American Local Government and Politics (5)
 SOCI 356 Introduction to Social Statistics (5)

Electives

PLAN 100 The City (5)
 PLAN 371 New Town Planning (3)
 PLAN 375 Tribal Planning (3)
 PLAN 431 Environmental Impact Statements (3)
 PLAN 435 Hazards Planning (2)
 PLAN 441 Site Planning (5)
 PLAN 445 Land Development (3)
 PLAN 455 Public Transportation Planning (3)
 PLAN 457 Special Topics in Transportation (2)
 PLAN 465 Historic Preservation Planning (3)
 PLAN 467 Parks Planning (5)
 PLAN 470 Community Participation Techniques (2)
 PLAN 471 Rural and Small Town Planning (3)
 PLAN 472 Housing (3)
 PLAN 476 Comparative Urbanization (4)
 PLAN 480 Regional Planning (3)
 PLAN 482 State and Federal Planning (3)
 PLAN 491 Field Studies (12)
 PLAN 495 Planning Internship (1-10)
 PLAN 496 Special Topics in Planning (Var)
 PLAN 497 Conferences and Short Courses in Planning (Var)
 PLAN 498 Seminar in Planning (Var)
 PLAN 499 Directed Study in Planning (Var)
 ECON 458 Regional Economics (5)
 SOCI 498 Departmental Seminar (1-5)

Required program credits

72 credits

Elective credits

18 credits

Total credits for above major

90 credits

Minor**Urban and Regional Planning Minor (15 credits)****Required Courses**

Select one course from below: 5 credits minimum

PLAN 201 Introduction to Urban and Regional Planning (5)
 PLAN 261 Community Development (5)
 PLAN 301 Planning Methods and Techniques (5)

Additional courses may be selected from above or other planning courses.

Total credits for above minor

15 credits

GRADUATE PROGRAM**Master of Urban and Regional Planning****Gabor Zovanyi, Graduate Advisor**

Department of Urban and Regional Planning
 College of Business and Public Administration
 EWU, Phase One Classroom Building
 668 N. Riverpoint Blvd., Suite A
 Spokane, Washington 99202-1660
 Telephone: (509) 358-2228

The MURP Program is a two-year professional curriculum. The program is one of only four in the Pacific Northwest states that is professionally accredited by the Planning Accreditation Board. The purposes of the graduate planning program are as follows:

1. To provide communities and agencies with competent professionals in the field of urban and regional planning.
2. To prepare professionals who can develop and administer planning policies for the economic vitality, resource efficiency and environmental quality of communities and regions.
3. To fulfill the need for planning-related research with particular emphasis given to research benefiting the region and state.
4. To provide community services in the form of continuing education for public officials, practicing professionals and citizens; technical assistance for area agencies and communities; information and technology exchange with appropriate local, state and federal authorities.

The major distinction between Eastern's and other planning programs is that our combined teaching and practice focuses on problem solving at regional and community scales.

Admission Requirements/Preparation

Admission requirements of the MURP program include those required by the graduate school (found in the front of this catalog) as well as the following:

1. Two letters of recommendation submitted to the graduate advisor of the Department of Urban and Regional Planning. Both letters should be from instructors familiar with the applicant's undergraduate or, where applicable, graduate academic record. In the event the applicant has professional planning experience, letters may come from a supervisor or person familiar with planning work of the applicant.
2. All applicants shall also submit a personal letter of intent explaining why they wish to study planning and outlining their educational and career goals.

Degree Requirements

Each student will be expected to complete a minimum of 72 credit hours, including at least 36 hours at the 500 level or above. Graduate students are not prohibited from taking upper-division undergraduate courses in planning and are encouraged to use selected upper division undergraduate courses as electives and in support and pursuit of an area of specialization.

Core Curriculum and Credit Hours Required of all Students:**1. Theory/Philosophy**

PLAN 501 Foundations of Planning (5)
 PLAN 502 Advanced Community Development (5)
 PLAN 508 Reflective Planning Theory (3)

2. Administrative/Management

PLAN 505 Planning Implementation and Law (5)

3. Methods/Techniques

PLAN 503 Planning Methods I (5)
 PLAN 504 Planning Methods II (5)
 PLAN 506 Planning Methods III (5)

4. Applied Synthesis

PLAN 507 Advanced Planning Studio (5)
 PLAN 591 Research Project Preparation (1)
 PLAN 601 Research Project (5)
 or PLAN 695 Professional Internship (5)

5. Specialization or Generalist Electives

Every student must either take courses in one of the specialty areas listed below or take PLAN 440, Land Use Planning, and at least two of the following courses:

- PLAN 403 Community Facilities Planning (5)
- PLAN 430 Environmental Planning (5)
- PLAN 450 Transportation Planning (5)
- PLAN 460 Urban Design (3)

Required core credits **44 credits**

Electives credit **28 credits**

Total credits for above master's degree **72 credits**

Students may not count more than 5 credits in *Directed/Independent Studies* (PLAN 599) in their program nor exceed 10 credits in *Directed/Independent Studies* (PLAN 599) in combination with PLAN 695 *Professional Internship*. With the exception of those who have applied for leaves of absence, students who enroll in PLAN 601 Research Project must maintain continuous enrollment until their degree requirements are met.

Specialization

Students selecting a specialization must complete the core of a specialization, under advisement from their committee select the majority of their remaining electives from courses that support their area of specialization and do their research paper in the specialty area. The following list indicates the core of each specialty area.

Tribal Planning

- PLAN 430 Environmental Planning (5)
- PLAN 440 Land Use Planning (5)
- PLAN 523 American Indian Planning (3)

Planning Management

- PLAN 524 Advanced Strategic Planning (3)
- PLAN 525 Planning, Politics and Public Policy (3)
- PADM 523 Public Financial Management (4)

Environmental Planning

- PLAN 430 Environmental Planning (5)
- PLAN 431 Environmental Impact Statements (3)
- PLAN 440 Land Use Planning (5)

Small Town Planning

- PLAN 403 Community Facilities Planning (5)
- PLAN 440 Land Use Planning (5)
- PLAN 471 Rural and Small Town Planning (3)
- PLAN 514 Local Economic Development Planning (3)

Alternative Degree Options

In addition to the above program, students have two alternative options for acquiring a degree in planning. Students may elect to complete an Interdisciplinary Master's Degree by arranging a set of courses with two or more departments. In these cases, students receive the appropriate degrees, MA or MS, but not the MURP degree.

The Department of Urban and Regional Planning and the graduate program in Public Administration offer a dual-degree program in Planning and Public Administration. However, students who complete these programs will not be considered to have graduated from the accredited program as described above without fulfilling all of the above requirements in addition to those specified in the dual degree program.

Students interested in either of these options must contact the department's graduate program advisor and have approval to register.

Registration

Before the first registration, students should consult the department's graduate advisor for assistance in planning courses for the first quarter. The graduate advisor has responsibility for guiding the student until the student has selected a graduate committee. Once the committee has been selected, the chair of the committee provides guidance for the student.

The load for a full-time graduate student is 12 to 16 hours per quarter. An additional charge will be assessed for credits in excess of 18. Students enrolling for 17 credits or more must have written approval from the graduate advisor or chair of their graduate committee plus the department chair and the Dean of the College of Business and Public Administration.

Enrollment Requirements

Students admitted to the Master of Urban and Regional Planning Program must maintain continuous enrollment from the first matriculation until all requirements for the degree are completed. Enrollment may be met in one of the following categories:

1. Full-time enrollment of 10 credits or more;
2. Part-time enrollment of less than 10 credits;
3. In absentia enrollment;

Graduate students are considered to be actively pursuing a degree from the first enrollment in the graduate planning program until graduation or until the limits described in this catalog have expired.

Under unusual circumstances, a student may petition for a leave of absence. If the petition is granted, the registration requirement will be set aside during that period of leave. Leaves will be granted only under conditions that require the suspension of all activities associated with the student's degree program, including the research project. The leave of absence shall be for no more than one year. A written request for leave of absence shall be submitted to the student's committee for approval. The recommendation shall be forwarded to the Graduate Studies Office.

Students who have completed all courses in their program other than PLAN 601 shall continue to register for at least 2 credits of planning courses until the degree requirements have been completed. An approved leave of absence is the only exception to this requirement.

Students who do not comply with these requirements for continuous enrollment will have their future registration blocked. They will be allowed to register only after receiving a favorable recommendation from the department's faculty, the endorsement of the department chair and the approval of the Dean of the College of Business and Public Administration.

Student's Advisory Committee

After receiving admission to Graduate Studies and the Department of Urban and Regional Planning, the student will consult with the departmental graduate advisor concerning appointment of the chair of the student's advisory committee. The graduate committee administering the comprehensive examination shall, according to department policy, be comprised of three members: two faculty members from the department, with one serving as chair and a third faculty member from another academic discipline. The committee member from outside the student's discipline may either be appointed by the Graduate Studies Office or students may elect to take the initiative and have a faculty member of their choosing appointed to the third committee position. If the second option is selected, students have the responsibility of approaching such potential members to secure their willingness to serve, and the subsequent responsibility of notifying the Graduate Studies Office so that the willing outside members may formally be appointed to committee assignments.

No adjunct, part-time or other faculty located away from the campus may serve as chair of a student's advisory committee, but they may serve as a member.

The student's advisory committee has the responsibility for guiding and directing the entire academic program of the student. The student has the responsibility for initiating academic actions concerning the advisory committee. The chair of the advisory committee has immediate supervision of the student's academic planning and research project. The chair also has the responsibility for calling required meetings of the advisory committee or other informal meetings considered desirable.

The duties of the advisory committee include the responsibility for the degree program, the research or internship proposal, the research project, the internship report and the final examination. In addition, the advisory committee, as a group and as individual members, is responsible for counseling the student on academic matters, and in the case of academic deficiency initiating recommendations to the Graduate Studies Office.

The student's advisory committee will evaluate the student's previous training and degree objectives. The committee will then outline a proposed degree program and a research problem or internship proposal or some combination of the two. These activities along with the student's other courses will constitute the student's program. The student's proposed degree program must be included in the Application for Degree Candidacy form. This form must be submitted to the Graduate Studies Office prior to the fourth quarter of registration, with endorsements by the student's advisory committee and the graduate program advisor.

Additional courses may be added to the approved degree program by the student's advisory committee if such additional course work is deemed necessary to correct deficiencies in the student's academic preparation. Changes to an approved degree program can be made with the approval of the student's advisory committee.

Research or Professional Internship Proposal

Students choosing the research report option must prepare a research proposal for approval by the advisory committee prior to the end of their fourth quarter. Any student contemplating a professional internship must prepare a proposal for the internship which includes a clear set of learning objectives, a work program and an outline of the paper that will evaluate the internship experience.

Research and Internship Reports

Successful completion of a research project or a professional internship is required for the degree of Master of Urban and Regional Planning. Both types of experience require a formal report. In the case of the professional internship, this report must be based upon the learning objectives set forth in the internship proposal and must be a reflective review of the work experience in the light of the theories and methods acquired during the student's tenure in the program. A research report must be the original work of the candidate. Either type of report must be grammatically correct, reflect the candidate's ability to express thoughts clearly and adhere to the format of articles and reports contained in the Journal of the American Planning Association. The research report shall also contain an abstract not exceeding 350 words and a vita page. Instructions relating to the specific requirements of either type of report may be obtained from the department office.

Final Comprehensive Examinations

The candidate for the degree of master of urban and regional planning must pass a final examination. At the time of the final examination, a student's cumulative GPA must be at least 3.0. There must be no unabsolved grades of less than 2.0 and no "X" for any course listed in the candidate's degree program. The student must have completed all degree program course work with the exception of those courses scheduled during the quarter of the examination. Students who have not met these conditions are not eligible to take the final examination.

All students will be required to pass an oral examination during their final quarter. That oral examination shall consist of questions pertaining to the department's curriculum and the candidate's own areas of study. The examination may, at the discretion of the student's committee, include a written component. In addition, all students are required to defend a research or internship report during the course of the final examination.

The final examination is conducted by the student's advisory committee. The oral examination is open to the public; however, only committee members vote.

It is the candidate's responsibility to schedule the comprehensive examination at a time agreeable to committee members and to notify the Graduate Studies Office at least two weeks prior to the examination date. In addition to complying with university procedures regarding such matters as deadlines and notification requirements, students within the department must also satisfy two additional procedural requirements with respect to the written component of their final examinations. They must submit an acceptable draft of their research or professional internship report to the chair of their committee no later than the end of the third week of the quarter in which they intend to graduate. In addition, they are also required to submit a final copy of such reports at least two weeks prior to the comprehensive examination.

Students must be registered at the University during the quarter in which the examination is given. A student shall be given only one opportunity to repeat the final examination and that shall be scheduled within the quarter following the first taking of the examination (summer quarter excluded).

Undergraduate courses recommended for graduate study:

- PLAN 403 Community Facilities Planning (5)
- PLAN 430 Environmental Planning (5)
- PLAN 431 Environmental Impact Statements (3)
- PLAN 440 Land Use Planning (5)
- PLAN 441 Site Planning (5)
- PLAN 450 Transportation Planning (5)
- PLAN 460 Urban Design (3)
- PLAN 471 Rural and Small Town Planning (3)
- PLAN 480 Regional Planning (3)

Urban and Regional Planning Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

PLAN 100

The City (5)

Surveys the nature of transformations of cities during the course of their evolution from preindustrial to industrial to the postindustrial cities of today, and explains the factors that have contributed to these transformations.

PLAN 201

Introduction to Urban and Regional Planning (5)

FALL

This lecture/discussion course uses a historical context to introduce the concepts, theories and applications of urban and regional planning.

PLAN 261

Community Development (5)

SPRING

Applied studies of the process of community development emphasizing the interactive roles of citizens, community officials and planners.

PLAN 300

Planning Presentation Techniques (5)

FALL

Introduces the written, oral and graphic presentation techniques common to the planning profession.

PLAN 301

Planning Methods and Techniques (5)

WINTER

Prerequisite: PLAN 201.

This course develops specific skills and techniques in the collection, analysis and interpretation of data commonly used in planning.

PLAN 371

New Towns Planning (3)

Surveys new towns and planned communities in the United States, Europe and developing countries, comparing these with conventional forms of urban development.

PLAN 375

Tribal Planning (3)

Presents an overview of Native American community and culture, the history of tribal government and its contemporary structures and the applications of planning techniques to Native American communities. Emphasizes identifying appropriate planning techniques which promote tribal self-determination and preserve tribal sovereignty.

PLAN 402**Planning Implementation (5)**

FALL

Prerequisite: PLAN 201.

A survey of zoning, subdivision regulations and other tools used to implement public plans and policies. Introduces students to the administrative practices associated with the planning implementation process.

PLAN 403**Community Facilities Planning (5)**

WINTER

An examination of the issues and techniques associated with planning, budgeting and programming for community infrastructure such as sewer and water systems.

PLAN 406**Planning Law and Legislation (4)**

WINTER

Prerequisite: PLAN 301 or permission of the instructor. Reviews the constitutional, statutory and case law governing public planning and regulatory activities, with specific emphasis on the legal aspects of regulating private lands to further public objectives and Washington State law.

PLAN 408**Women and Men in City Planning (1)**

Prerequisite: English clearance.

Gender issues in the context of city planning, including the contribution of women in the profession, and a feminist approach to land use, transportation and housing. The class investigates how and why cities are structured as they are. It presents a new perspective on viewing the urban environment, which can be incorporated into planning curriculum. (Cross-listed WMST 408)

PLAN 430**Environmental Planning (5)**

SPRING

Surveys the philosophy and techniques of environmental planning, emphasizing an understanding of why environmental considerations should be incorporated into land use planning activities and developing skills needed to carry out an environmental analysis.

PLAN 431**Environmental Impact Statements (3)**

SPRING

Prerequisite: PLAN 430 or permission of the instructor. Individual and team field work in the preparation of environmental impact statements. A review of state and federal environmental legislation and procedural requirements.

PLAN 435**Hazards Planning (2)**

A workshop that surveys the characteristics of selected natural and technological hazards, and reviews mitigating measures, risk assessment procedures and strategies for planning community response.

PLAN 440**Land Use Planning (5)**

SPRING

Prerequisites: PLAN 300, 301 and 430.

Explores the issues and methods of analyzing and organizing land uses in urban and regional environments by balancing the demand for uses with the environmental conditions that limit the supply of the land.

PLAN 441**Site Planning (5)**

Prerequisite: PLAN 430 or permission of the instructor.

A studio course in the application of site planning methods and principles to subdivision and site development.

PLAN 445**Land Development (3)**

FALL

A seminar in the financial feasibility analysis and packaging of land development projects with emphasis on the private land development process and its interaction with the public planning processes.

PLAN 450**Transportation Planning (5)**

FALL

A lecture/studio class that explores the procedural and conceptual transportation planning process, including a framework for addressing system characteristics, institutional arrangements, theories of travel supply and demand, selected forecasting models and interactions with land use and other urban systems.

PLAN 455**Public Transportation Planning (3)**

A seminar/studio class introducing transit technology, system design and operating characteristics, and role of transit in urban development. Emphasizes techniques of transit planning, market research and performance evaluation.

PLAN 457**Special Topics in Transportation (2)**

A workshop introducing knowledge and skills related to selected issues in transportation planning and policy. Topics vary each year. Recent topics included rural transportation planning, transportation of hazardous materials, and pedestrian and bicycle planning.

PLAN 460**Urban Design (3)**

SPRING

This seminar explores the theory and techniques of analysis of the design of urban environments, emphasizing the impact local decision-making has on community aesthetics.

PLAN 465**Historic Preservation Planning (3)**

FALL

Presents the issues, policies and methods for preserving historic properties as a means for ensuring the longevity of the artifacts of our public heritage.

PLAN 467**Parks Planning (5)**

SPRING

A studio which presents the basic theories and techniques of park planning through the design and development of a park planning project.

PLAN 469**Built Environments of North America: Symbol and Structure (3)**

Prerequisite: GEOG 101 or permission of the instructor.

This course is a survey of North American architectural landscapes from the colonial period to the present. This course will examine such topics as the diffusion of major styles of residential, commercial and public architecture across the continent, the relationship of geology and climate to the availability of building materials and technology, and the effects of these on the human built environment, especially in the Pacific Northwest. Special emphasis will be placed on the visual differentiation of building styles and the symbolic, political and philosophical foundations of architectural form and decoration.

(Cross-listed with GEOG 469, HIST 469)

PLAN 470**Community Participation Techniques (2)**

WINTER

Prerequisite: PLAN 261 or permission of the instructor.

A workshop on the application of skills and techniques of community development and participation, emphasizing personal growth, group formation and dynamics, consulting with groups and creative change within groups.

PLAN 471**Rural and Small Town Planning (3)**

Prerequisite: PLAN 301 or permission of the instructor.

Discussion and research of the patterns of rural land use, emphasizing legislation, environmental characteristics, community values and anticipated land use demand.

PLAN 472**Housing (3)**

Prerequisites: PLAN 201, 261 or permission of the instructor.

Discussion and research into the nature of shelter, housing need, policy and programs, codes and standards, and housing assistance plans.

PLAN 476**Comparative Urbanization (4)***[satisfies international studies university graduation requirement.]*

Prerequisite: PLAN 261 or permission of the instructor.

A review of the nature of urbanization in developed and developing countries, examining planning-related issues associated with urbanization, overurbanization and counterurbanization in a variety of natural settings.

PLAN 480**Regional Planning (3)**

Prerequisite: PLAN 201 or permission of the instructor.

Small-group field studies in the theory and application of regional analysis and planning to metropolitan and urban regions, and discussion of regional policy and administration in light of federal and state legislation.

PLAN 482**State And Federal Planning (3)**

Prerequisite: PLAN 201 or permission of the instructor.

Discussion of program and policy formulation with emphasis on intergovernmental coordination at the state and federal level.

PLAN 490**Senior Capstone: Planning Studio (5)**

SPRING

[satisfies senior capstone university graduation requirement.]

Prerequisites: Completion of 15 credit hours of planning courses.

The culminating studio for undergraduates that demonstrates their abilities through the application of their knowledge and skills to a real community problem. Students typically work in consultation with practicing professionals for a community or agency in producing a planning-related product for use by the client.

PLAN 491**Field Studies (12)**

Prerequisite: Completion of 15 hours of planning courses.

A field application course designed to develop skills in data collection and analysis; plan graphics and mapping; and plan program and policy development.

PLAN 495**Planning Internship (1-10)**

Prerequisites: Permission of the instructor and the department chair.

Supervised work in a public agency or with a private consultant. Daily journals are kept, a report is written on the work and the student is evaluated by the supervisor and faculty member. One hour credit for each four hours of work per week per quarter.

PLAN 496**Experimental Courses (1-5)****PLAN 497****Workshops, Short Courses, Conferences (1-5)**

Conferences and short courses on selected planning topics are offered for credit from time to time. These may be on campus or in the communities.

PLAN 498**Seminar (1-5)**

Selected seminar discussions of various planning topics: law, land development, energy, futures, philosophy and practice.

PLAN 499**Directed Study (1-5)**

Prerequisites: Permission of the department chair and the instructor.

PLAN 501**Foundations of Planning (5)**

FALL

Survey of the history, theory, philosophy and practice of planning. Subject matter treated during the course includes consideration of the nature of the planning profession's evolution, the profession's relationship to politics, the extent of ideological pluralism among planners and the highly varied nature of professional planning activities.

PLAN 502**Advanced Community Development (5)**

FALL

A survey of the structure and process of community development. Emphasis will be on the role of planners and community development specialists as agents for change in the context of community growth. Course will feature seminars and exercises in community problem solving, needs assessment, small group theory and process facilitation.

PLAN 503**Planning Methods I (5)**

FALL

An introduction to planning process models, work programs, research methods, survey research and descriptive and inferential statistics. Students also learn to present data graphically and orally.

PLAN 504**Planning Methods II (5)**

WINTER

Prerequisite: PLAN 503.

An introduction and application of population forecasting, economic analysis and cost/benefit techniques and their application to planning problems. Students also learn to incorporate information from these techniques into professional planning reports and policy analysis.

PLAN 505**Planning Implementation and Law (5)**

WINTER

Review of zoning, subdivision regulations and other tools employed by planners to implement public plans and policies. Consideration of constitutional, statutory and case law governing the realm of plan and policy implementation.

PLAN 506**Planning Methods III (5)**

SPRING

Prerequisites: PLAN 503, 504.

This is a case studies course focused on comprehensive planning demonstrating how the techniques from previous courses are applied in a comprehensive planning setting and how the functional areas of planning interact with the basic models learned in the previous courses.

PLAN 507**Advanced Planning Studio (5)**

FALL

Preparation of a major planning project for a community or other agency. Students work in cooperation with practicing professionals, conduct general research, perform analysis, develop specialized plans and draft implementation tools. Each student is assigned specific responsibilities on an interdisciplinary team.

PLAN 508**Reflective Planning Theory (3)**

WINTER

Prerequisite: Second year of graduate program.

This course will present an overview of the range of the philosophical and methodological approaches to planning and their varying roles within the discipline. The emphasis is on examining professional knowledge and reflection in action to provide a contextual guide for planning practitioners as they enter the profession.

PLAN 511**Advanced Planning Law and Legislation (3)**

A survey of federal and state case law rulings which serve to delimit the extent of permissible regulation of private land use to further public objectives. Examination of national and state legislation pertaining to public planning activities.

PLAN 512**Growth Management (3)**

An examination of techniques and strategies for affecting the amount, rate, location and quality of growth. A review of existing efforts at local and state levels to manage growth. Consideration of the legal limits to growth management activities.

PLAN 514**Local Economic Development Planning (3)**

This course offers a review of the objectives, strategies, and techniques associated with economic development programs for cities, counties and towns. Students survey techniques including consideration of financial assistance programs, expenditures on public capital and regulatory reforms. The course will examine ties between economic development, land use planning and capital budgeting processes.

PLAN 515**Design and Behavior (3)**

WINTER

This course explores the relationships between environment and human behavior with special emphasis given to the design and planning implications of this body of knowledge.

PLAN 520**Transportation Systems Management (3)**

This course looks at applied studies of transportation systems analysis and short range planning and management. The focus will be on means to better utilize existing facilities and services, and methods discussed will include sketch-planning analysis, impact assessment, and system monitoring and evaluation.

PLAN 523**American Indian Planning (3)**

This course will outline the unique context of tribal government as sovereign nations under the federal government, examine the history and evolution of tribal government institutions within unique tribal cultural systems, and describe the role and relationship of planning within such a framework.

PLAN 524**Advanced Strategic Planning (3)**

This course presents an overview of strategic planning processes and their application in public and private management including organizational planning, program planning, financial management planning and critical issue analysis.

PLAN 525**Planning, Politics and Public Policy (3)**

This course deals with the political nature of planning and public policy making. It reviews the theoretical aspects of planning as a profession and its relationship to political decision making and investigates techniques for analyzing the political decision making process and improving community participation in the planning process.

PLAN 539**Special Topics (1-5)**

Advanced planning topics will be offered periodically.

PLAN 591**Research Project Preparation (1)**

FALL

A seminar course designed to prepare students for their capstone research or professional internship report. Reviews research strategies, helps students select topics, produce a work program and begin research on their project.

PLAN 595**Graduate Internship (1-10)**

Students may participate in structured internships in agencies without the responsibility of using the internship as a capstone course. However, students must set learning objectives, maintain a journal of their experiences and prepare a short report.

PLAN 596**Experimental Course (1-5)****PLAN 598****Advanced Planning Seminars (1-5)**

Advanced seminar topics offered quarterly.

PLAN 599**Independent Studies (1-5)****PLAN 601****Research Project (5)**

Prerequisite: Substantial completion of degree requirements.

A major planning project approved by the student's advisory committee. Students must file a record of study in the standard research format which will describe the approach, objectives, methods and conclusions of the project.

PLAN 695**Professional Internship (5)**

Prerequisite: Substantial completion of degree requirements.

Professional field practice with private or public agencies. This internship is a capstone course requiring a focused internship project, approval by the student's committee and the production of a formal report that reflects upon the internship utilizing the theories and methods learned during the student's tenure in the program.

VOCATIONAL EDUCATION

See BUSINESS ADMINISTRATION.

WOMEN'S STUDIES

College of Social and Behavioral Sciences

Sally Winkle, Director

207 Monroe Hall

(509) 359-2409 (Cheney)

BA

Minor

Certificate

Faculty: D. Almeida, L. Avery, K. Carlberg, P. Chantrill, R. Dean, L. De Vuono, K. Edquist, L. Greene, N. Hathaway, G. Hicks, K. Huttenmaier, K. Islam-Zwart, G. Jansen, E. Kissling, H. Lightfoot, M. Marinucci, N. Nelson, D. Orr, M. Peck, L. Reeves, R. Schneider, J. Smith, B. Torgerson, N. Wainwright, G. Walas, S. Warren, J. Williams, S. Winkle, S. Wright

UNDERGRADUATE PROGRAMS

Women's Studies contributes to the accumulation and dissemination of scholarship by, about and of concern to women in all disciplines. Its courses focus on the contributions of women so often ignored or attributed to men. Specifically, the courses:

1. Explore the female experience in different societies among women of different classes, races or nationalities, historical periods, or academic disciplines, and/or
2. Examine critically a new or rediscovered body of literature or research which provides new information or challenges conventional theories.

Women's Studies is a part of Women's Programs, which includes the Women's Studies Center. Women's Studies and the Center work closely together, the Center maintaining a small library and offering numerous programs, both educational and social. One of the program's particular interests is addressing the needs of re-entry students—many of whom are women—who draw on the lounge, support groups, counseling and referral services of the Center. The HOME (Helping Ourselves Means Education) information network for non-traditional students is one emphasis of the Center. Since the program's purpose is to promote equality of opportunity for women and men, the Women's Studies Center and the Women's Studies academic program welcome participation by all members of the University Community.

The Women's Studies academic program offers a BA degree in Women's and Gender Studies, a Women's Studies minor and a Gender Studies Certificate.

The Women's and Gender Studies major offers students an interdisciplinary examination of women's roles, contributions, history and experiences as well as a critical study of gender structures in societies and cultures in the US and the world.

This integrated degree program is comprised of courses from a broad array of disciplines in five different colleges, and provides a strong foundation in the humanities and social sciences.

The Women's and Gender Studies major will fulfill partial requirements for a Bachelor of Arts degree. This 45–52 credit major requires the completion of a minor or a certificate and provides students with the opportunity to choose a second major to enhance career or post-graduate study opportunities.

The major includes a prior learning option to allow adult learners who have acquired professional or paraprofessional experience to have their experiential learning evaluated for a block of elective credit.

Required courses in the following programs of study may have prerequisites. Reference the course description section for clarification.

Bachelor of Arts (BA)

Women's and Gender Studies Major (45–52 credits)

Note: Two years of a single high school foreign language or one year of a single college level foreign language is required for this major.

Required Courses

Introductory Courses

Choose one of the following:

WMST/HUMN 101 Introduction to Women's Studies (5)
or WMST/HUMN 310 Issues in Women's Studies (4)

Foundation Courses

CSBS 310 Foundations of Social and Behavioral Sciences Theory (5)

Plus one course selected from:

CSBS 320 Introductory Statistics for the Social Sciences (5)
CSBS 330 Integrated Social Science Methods (5)
CSBS 331 Documents-Based Research Methods (5)
DSCI 245 Data Analysis for Business (4)
ENGL 308 Advanced Exposition (5)

Core Courses

WMST/HUMN 410 Feminist Theory (4)
WMST 490 Senior Capstone Seminar (4)

Plus at least 4 credits from each of the 4 disciplinary perspectives below:

Feminist Cultural Studies (Choose at least 4 credits)

ENGL/WMST 389 Women, Literature & Social Change (5)
CMST/WMST 414 Gender & Communication (5)
WMST/PHIL 417 Women & Ethics (5)
WMST/HUMN 319 Women Artists & Society (2)
WMST/PHIL 440 Women & Philosophy (5)
HIST/WMST 468 History of Modern American Women (4)

Women and Social Change (Choose at least 4 credits)

SOCI/WMST 377 Alternatives to Domestic Violence (2)
HIST/WMST 394 Women in American History (4)
SOCI/WMST 483 Sociology of Children (5)
HIST/WMST 392 Women in the American West (4)
MGMT/WMST 424 Equity & Equality in the Workplace (3)
SOWK/WMST 450 Women & Social Reform (3)
SOCI/WMST 370 Sociology of the Family (5)
WMST/ECON 427 The Economics of Women & Work (5)

Women, Body and Mind (Choose at least 4 credits)

SOWK/WMST 452 Gender & Sexual Assault (4)
BIOL/WMST 318 Biology of Women (3)
SOCI/WMST 321 Sex & Gender (5)
PSYC/WMST 331 Psychology of Women (4)
BIOL/WMST 338 Discovering Women in Science (1)
CMST/WMST 419 Sex, Sexuality & Communication (5)
WMST/HUMN 415 Gay, Lesbian, Bisexual & Transgender Studies (5)

Diversity and International Perspectives (Choose at least 4 credits)

SOWK/WMST 448 Gay & Lesbian Issues for the Social Work Practitioner (3)
ECON/AAST 424/WMST 426 Economics of Poverty & Discrimination (5)
SOWK/WMST 471 Human Rights & Women's Rights (4)
SPAN/WMST 475 Women's Writing in Latin America (4)
AAST/WMST 371 Cultural Study: African American Women & Hair (2)
WMST 498 Selected WMST Seminar as approved by Women's Studies Program Director (4–5)

Core Credit Electives

Choose 8–9 additional credits of electives from the Women's Studies Course Distribution List with approval of advisor.

Required introductory course credits	4–5 credits
Required foundation credits	9–10 credits
Required core credits including electives	32–37 credits
Minimum total credits for above major	45 credits

Note: The above major requires the completion of a minor or certificate approved by a Women's Studies advisor or a second major.

Note: Students must complete at least 25 credits of this major at Eastern Washington University.

Women's and Gender Studies Major: Prior Learning Option (49–56 credits)

Same as Women's and Gender Studies major above with an added 4 credits for the Portfolio Development course (ITDS 300).

The Prior Learning Program provides the adult learner who has acquired specialized professional or paraprofessional experience, the opportunity to have their experiential learning evaluated for a block of elective credit. The credit awarded cannot exceed 45 credits and can only be utilized in the prior learning option. The block of elective credit will count toward the 180 credits needed for the baccalaureate degree, but not toward general education requirements or the major. Documenting prior learning requires the Portfolio Development course (ITDS 300) to guide the student in preparation of a portfolio that articulates and validates learning. The portfolio completed in the course can be submitted for evaluation by an Eastern faculty who determines the credit award.

The Prior Learning Option can be taken in conjunction with the 45-credit major listed above.

ITDS 300 Portfolio Development course credits 4 credits

Minimum credits for above major with prior learning option 49 credits

Minor

Women's Studies Minor (22 credits) (or taken in partial fulfillment of Bachelor of Arts in Interdisciplinary Studies Degree—22 credits)

A Women's Studies minor complements majors in a variety of disciplines, including art, communication studies, economics, history, sociology, social work, psychology, English, education, business management, biology, government, criminal justice, and modern languages and literatures. It provides a theoretical, interdisciplinary approach to the critical examination of women's roles, contributions, history and experiences and of gender structures in societies and cultures in the US and the world. Some students choose an Interdisciplinary Studies degree blending Women's Studies with another field. The minor may also be taken in partial fulfillment of requirements for the bachelor of arts degree in interdisciplinary studies.

Required Courses

WMST/HUMN 101 Introduction to Women's Studies (5)

or WMST/HUMN 310 Issues in Women's Studies (4)

WMST 410 Feminist Theory (4)

Select two of the following courses (at least 8 credits) (8–10 credits)

WMST/BIOL 318 Biology of Women (3)

WMST/PSYC 331 Psychology of Women (4)

WMST/SOCI 370 Sociology of the Family (5)

WMST/ENGL 389 Women, Literature, and Social Change (5)

WMST/HIST 394 Women in American History (4)

WMST/CMST 414 Gender and Communication (5)

WMST/HUMN 415 Gay, Lesbian, Bisexual and Transgender Studies (5)

WMST/ECON 427 The Economics of Women and Work (5)

WMST/PHIL 440 Women and Philosophy (5)

WMST/SOWK 450 Women and Social Reform (3)

Electives

To bring total to 22 credits in Women's Studies, select from courses 300 or above from the distribution list. No more than 5 credits from the list of courses with applied emphasis will count toward the minor. Students should consult with the women's studies director on choice of electives. Distribution of courses: see the list below.

Required program credits 16–19 credits

300-level elective credits 3–6 credits

Minimum total credits for above minor 22 credits

Note: Students who are completing a minor in Women's Studies as well as a Gender Studies Certificate may only count one course for both the certificate and the minor: WMST 101 or WMST 310.

Note: No more than three credits of summer workshops may be counted toward the minor.

Gender Studies Certificate (23–28 credits)

An interdisciplinary, critical study of gender and its social impact, designed to increase student understanding of ways in which gender is developed, constructed and expressed in attitudes and institutions of modern societies. The certificate includes a capstone or practicum experience to facilitate students' abilities to apply their knowledge in a variety of occupations.

Required Courses

Choose one of the following courses: 4–5 credits

WMST 101 Introduction to Women's Studies (5)

WMST 310 Issues in Women's Studies (4)

Choose one of the following courses: 5 credits

CMST 414 Gender and Communication (5)

PHIL 417 Women and Ethics (5)

SOCI 321 Sex and Gender (5)

Required Experiential Component

Choose one. Must be approved by Women's Studies Director.

WMST 499 Directed Study (3–5)

Research Project or Guided Teaching/Instructional Development Experience in consultation with Gender Studies Certificate Coordinator and appropriate faculty member.

WMST 495 Internship or Practicum Experience (3–5)

A concentrated set of experiences in a supervised work setting in which the competencies developed through course work are utilized in actual practice.

WMST 490 Senior Capstone Seminar (4)

Women's Studies Capstone Seminar that includes a service learning component, such as a community action project that contributes to the betterment of the community or that assists a community partner.

Electives in Area of Interest

Required distribution of electives: choose at least two courses from the list of courses with applied emphasis or applied/theoretical emphasis. You may choose up to five credits from the list of courses with theoretical emphasis. Distribution of courses: see the list below.

Required program credits 9–10 credits

Required experiential component 3–5 credits

Elective credits 11–13 credits

Minimum credits for above certificate 23 credits

Note: No more than three credits of summer workshop may be counted toward the certificate.

Note: Students who are completing a minor in Women's Studies as well as a Gender Studies Certificate may only count one course for both the certificate and the minor: WMST 101 or WMST 310.

Distribution List of Courses:**Applied Emphasis:**

WMST/SOCI 377 Alternatives to Domestic Violence (2)

WMST/MGMT 424 Equity and Equality in the Workplace (3)

WMST/SOWK 448 Gay and Lesbian Issues for the Social Work Practitioner (3)

WMST/SOWK 450 Women and Social Reform (3)

WMST/SOWK 452 Gender and Sexual Assault (4)

Applied/Theoretical Emphasis:

WMST/BIOL 318 Biology of Women (3)

WMST/SOCI 321 Sex and Gender (5)

WMST/PSYC 331 Psychology of Women (4)

WMST/BIOL 338 Discovering Women in Science (1)

WMST/SOCI 370 Sociology of the Family (5)

WMST/AAST 371 Cultural Study: African American Women and Hair (2)

WMST/ENGL 389 Women, Literature and Social Change (5)

WMST/HIST 394 Women and American History (4)

WMST/CMST 414 Gender Communication (5)

WMST/PHIL 417 Women and Ethics (5)

WMST/CMST 419 Sex, Sexuality, and Communication (5)

WMST 426/ECON 424/AAST 424 Economics of Poverty and

Discrimination (5)

WMST/ECON 427 The Economics of Women and Work (5)

WMST/HIST 468 History of Modern American Women (4)

WMST/SOWK 471 Human Rights and Women's Rights (4)

WMST/SOCI 483 Sociology of Children (5)

WMST 498 Seminar approved by Women's Studies Director (4–5)

WMST 400–409 Summer workshops (1)

WMST 497 Summer workshop approved by Women's Studies Director (1–2)

Theoretical Emphasis:

WMST/HUMN 319 Women Artists and Society (2)

WMST/HIST 392 Women in the American West (4)

WMST/HUMN 410 Feminist Theory (4)

WMST/HUMN 415 Gay, Lesbian, Bisexual and Transgender Studies (5)

WMST/PHIL 440 Women and Philosophy (5)

WMST/SPAN 475 Women's Writing in Latin America (4)

Women's Studies Courses

Terms offered: If no terms are indicated, check with department or quarterly course announcement.

WMST 101

Introduction to Women's Studies (5)

WINTER

[satisfies cultural and gender diversity university graduation requirement.]

Explores the struggle for equality, the message and impact of the media, power of language, influence of religion and the effects of socialization, education, race, class, roles, stereotypes and romantic love on the experience of women. (Cross-listed HUMN 101)

WMST 310

Issues in Women's Studies (4)

FALL

[satisfies cultural and gender diversity university graduation requirement.]

Analyzes causes and effects of sexual stereotypes and surveys new scholarship through women's studies in psychology, economics, female biology, history, literature and others. (Cross-listed HUMN 310)

WMST 318

Biology of Women (3)

The history, biology and myths of human reproduction as they apply to women and the interaction of brain, hormones and social life. (Cross-listed BIOL 318)

WMST 319

Women Artists and Society (2)

Prerequisite: English clearance.

Survey of women artists from antiquity to the modern period. The work of painters and sculptors will be discussed in terms of the social context and artistic style of their times. (Cross-listed HUMN 319)

WMST 321

Sex and Gender (5)

FALL/SPRING

[satisfies cultural and gender diversity university graduation requirement.]

Prerequisite: SOCI 101 or 361.

A sociological analysis of differences and similarities between women and men. Examines the impact of gender ideologies on individual identity and social and political arrangements (especially instances of stratification and inequality). Also considers how changes in the gendered nature of society (e.g., socioeconomic organization, socialization, sexuality) occur. (Cross-listed SOCI 321)

WMST 331

Psychology of Women (4)

FALL

[satisfies cultural and gender diversity university graduation requirement.]

Prerequisite: ENGL 201 or equivalent.

The psychology of women in terms of their bodies, socialization, personality, affiliation and achievement motivations, abnormal behavior patterns, therapy and personal growth needs. (Cross-listed PSYC 331)

WMST 338

Discovering Women in Science (1)

The course uses several scientific themes to rediscover from the past, and find in contemporary research, the women who have made significant contributions to science. (Cross-listed BIOL 338, CHEM 338, GEOL 338, HIST 338, PHYS 338, PSYC 338)

WMST 370

Sociology of the Family (5)

Prerequisite: SOCI 101.

A consideration of family structures, cultures, and interactions, changing family patterns and contemporary family debates. (Cross-listed SOCI 370)

WMST 371

Cultural Study: African American Women and Hair (2)

This course covers the history of African American women's hair. Students will learn how different hairstyles and treatments document a journey of cultural and self-rejuvenation plagued by conflict and accusations. The course will also examine the relationship between hairstyles and racial identity. (Cross-listed AAST 371)

WMST 377

Alternatives to Domestic Violence (2)

WINTER

Analyzes theories relevant to issues of domestic violence in their historical, legal and cultural contexts. Therapeutic interventions are explored. (Cross-listed SOCI 377)

WMST 389

Women, Literature, and Social Change (5)

SPRING

[satisfies cultural and gender diversity university graduation requirement.]

Prerequisite: Completion of the University writing requirements.

Examines fictional images of women as these images reflect the changing roles and status of women from Greece to the present, focusing on the 19th and 20th centuries. (Cross-listed ENGL 389)

WMST 392

Women in the American West (4)

SPRING

This course examines the lives of frontier women using a variety of primary sources (letters, diaries, oral histories), as well as secondary sources (books, articles, movies, tapes). (Cross-listed HIST 392)

WMST 394

Women in American History (4)

FALL/WINTER

[satisfies cultural and gender diversity university graduation requirement.]

Brings to life and surveys the accomplishments of the "lost women" of the past from colonial times to the present. Society's definition of the nature of women and their proper roles will be examined, as well as the actual life conditions of women and the social and economic functions they performed. (Cross-listed HIST 394)

WMST 400

Women and Men in Literature (1)

SUMMER

This course teaches the integration of women authors, the ideas of men writing about women and ideas interesting to women in the study of literature. We will deal with textbook selections and a comparative treatment of women and men in a literature survey course. The course will provide a feminist approach and review the literature on gender balance. (Cross-listed ENGL 400)

WMST 401

Women and Men in Science (1)

SUMMER

The course will examine the impact made by classroom interactions, laboratory procedure, textbooks and language on women's participation in secondary or postsecondary science. It will make recommendations for gender balanced choices in these areas, and it will introduce women role models from the past for use in science history and other science courses. (Cross-listed BIOL 401, GEOL 401)

WMST 402

Women and Men in the U.S. Economy (1)

SUMMER

In the course we examine the economic activity and labor force participation of women and men in the United States. Employment issues, such as labor market discrimination, affirmative action and comparable worth will be discussed. Other topics include income distribution, poverty, welfare programs and the tax system. (Cross-listed ECON 429)

WMST 403

Women and Men in Psychology (1)

SUMMER

A one day workshop designed to facilitate and provide frameworks for gender-balancing psychology curricula (materials appropriate for secondary education and college level instruction). (Cross-listed PSYC 403)

WMST 404

Women and Men in Communications (1)

SUMMER

This course explores issues which directly affect both male and female classroom experiences. We will study unexamined cultural patterns which can affect communication in elementary, secondary, baccalaureate or post-baccalaureate education and will examine choices in curriculum planning, textbook selection and teacher/student interaction patterns which affect educational experiences of students in the classroom. Specific suggestions for change and classroom activities will be developed. (Cross-listed CMST 404)

WMST 405

Women and Men in History (1)

SUMMER

This course will deal with the placing of women and men within history. A comparative analysis will be made of the historical treatment given to both women and men. Using American history as an example, the workshop will set forth principles that will effectively help the classroom teacher create a gender balanced course and the student to recognize gender balance in history education. Attention will be given to non-sexist textbooks, audiovisual materials and testing. (Cross-listed HIST 405)

WMST 406

Women and Men in the Cultural Landscape (1)

SUMMER

The created landscape reflects human values and experience. This course examines ways in which women and men create, use, and experience the humanized landscape. We will examine spatial patterns of human activity from a variety of times and places, linking geographic theory to everyday environments. The course will include map work, slide analysis and a field exercise as tools for identifying and interpreting cultural landscapes. (Cross-listed GEOG 406)

WMST 408

Women and Men in City Planning (1)

SUMMER

Prerequisite: English clearance.

Gender issues in the context of city planning, including the contribution of women in the profession and a feminist approach to land use, transportation and housing. The class investigates how and why cities are structured as they are. It presents a new perspective on viewing the urban environment, which can be incorporated into planning curriculum. (Cross-listed PLAN 408)

WMST 409**Women and Men in Contemporary Art (1)**
SUMMER

Prerequisite: English clearance.

The class focuses on how the cultural arts describe society, examining as it does so a variety of social issues. Students will suggest ways in which they can integrate women into the arts and into their understanding of larger cultural relationships. (Cross-listed ART 409)

WMST 410**Feminist Theory (4)**
SPRING

Prerequisite: WMST 101 or HUMN/WMST 310.

Feminist theories developed to explain women's subordinate position in society and current trends in feminist thought. Includes psychoanalytic feminism, feminist literary criticism and cross-cultural views of feminism. (Cross-listed HUMN 410)

WMST 414**Gender and Communication (5)**
FALL

[satisfies cultural and gender diversity university graduation requirement.]

Prerequisite: One 300-level course in Communication or Women's Studies or permission of the instructor.

This course examines current research on the interactions among language, gender and communication in contemporary social and cultural contexts. (Cross-listed CMST 414)

WMST 415**Gay, Lesbian, Bisexual and Transgender Studies (5)**

[satisfies cultural and gender diversity university graduation requirement.]

Prerequisite: One course in or cross-listed with Women's Studies.

This course consists of a theoretical examination of gay, lesbian, bisexual and transgender identities. The course material will include texts from queer theory and a wide variety of academic disciplines. (Cross-listed HUMN 415)

WMST 417**Women and Ethics (5)**

[satisfies cultural and gender diversity university graduation requirement.]

Prerequisite: At least one of the following: WMST 101 or 310 or PHIL 211 or 212.

The course will begin with a brief examination of the treatment of women within traditional ethics. We will then address the views of early women philosophers, followed by a close analysis of contemporary feminist approaches to ethics. (Cross-listed PHIL 417)

WMST 419**Sex, Sexuality, and Communication (5)**

Prerequisite: One WMST course or CMST course.

This seminar examines the construction of sexuality and sexual identity through communication, with a focus on the relationship between public policy and private sexuality. (Cross-listed CMST 419)

WMST 424**Equity and Equality in the Workplace (3)**

Prerequisite: ENGL 201.

This course examines feminist theory, the law and business management theories as they apply to equality and equity in the workplace. The course is an integrated approach to business and gender issues. (Cross-listed MGMT 424)

WMST 426**Economics of Poverty and Discrimination (5)**

[satisfies cultural and gender diversity university graduation requirement.]

Prerequisite: Junior standing.

Causes of poverty and evaluation of anti-poverty programs. Examines economic theories of discrimination from different perspectives with a particular focus on issues of gender and race. (Cross-listed AAST 424, ECON 424)

WMST 427**The Economics of Women and Work (5)**

FALL

[satisfies cultural and gender diversity university graduation requirement.]

Prerequisite: Junior standing.

Economic impact of the increasing participation of women in the paid labor force of the United States. Economic theories of labor force participation, discrimination and occupational segregation. Current issues such as comparable worth, affirmative action, nontraditional careers, corporate policies, sexual harassment, child care and social welfare programs. (Cross-listed ECON 427)

WMST 430**From Mammies to Jemimas: The Black Women's Struggle (5)**

Prerequisite: English 201 or permission of the instructor.

The unique struggle of black women in America begins in the time of slavery from which we still feel the impacts today. Although the feminist movement has made many strides for women in America, the black woman is subjected to a special set of obstacles and circumstances. This course examines historical writings written by and about black women. The course will discuss slavery, lynching, combating prejudices and encouraging racial pride to give course participants a framework that will deepen their understanding of black women and their writing. (Cross-listed AAST 430)

WMST 440**Women and Philosophy (5)**

Prerequisite: At least 4 credits in WMST and/or PHIL.

The course offers an examination of the treatment of concepts relating to women and femininity, both by traditional philosophers and by more recent feminist philosophers. The course will address key issues within philosophy while simultaneously exploring the role of gender in the production of philosophical knowledge. (Cross-listed PHIL 440)

WMST 448**Gay and Lesbian Issues for the Social Work Practitioner (3)**

Prerequisite: ENGL 201 or permission of the instructor.

Designed to assist professionals who may encounter lesbian, bisexual, gay and transgendered individuals as clients. The course educates and suggests counseling approaches helpful to gays and lesbians and explores available support systems. (Cross-listed SOWK 448)

WMST 450**Women and Social Reform (3)**

Prerequisites: Upper-division standing, ability to handle 400/500 level analysis, writing and seminar participation.

Activities and accomplishments of women working toward social change. Strategies and tactics of organizing communities and society that have been undertaken to improve the status of women and other disadvantaged groups. Reform movements, issues or actions covered include suffrage, abolition, neighborhood development, ERA and unionization. Current issues and organizations related to changes for women in society. (Cross-listed SOWK 450)

WMST 452**Gender and Sexual Assault (4)**

Prerequisite: ENGL 201.

This course addresses contemporary concerns about sexual assault, primarily, but not exclusively, against women. Feminist perspectives on gender socialization and sexual violence provide frameworks for understanding personal and societal responses to sexual violence. Dynamics of trauma and recovery, treatment, prevention and change strategies will be discussed. (Cross-listed SOWK 452)

WMST 467**Contemporary Women's Fiction (5)**

Prerequisites: Grades of 2.5 or better in ENGL 270 and ENGL 271 for major; permission of instructor for non-majors.

Looks at changing perspectives in women's fiction from the 1970s to the present. (Cross-listed CRWR 467, ENGL 467)

WMST 468**History of Modern American Women (4)**

This course explores the history of women in America from the 1900s to the present through the use of a wide range of contemporary documents that allow a variety of women of the immediate past to speak for themselves. (Cross-listed HIST 468)

WMST 471**Human Rights and Women's Rights (4)**

Prerequisite: ENGL 201 or permission of the instructor.

Examines the history of human rights and dignity, the United Nation as framework, human rights of women (violence against women, health, housing, education), children's rights, and approaches to achieve social justice, locally and globally. (Cross-listed SOWK 471)

WMST 475**Women's Writing in Latin America (4)**

Prerequisites: SPAN 203 or equivalent and SPAN 321 or HIST 365.

This course offers an introduction to women's writing in Latin America, focusing on narrative productions of the 20th century. We will discuss issues such as feminine representation and identity, women's perspective and subjectivity through the reading and analysis of contemporary texts by Latin American women. (Cross-listed SPAN 475)

WMST 483**Sociology of Children (5)**

Prerequisite: SOCI 101 or 361.

Addresses children and childhood from the preschool years through adolescence. Examines historical shifts in the meanings of childhood and the methods used for studying the worlds of children. Explores the theoretical approaches to child development and socialization and how these can be used to understand children's experiences in different cultural settings and situations. (Cross-listed SOCI 483)

WMST 490**Senior Capstone Seminar (4)**

Prerequisites: [WMST 101 or WMST 310] and [one additional WMST course of 3 credits or more] and [ENGL 201].

The advanced student of women's studies consolidates and synthesizes feminist scholarship in the seminar. Working collaboratively, instructor and students draw together scholars and their work in numerous disciplines, relating them and drawing conclusions about the nature of society and feminist reality.

WMST 495**Internship (1-5)****WMST 498****Seminar (1-5)**

Academic Resources

Academic Advising

General Undergraduate Academic Advising Office
302 Sutton Hall
(509) 359-2345

Academic Advisors will assist with academic planning, major exploration, prerequisite checking and identification of appropriate course sequencing. They also will refer to additional support services on campus as needed.

The Academic Advisors in the Office of General Undergraduate Academic Advising provide academic planning assistance to all students who have earned fewer than 90 credits and who have not yet declared a major. Students who have declared a major receive academic advising from an advisor in that program or department.

Academic advising and a registration authorization are required for all students until sophomore status (earned 45 quarter credits). All other students are strongly encouraged to take advantage of academic advising to stay informed about changes in University and program requirements.

Departmental Advising

Undergraduates who have declared a major will be assigned a program advisor. See the information under "Declaring a Major and Minor" in this catalog. All undergraduates are required to declare a major by the time they have completed 90 quarter credits.

Graduate Studies Advising
Graduate Studies Office
206 Showalter Hall
(509) 359-6297

The Graduate Studies Office provides general information for prospective graduate students including anyone pursuing interdisciplinary studies at the graduate level. The Graduate Studies Office oversees all policies and procedures for graduate education and is the clearinghouse for admissions, candidacy, degree completion and academic appeals. Please see the general information on Graduate Studies in the front of this catalog for detailed information.

Academic Support Center

111 Monroe Hall
(509) 359-2487

Staffed by professionals who are committed to student success, the Academic Support Center emphasizes independent scholarship abilities in small collaborative group discussions. Types of guidance include:

- Using effective study strategies
- Using effective test-taking techniques
- Time management
- Establishing priorities
- Using visual organizers to focus thinking
- Reading to identify main ideas
- Writing summaries
- Clarifying career and life choices
- Participating in collaborative learning groups.

PLUS Program Leading to Undergraduate Success
111 Monroe Hall
Aaron Brown (509) 359-6145

The PLUS program offers free collaborative study groups for undergraduate students. These discipline-specific study groups are designed to help students identify and develop learning skills for college success. Active learning and peer tutoring has been shown to increase students' performance in higher education. Participants will:

- Develop a repertoire of study strategies to apply to many learning tasks
- Participate in a fun, productive environment
- Achieve higher grades
- Meet students from the same discipline

Computer Resources and Laboratories

On the Cheney Campus, an open computer lab is available in the Pence Union Building (PUB) to all students who have paid the technology fee. Computer facilities are also available to students at the Riverpoint campus and the Higher Education Center in Spokane.

Academic programs in psychology, physics, computer science, engineering and design, art, music and business house special purpose computing labs. Computer Science includes state-of-the-art parallel processing and graphics computer labs. Internet access is available throughout the systems' facilities.

Enterprise Systems
Huston Hall
(509) 359-2247

Enterprise Systems provides information technology services to students, faculty and staff. Enterprise Systems includes 1) Information Resources and Information Technology Consultation, 2) Student Help Desk 3) Multimedia Activities Resources Services (MARS), 4) Student Computing Resources and 5) Classroom Technology Services. Enterprise Systems specialists assist the campus community with a wide range of technology-mediated activities.

(1) Information Technology Consultation

Enterprise Systems staff offer consultation and training on the most effective use of campus technology infrastructure including e-mail, calendar, WWW, desktop hardware and software and the campus area network. In addition, consultations are available on applications systems, databases, software and hardware.

(2) Student Help Desk

Assistance with technology related questions is available by walking up to the Help Desk located in the lower level of the library. Answers to technology related problems are available online. Ask questions of support staff by dialing 359-6411 or emailing tech-eze@mail.ewu.edu

(3) Multimedia Activities Resource Services (MARS)

MARS supports the application of digital multimedia in academic and administrative areas across campus. Multimedia tools, software applications, and professional design consultation and training are all available in a creative environment. The advanced workstations at MARS provide high quality multimedia software, scanners, audio/video editors and libraries of digital images. Eastern employees and students can take full advantage of the MARS facilities to produce quality multimedia presentations. Presentation packages and cameras are available for check out.

(4) Student Computing Services

Enterprise Systems manages Eastern's two university computing labs, where students, faculty and staff have access to more than 150 computers and to lab consultants. Intel-based Pentium PCs and Apple Power Mac computers are available in the labs, as well as scanners, black and white and color printers.

The computer labs provide a standard set of software that includes multiple Web browsers, Microsoft Office and other multimedia capabilities. Special curriculum needs are handled by request. The Labs are located in 359 PUB, and 127 Spokane Center. Visit the website www.ewu.edu/labs for detailed information on the labs and the services available.

(5) Classroom Technology Services

Eastern has three types of high tech classrooms: Enhanced Classrooms, Televideo Classrooms and Computer Classrooms. These are general university classrooms scheduled through the Records and Registration Office prior to the start of each quarter.

The Enhanced Classrooms allow a wide variety of multimedia sources to be projected on large format screens installed in the room. These rooms are designed to facilitate multimedia presentations as a primary function.

The Televideo Classrooms provide two-way compressed video conferencing through the statewide K20 Telecommunications network. These rooms are designed to facilitate distance learning.

The Computer Classrooms provide a teaching environment where the instructor and each student have a computer station connected to a server and the campus network. These rooms are designed to facilitate hands-on lectures requiring computer interaction.

Classroom Technology Services provides technical coordination, consulting and training for the use of equipment located in the technologically equipped classrooms. Consultation is also provided on the design of new technologically equipped classrooms and the acquisition of multimedia equipment.

Professional Design And Photography Services (provided by University Graphics)

303 Monroe Hall
(509) 359-2435

Graphic design specialists can create a variety of high quality projects for faculty and staff. Projects include digital presentations, slide shows, web design, video modules, color overheads and prints, poster presentations and research publications.

Photographic services include location and studio photography using digital or traditional cameras, digitizing and enhancing photographic images and artwork, copying slides from books and copying other flat or 3-dimensional items.

Ronald E. McNair Scholar Program

107 Monroe Hall
(509) 359-2465/2471

The McNair Scholar Program is funded by Congress through the U.S. Department of Education to provide opportunities for undergraduates to define their goals, engage in research and develop the skills and student/faculty mentor relationships critical to success at the doctoral level. McNair Scholars participate in paid research internships with faculty mentors in their majors and attend seminars on GRE preparation and application to graduate programs.

Applicant Requirements

- sophomore standing and above
- a cumulative GPA of 2.8 overall and 3.0 in the major
- US citizen or permanent US resident
- first generation college student from a low-income background or belong to a group under-represented in doctoral studies (African-Americans, Native Americans and Hispanics).

Student Support Services (SSS)

111 Monroe Hall
(509) 359-2487

Student Support Services (SSS) helps students who are low-income and first generation to stay in college until they earn a baccalaureate degree. Students participate in group activities that emphasize learning how to learn. For example, the math component adjusts for learning styles and pace so that math concepts are mastered.

Writers' Center

354 PUB
(509) 359-2779

The Writers' Center offers thoughtful response to writers at any stage in their writing processes. Writers from across the disciplines are invited to participate in one-on-one sessions with Professional Responders or to choose from a variety of workshops. These workshops enable students to become more adept at error-free writing, reading, and creative writing, thesis preparation, use of style books and resumé writing. The Cheney Writers' Center is in PUB 354, at (509) 359-2779. Appointments are available Monday-Friday. Response sessions in Spokane are also available with special arrangements from programs there. All Writers' Center services are free of charge.

Centers of Excellence

Honors

204 Hargreaves Hall
(509) 359-2822

The Honors Program at Eastern is an integrated four-year program of academically challenging courses for superior students. The Honors Program invites applications from high school seniors and from the diverse population of students on campus, including transfers, commuters and nontraditional students. Freshman Honors courses satisfy six of the general education core requirement courses. Upper-division Honors includes 398 courses, a senior capstone as well as an Honors sequence for transfer students. Students who complete the Honors curriculum requirements receive special recognition at graduation.

Acceptance into Honors improves the chances of receiving academic scholarships. Enhanced course work, mentoring with outstanding faculty members and emphasis on writing and critical thinking skills across the University curriculum significantly strengthen applications for graduate programs and employment.

Inland Northwest Center for Writers

Spokane Center
(509) 623-4221

The Inland Northwest Center for Writers offers an undergraduate emphasis in creative writing within the English major, as well as a Master of Fine Arts degree that is recognized as one of the outstanding programs in the country. Many of the students admitted to the selective MFA program receive support to pursue their studies. The undergraduate and graduate creative writing courses in poetry, fiction and nonfiction are taught by resident faculty, all of whom are practicing writers with numerous and nationally recognized book publications.

In addition to its regular courses, the creative writing program offers internships with the Center's literary journal, *Willow Springs*, and also affords students the opportunity to edit and produce a publication of the undergraduate program, *Northwest Boulevard*. Committed junior and senior students may involve themselves with the Writers-In-The-Community Project,

a program that takes student interns as creative writing instructors into area schools, prisons, community centers, half-way houses and other institutions.

The Center also features a regular schedule of visiting writers who make a public appearance in downtown Spokane and meet with students. Recent visitors include Jo Ann Beard, Patricia Hampl, Robert Hass, Yusef Komunyakaa, Thomas Lux, Richard Nelson, Tomas Salamun, James Welch, John Edgar Wideman, Phillip Loplate, Rick Bass, as well as the Nobel Prize winner, Czeslaw Milosz.

Music

119 Music Building
(509) 359-2241

The Music Program offers undergraduate and graduate programs in voice, instrument, composition and education. Students from a wide range of academic programs participate in the instrumental and vocal groups led by members of the Music Department faculty. The Music Program's status as a University Center of Excellence enhances its ability to contribute to the cultural life of the region and university. Outreach includes a partnership with the Spokane Symphony Orchestra that features many faculty, alumni and students and participation in the Centers of Excellence Academy. Student composers and musicians write and perform pieces that reflect the theme of the Center of Excellence Academy, which is a year-long exploration of ideas through invited speakers and authors, common readings and music, culminating in an address by a keynote speaker.

Diversity Programs

Africana Education Program

204 Monroe Hall
(509) 359-2205

The Africana Education Program is an academic and student service program. The Africana Education Program develops and teaches courses in Africana Studies, provides recruitment, support and retention services and conducts research into the African American experience. All courses, services and events provided by the program are open to all EWU students.

Africana Studies courses are designed to promote understanding and appreciation of the African American experience as it unfolded over time and as it is currently manifested. The program uses the Afrocentric world view as the philosophical basis for the presentation of its courses.

The Africana Education Program provides academic and non-academic student support services including academic advising, scholarships, scholarship information and mentoring. The program assists students, faculty and staff in understanding African American culture and issues. The program sponsors speakers and events and recognizes national African American holidays.

American Indian Studies Program

2 Indian Education Center
(509) 359-2441

The American Indian Studies Program at Eastern serves about 200 students, the largest enrollment of American Indians at the three regional state universities in Washington. Its purpose is to make university life a positive growth experience that expands students' perspectives and vocational horizons. Student services offered through the program include:

- Academic planning
- Tutoring
- Career counseling

- Housing and job referral
- Financial aid and scholarship workshops
- University orientation
- Personal and academic counseling
- Cultural awareness workshops
- Assistance with admissions
- Research and reference materials on American Indians.

American Indian Studies offers fifteen courses and a minor. The American Indian Education Center is home of the American Indian Studies Program and the Native American Student Association.

Chicano Education Program (CEP)

203 Monroe Hall
(509) 359-2404

The Chicano Education Program (CEP) is both an academic and a student recruitment and retention program. CEP's academic focus is on providing all students, regardless of ethnicity, an opportunity to become familiar with the Chicano/Latino Community and issues. This is accomplished through CEP's Chicano Studies 25-credit undergraduate minor. Several Chicano Studies courses fulfill EWU's cultural diversity requirement. CEP actively participates with the National Association for Chicana/Chicano Studies, stages numerous cultural and art exhibitions and operates a speakers' forum all of which augment the opportunity to learn about the Chicano/Latino community beyond the classroom setting.

CEP's student recruitment focuses on increasing the participation of Chicanos/Latinos in higher education. CEP actively recruits Chicano/Latino students from high schools and community colleges, and helps prospective students complete their admissions process at EWU.

Retention efforts include:

- Scholarships and scholarship information
- Mentoring opportunities
- College orientation class
- Tutoring
- Academic advising
- Student advocacy
- Efforts focusing on creating a sense of community for Chicano/Latino students at EWU
- Social/cultural programs.

CEP publishes an electronic quarterly newsletter, Q-VO, which informs students, parents and the community about program activities. The CEP houses the College Assistance Migrant Program (CAMP), which is designed to recruit and retain migrant students during their first year of college at EWU. CAMP provides an array of academic support services and financial assistance to program participants.

Women's Studies Center Programs

207 Monroe Hall
(509) 359-2847

The Women's Studies Program at Eastern encompasses an academic and a resource center component, with an interdisciplinary minor comprised of courses that explore both previously neglected material and new research material about women and their roles in society. The academic program has also introduced a Gender Studies Certificate that offers an interdisciplinary, critical study of gender and its social impact and a new BA in Women's and Gender Studies.

The resource center under the Women's Studies program provides:

- A comfortable place for women to meet
- A varied series of lunch hour presentations
- HOME (Helping Ourselves Means Education) networking program for low income, nontraditional student parents
- Agency referrals

Educational Outreach

Division of International and Educational Outreach

300 Senior Hall
(509) 359-4222
www.ewu.edu/deo

Providing a variety of innovative lifelong learning opportunities, Eastern's Division of International and Educational Outreach serves students, working professionals and the community with programs that include:

- EWU @ BCC www.ewu.edu/bcc
- The EWU Press www.ewu.edu/ewupress
- The Get Lit! Literary Festival www.ewu.edu/getlit
- Independent Learning www.ewu.edu/independentlearning
- Interdisciplinary Studies www.ewu.edu/itds
- International Education www.iss.ewu.edu
- International Field Studies/Eisenhower Center www.ewu.edu/eisenhowercenter
- Professional Development <http://professional.ewu.edu>
- Running Start (for High School students) www.ewu.edu/runningstart
- Summer Session www.ewu.edu/summer

Eastern Washington University (EWU) @ Bellevue Community College (BCC)

3000 Landerholm Circle SE, Mailstop House 101
Bellevue, WA 98007
(425) 564-5100
www.ewu.edu/bcc

EWU and BCC are collaborating to serve the BCC student body and regional population with career advancement opportunities through high-quality baccalaureate degree completion programs. On April 1, 2005, the two schools formally committed to the creation of Eastern Washington University @ Bellevue, a university center on the BCC campus offering upper division level courses that lead to four of EWU's baccalaureate degrees:

- BA in Business Administration
- BA in Children's Studies
- BA in Interdisciplinary Studies
- BS in Applied Technology

The EWU Press

705 W 1st Avenue
Spokane, WA 99201
(509) 623-4286 or Toll Free (800) 508-9095
www.ewu.edu/ewupress

The Eastern Washington University Press publishes innovative works that possess freshness in language and theme. It supports and extends the intellectual, educational and public roles of the University through publications for academic and public audiences, the sponsorship of literary festivals, the presentation of literary prizes, student internships and outreach to schools and civic groups. A central aspect of the EWU Press' mission is the

publication of works that address the history, culture, literature and public policy of the Inland Northwest and Northern Rocky Mountain regions.

The Get Lit! Literary Festival

705 W 1st Avenue
Spokane, WA 99201
(509) 623-4286
www.ewu.edu/getlit

Get Lit! is the northwest's premier annual literary festival, and is coordinated by Eastern Washington University Press. The festival includes readings, writing workshops and panels, school visits through eastern Washington and into northern Idaho, youth poetry slams and more. Many events are free and all are open to the public.

Independent Learning

300 Senior Hall
(509) 359-2268 or Toll Free (800) 924-6606
<http://il.ewu.edu>

Eastern's Independent Learning (IL) program offers more than 50 courses in 21 academic areas. Independent Learning is open to anyone with a desire to learn and the motivation to study independently. The program is ideal for current students, working professionals and others seeking to update their skills and enhance their careers. Courses are available in print-based or online formats and are evaluated by EWU-approved faculty. IL courses are offered either quarter-based or self-paced. Self-paced courses are available in an open enrollment system, which allows students to enroll at any time. IL courses are offered in the following academic departments:

- Accounting
- Africana Studies
- Communication Studies
- Counseling, Educational and Developmental Psychology
- Creative Writing
- Education
- English
- Food and Nutrition/Dietetics
- Geography
- Government
- Health Education
- History
- Human Resources
- Humanities
- Mathematics
- Occupational Therapy
- Philosophy
- Physical Education
- Psychology
- Recreation and Leisure Services
- Sociology
- Urban and Regional Planning
- Women's Studies

New IL courses are being developed on a regular basis and print-based courses are being converted to online delivery. Visit the Independent Learning website at <http://il.ewu.edu>

Interdisciplinary Studies

300 Senior Hall
(509) 359-2402
www.ewu.edu/itds

The Interdisciplinary Studies program offers a baccalaureate degree for students seeking a broad background applicable to numerous career fields. The program has the following options: Liberal Arts (Option A), Prior learning (Option B), and Interdisciplinary Studies (Option C), as well as Interdisciplinary Studies, Option C: Occupational Therapy Track and Interdisciplinary Studies, Option C: Philosophical Studies.

In addition to offering degree programs, Interdisciplinary Studies also provides venues for obtaining university level credit that include prior learning assessment, challenging courses for credit and contracted learning.

For more information contact the Interdisciplinary Studies Program, 300 Senior Hall, EWU, Cheney, WA 99004-2414; phone (509) 359-2402 or visit the website at www.ewu.edu/itds.

International Education Office

127 Showalter Hall
(509) 359-2331
www.iss.ewu.edu

The International Education Office consists of two areas, International Student Services and Study Abroad that together promote a culturally diverse learning environment on the campus and in the community.

The International Student Services staff provides an array of essential services and programs – academic, immigration, as well as social and cultural – to assist international students, faculty, and scholars, and their families, in achieving their educational, professional, and personal objectives. The office supports faculty exchange opportunities and can help in bringing international faculty and scholars to the EWU campus.

EWU students can enhance their education by studying at an accredited university or language program or completing a directed/independent study opportunity while overseas. Students may choose from programs in nearly every country of the world. The most popular destinations for Eastern students are Australia, New Zealand, Spain, Mexico, Japan and Costa Rica.

International Field Studies/Eisenhower Center

300 Senior Hall
(509) 359-6275 or Toll Free (800) 541-2125
<http://ec.ewu.edu>

Since 1980, students participating in educational travel have earned valuable academic credit through Eastern Washington University's Eisenhower Center. Named after President Dwight D. Eisenhower, the Center offers a variety of courses designed to:

- Enhance student understanding of foreign people and places
- Teach students to develop confidence in themselves as world observers
- Encourage students to gain an appreciation of higher education as an important partner in achieving future goals
- Provide students with an academic transcript containing college-level courses to help set themselves apart in today's highly competitive university admissions process

Courses are also open to current Eastern students who travel on short-term programs. The Eisenhower Center offers post baccalaureate, graduate credit for teachers and adult professionals who travel.

Professional Development

300 Senior Hall
(509) 359-7380 or Toll Free (800) 331-9959
<http://professional.ewu.edu>

Professional Development

The Office of Professional Development has a proven track record on delivering learning opportunities for working professionals. Experienced practitioners collaborate and present education strategies in line with client companies' corporate objectives. Courses are available for employees at all levels and are delivered on-site, or at Eastern's training facilities, day or evening. Training program topics include Advanced Project Management, Customer Service, Leadership, Suicide Prevention and Supervisory Skill training.

Credit Option and Continuing Education Unit courses

Credit Option courses provide expanded educational opportunities to individuals seeking specialized courses in a condensed, flexible and affordable forum. Credit Option courses are designed to address the needs of professionals seeking career change, advancement and specialized certification or endorsement(s). Popular course emphasis includes:

- Behavior Sciences
- Computers and Technology
- Educational Strategies and Management
- Languages
- Recreation & Leisure Studies
- Physical and Health Education

Continuing Education Units (CEUs) are recorded by EWU and certificates of completion are awarded to participants. CEUs are available with application and transcript recording fees.

Running Start (for high school students)

120 Showalter Hall
(509) 359-6155
www.ewu.edu/runningstart

Running Start provides an opportunity for juniors and seniors in Washington's public high schools to enroll in courses at Eastern Washington University. The program, created by the state legislature, offers academically motivated and qualified students the opportunity to take college courses as part of their high school education.

Students may supplement their high school curriculum with one or two courses per quarter or take all of their classes at Eastern -- up to 18 credits per quarter. If eligible for the program, they earn both high school and college credit for the college-level classes they successfully complete. Tuition for Running Start classes is covered by each student's school district.

Summer Session

120 Showalter Hall
(509) 359-4860
www.ewu.edu/summer

Eastern's Summer Session is a time for recent high school graduates to get a head start on their college careers, for continuing students to take a course that moves them closer to graduation, for professionals to earn recertification credits and for anyone who wishes to learn something new.

The benefits of Summer Session include:

- More Time – graduate early or catch up on courses you need to graduate on time
- Easy Access – to high-demand core, competency and GEGR classes
- Flexible Scheduling – courses are offered in weekend, 1-, 4- and 8-week sessions, at convenient times and locations

- A Lighter Load – the ability to lower credit loads during the academic year when you include Summer classes and still graduate on time

Plan Ahead

Students should talk to their financial aid and academic advisors today about Summer Session. Registration begins in April with Summer Session starting in June (following the close of Eastern's Spring quarter). Visit www.ewu.edu/summer for program announcements and news updates.

Important Note: Summer Session is a self-support program. Students pay for all credits taken – there is no tuition cap after 10 credits.

Libraries

John F. Kennedy Library

100 LIB
(509) 359-2264

The Eastern Washington University Libraries consist of the John F. Kennedy Library, which is the main university library on the Cheney campus, and the Riverpoint Campus Library in Spokane at Riverpoint. The Libraries provide state-of-the-art communications for global information resources, maintain a book collection of over 700,000 volumes, more than 5,000 print and electronic journals, and serve as a selective depository for the state and federal government with over 800,000 documents.

The EWU Libraries' online catalog provides access to the catalog of EWU as well as a combined catalog of thirty-two college and university libraries in Washington and Oregon. Students use the library system to search periodical indexes, reference works and full-text documents. The library system can be accessed at www.ewu.edu/library. Assistance with new technological tools and traditional research materials is available from reference librarians in the Kennedy Library and Riverpoint Campus Library. These librarians also provide class instruction to keep students up-to-date on research tools.

Students can obtain materials not held by EWU by submitting requests electronically or in person to Interlibrary Loan Services.

Riverpoint Campus Library

PO Box 1495
Spokane, WA 99210
(509) 358-7930

The Riverpoint Campus Library, located in the new Academic Center at the Riverpoint campus in Spokane, supports the Spokane-based programs of Eastern Washington University and Washington State University. It offers a full range of reference and interlibrary loan services and electronic access through the library system to the world of information.

Student Life

Associated Students of Eastern Washington University (ASEWU)

303 PUB
(509) 359-2514

The Associated Students of Eastern Washington University (ASEWU) consists of the entire student body. Eastern students are represented by a council of twelve elected members — a president, executive vice president, finance vice president, and nine council members. It is the responsibility of these officials to represent the interest of all students at EWU. Members confer with administrators, attend meetings and serve on a wide variety of committees dealing with such campus issues as academics, accreditation, student services,

student health, childcare, safety and athletics. Student representatives are elected to office during winter quarter and members officially begin their term at the end of spring quarter. These are paid positions.

The student government offices are located in the Pence Union Building, third floor, room 303. Students are encouraged to bring their suggestions, concerns and questions to their elected officers. These representatives are here to serve all Eastern students.

Athletics at Eastern

207 Physical Education Classroom Building
(509) 359-2463 - 1-800-648-7697
www.ewu.edu/athletics

Eastern's athletic program is a vital part of campus life, with six intercollegiate sports for men and eight for women. Eastern's program provides training and competition for athletically talented students and entertainment for other students and the general community.

Exciting intercollegiate spectator sports are provided through Eastern's participation in Division I NCAA Big Sky Conference competition pitting Eastern teams against institutions such as the University of Montana, Montana State, Sacramento State and Northern Arizona. Division I sports include:

- Football, men's
- Basketball, men's and women's
- Cross country, men's and women's
- Indoor/outdoor track and field, men's and women's
- Tennis, men's and women's
- Golf, women's
- Soccer, women's
- Volleyball, women's

Home football games are played at Woodward Field on the Cheney campus, while basketball and volleyball games are held in Reese Court, the 5,000-seat centerpiece of Eastern's Sport and Recreation Center. Indoor track meets are staged in the Thorpe Fieldhouse, and outdoor track meets are held at the Woodward Field track. New additions include an eight court state-of-the-art tennis complex.

Clubs and Organizations

320 PUB
(509) 359-4711

Join a campus club or organization for a great learning experience. Today's job market demands more than just good grades. Employers are looking for students who have been involved in their campus community.

With an average of more than 100 student organizations on campus each school year, Eastern offers something of interest to everyone. Choose from cultural/ethnic groups, academic major-related clubs, academic fraternities, social fraternities, and sororities, political/social action organizations, recreation groups, religious/spiritual organizations, service/philanthropic clubs and sports teams.

Besides the many clubs and organizations already in existence, students are welcome to form a new organization. Stop by the office of Student Life and see the advisor for Student Organizations to learn how. The benefits of being a recognized group include:

- Access to meeting rooms
- Mailboxes
- Event funding
- Access to Associated Students of Eastern Washington University (ASEWU) poster-making supplies

- Free class and club accounts
- A free organization e-mail account
- Access to advertising
- External web page linked to the University Home Page
- Supplemental funding from the ASEWU
- Regular ASEWU funding

For more information contact the advisor for Student Organizations in PUB 320. Call (509) 359-4711 or (509) 359-2292.

Dean of Students/Associate Vice

President for Student Life

Richard L. Meier, EdD

320 PUB

(509) 359-2292

The dean of students provides leadership and assistance in a variety of areas affecting the quality of student life at Eastern Washington University. The dean oversees Student Life which is comprised of the Office of Student Activities (Campus Programs, Clubs and Organizations, Greek Life, Outdoor Programs and Intramurals and Club Sports), the Office of Residential Life, the Office of Disability Support Services, the Office of Student Rights and Responsibilities (Judicial Programs, Academic Integrity, Student Conflict Resolution, Student Legal Services and Campus Outreach), Health, Wellness, and Prevention Services, and Counseling and Psychological Services, and Student Life Accounting. The dean encourages initiatives in those areas and supports active student involvement in campus activities and leadership development opportunities. The dean serves as the primary administrative liaison with the Associated Students of Eastern Washington University. The dean of students also provides assistance on matters of student welfare at the University. The dean and staff work closely with the University Community to maintain a safe environment for students.

Epic Adventures

1123 Elm St.

(509) 359-7920

www.epic.ewu.edu

Nestled within the beautiful Inland Northwest, EWU is located a short drive from numerous world-class outdoor recreation destinations. Epic Adventures regularly utilizes these resources as outdoor classrooms. Get involved with Epic Adventures to learn life long skills, enhance self confidence, meet new friends and visit exciting and beautiful places.

Epic Adventures is an integral component of the Office of Student Activities and is sponsored by the Associated Students of EWU. The staff of Epic is committed to providing outdoor recreation opportunities that are fun and educational for the students, staff and faculty of EWU. Some of the opportunities Epic Adventures offers the Eastern community include:

- Field experiences and instructional programs in rock climbing, whitewater rafting and kayaking, canoeing, backpacking, mountaineering, alpine skiing and snowshoeing, ice climbing, snow camping, fly fishing and more
- Quality outdoor equipment rentals at affordable prices
- Outdoor Resource Center, complete with a database and library to assist in planning activities
- Employment and internship opportunities that include hands-on leadership training and skill development

Epic Adventures is located across from Dressler and Pearce Halls at 1123 Elm Street, and is open Monday through Thursday from 11 am–5 pm. Epic Rental Center is open 10 am–5 pm Monday through Friday. Call (509) 359-7910, or check our website at www.epic.ewu.edu.

www.ewu.edu

Greek Life (Fraternity/Sorority System)

320 PUB

(509) 359-4711

Eastern is the only regional university in the state of Washington to host a Greek system. Five fraternities and four sororities surround the campus, providing students with excellent opportunities to develop leadership skills, school pride and social and community involvement.

Two councils govern the Greek system. The Interfraternity Council and the Panhellenic Council serve as communication centers for the exchange of ideas and information and are responsible for keeping fraternity and sorority chapters in compliance with national standards.

The most common way to get involved with the Greek system is through recruitment. Traditionally held the week preceding the start of fall quarter, formal recruitment week allows potential new members and fraternities and sororities to get to know one another as all fraternity and sorority houses host special events. At these special events each fraternity and sorority explains their goals, campus and community involvement and ideals as well as other opportunities unique to the chapter.

An informal recruitment continues throughout the year, with each fraternity and sorority setting up special events for potential members.

More information is available from the advisor for Student Organizations in PUB 320. Call (509) 359-4711 or (509) 359-RUSH.

Social fraternities and sororities are listed below. Eastern also is home to many professional, honorary and business fraternities.

FRATERNITIES

Beta Theta Pi

Phi Delta Theta

Pi Lambda Phi

Sigma Nu

Sigma Phi Epsilon

SORORITIES

Alpha Omicron Pi

Alpha Phi

Alpha Xi Delta

Gamma Phi Beta

Intramural and Club Sports

120 PEA

(509) 359-7877

www.ewu.edu/IMsports

One of the largest student activity programs on campus, the intramural (IM) program has over 5,000 active participants annually. The program provides the EWU community with a wide variety of team and individual sports each quarter. Opportunities for improved physical fitness, social and group interaction, leadership/individual/team skills improvement and most importantly, the chance to have fun are all part of the IM program. Cost is minimal, each team pays a \$20 team entry fee, and activities are held right on campus. Regular leagues generally play twice a week so the time commitment is low. Many leagues offer levels for competitive and recreational play so students of all skill levels may take part. The IM program is a part of Student Life in the division of Student Affairs with funding provided by the Associated Students of EWU.

One of the fastest growing segments of campus life is the EWU Club Sport program. Clubs are offered based on student interest and may be competitive or practice/workout based. Club sports are committed to providing EWU students with the opportunity to participate in the sport of their choice while representing EWU either on or off campus in club competitions. New clubs are added as interest warrants. For more information on EWU Club Sports, contact the IM and Club Sports Office by stopping by PEA 120 or calling (509) 359-7877.

Residential Life

121 Tawanka

(509) 359-2451, (800) 583-3345

The Office of Residential Life is located within the Housing Office in 121 Tawanka. The main responsibility of this office and its staff is to work with the students who live in the residence halls. The staff provides activities, leadership, resources and various other essential elements to help students grow academically as well as socially.

Residential Life ascribes to the Community Standards Model that provides a set of guidelines for residents to live by. The standards model works in conjunction with university/housing policies to help residents create a positive living-learning environment. Residents are asked to become involved in setting up standards. Generally, the students are able to govern their living environment without violating state, federal, local laws and university/housing policies.

The Residential Life staff consists of Residential Life Coordinators (full time live-in professional staff), Community Advisors (full time student staff who live on the floor) and Office/Night Desk (security) workers. In addition, there are various leadership opportunities for students. These include being an executive officer or floor representative to Hall Government, executive officer or hall representative to the Residence Hall Association (RHA) and Students Educating About Life (SEAL). Each year the staff nominates the halls' top leaders to the National Residence Hall Honorary (NRHH). NRHH represents 1% of the residence halls leaders.

Office of Student Rights and Responsibilities (OSRR)

103 Showalter Hall

(509) 359-6960

The Office of Student Rights and Responsibilities serves as the judicial affairs office at Eastern Washington University and is primarily responsible for enforcement of the EWU Student Conduct Code. The OSRR also provides mediation and alternative dispute resolution services for EWU students who are seeking to resolve conflicts with other students and/or members of the EWU community.

Additionally, the OSRR provides students with advice and guidance related to university policies and procedures. The OSRR also serves as the storehouse for academic integrity policy records.

Washington Student Lobby

For more than a decade the Washington Student Lobby (WSL) has existed to protect the interests of students at the state level. This body is a coalition of students from the six public state universities. The Washington Student Lobby has demonstrated time after time its ability to represent students in Olympia on issues as far ranging as tuition policy, financial aid, childcare and to address other concerns of the state's diverse and non-traditional student population. The Washington Student Lobby is among the most respected lobbies in Olympia because of its professionalism, commitment, and dedication for higher education issues. Support WSL by marking "yes" on the quarterly registration form or add it to your account as an optional fee. For additional information on WSL or to find other ways to get involved, contact the ASEWU office located in PUB 303, (509) 359-2514.

Student Publications

Campus Planners

303 PUB

(509) 359-2514

Published yearly by the dean of students, the campus planner is designed as a resource manual relevant to student life at Eastern Washington University. It contains university addresses and telephone numbers, and information on services, activities and programs available at the University. In addition, the planner includes current policies, rules and regulations directly affecting a student's tenure at Eastern. An online version of the handbook is available at www.ewu.edu/x2141.xml and hardcopies are distributed to all new freshman and new graduate students.

The Easterner

119 Hargreaves Hall

(509) 359-6270

Published weekly, The Easterner covers campus news, issues in education, and student life. Call the office for information on how to get involved.

The Focus

303 PUB

(509) 359-2514

The Focus is a daily newsletter published and distributed during the academic school year by the Associated Students of Eastern Washington University. It includes information about campus activities and programs, opportunities (scholarships, internships, jobs), housing, general university announcements, meetings and the popular "swap shop" section.

Student Services

Career Services

114 Showalter Hall

(509) 359-4637

Career Services provides resources for every stage of career development including how to:

- Explore career options
- Arrange an internship
- Find part-time work
- Polish a resume
- Interview with prospective employers.

Career Services includes Career Planning, Internship Programs, Placement File Services and Student Employment.

Career Planning

114 Showalter Hall

(509) 359-6933

Career Planning offers a variety of services and resources to help students make academic and career related decisions that are well informed. These might include deciding on a major, learning about different jobs and choosing a career. Services are also available to assist with job-market preparation.

Career Planning services include:

- Individualized career advising

- Charting Your Course (CYC) a web-based tool to assist students with their career plan
- Career resource library of books and periodicals containing information such as job descriptions, starting salaries, company profiles, etc.

Contact our office for career advising or assistance with any of the services listed above.

Internship Programs

114/115 Showalter Hall
(509) 359-4637

Students may receive academic credit by working in positions related to their major field of study and career interest. Internships help students make a smooth transition from graduation into a career.

An internship provides the opportunity to:

- Explore specific career interests
- Apply classroom learning to workplace projects and assignments
- Test and confirm or reshape career goals
- Enhance a resume and develop workplace skills that employers value

Search for an internship by major through our internship database at www.careers.ewu.edu (click "Student," then "Internship Programs.")

Placement File Services

A placement file can be created to send to prospective employers. It contains basic personal information, information on major/minor course work, letters of recommendation from faculty, employers and internships or student teaching experience.

To start a placement file, call EWU Career Services at (509) 359-2221 or visit our office, 114 Showalter Hall.

Student Employment

114 Showalter Hall
(509) 359-6365

Many Eastern students supplement their income and gain valuable work experience with part-time employment. The Student Employment Office assists students interested in part-time work on campus or in the community. Students may work up to 19 hours per week during the academic year and 40 hours per week during the summer and breaks between terms. Students who receive work study as a part of their financial aid package will be referred to jobs through the Student Employment Office. Positions are available on campus and throughout the region. Work study recipients are encouraged to explore community service opportunities when considering job placement options. Part-time employment information is also available through the Career Services website (www.careers.ewu.edu).

Job search preparation includes:

- Resume preparation workshops and/or individual assistance
- Recruiting interviews by employers interested in hiring new graduates
- Job opportunity listings
- Self-marketing assistance
- Internet career resources with a complete menu of career related sites
- Videotape library with company information, interviewing skills etc.

Financial Aid and Scholarships

Financial Aid and Scholarship Office

102 Sutton Hall, Cheney, WA 99004-2447

Phone: (509) 359-2314 Fax: (509) 359-4330

e-mail: finaid@mail.ewu.edu

www.ewu.edu/financialaid

Introduction

Eastern Washington University provides financial assistance to eligible students in the form of scholarships, tuition waivers, grants, work study and loans. Nearly 75 percent of Eastern students receive some form of financial aid. General information for all students is provided below, followed by separate, detailed information for undergraduate and graduate students. Within each section, information is organized alphabetically.

Additional information is available from the following sources:

- The EWU Financial Aid and Scholarship website at www.ewu.edu/financialaid
- The Financing Your Education brochure, available from the Financial Aid and Scholarship Office
- The Student Guide, available from the Federal Student Aid Programs by calling (800)433-3243

Application Process — All Students

Completion of the following forms is required to receive financial aid:

- Apply for admission to Eastern using the undergraduate, former student returning, or graduate application forms or apply online at www.ewu.edu and click on "EagleNET."
- Apply for financial aid by completing the Free Application for Federal Student Aid (FAFSA). For an electronic application, please access FAFSA on the Web at: www.fafsa.ed.gov. Previous FAFSA on the Web applicants will receive a Personal Identification Number (PIN) from the Federal Processor that can be used to file a renewal FAFSA on the Web. Paper FAFSAs are available from the Eastern Financial Aid and Scholarship Office, high school counselors, and community colleges.

Eligibility Information — All Students

The following conditions must be met to be eligible for financial aid:

- Formal admittance to Eastern
- United States citizenship or permanent residency
- Enrollment in an eligible degree or certificate program
- Must not be in default on any federal education loan or owe a repayment of a federal grant or loan received at any college or university
- Register with the Selective Service, if required by law to do so
- Possess a valid Social Security number
- Complete and submit a promissory note to accept any offer of a student loan (Perkins, Stafford, PLUS)

Undergraduate Students

Application Dates

Official admission to Eastern is required prior to an evaluation for financial aid eligibility. However, applications for admission and financial aid can be made at the same time.

- February 1: Postmark date for the Eastern Washington University scholarship application. Apply online at www.ewu.edu/financialaid, click "EWU Scholarships."

- February 15: FAFSA must be at the federal processor to receive priority consideration for financial aid besides scholarships.
- April 1: Deadline for admission or re-admission to Eastern to be considered for priority financial aid funding.

Applications, except for scholarships, received after these deadlines will be considered. However, since awards are made on a funds-available basis, late applicants may not receive all the aid for which they might otherwise qualify.

Financial Aid Programs

Grants - Grants are based on financial need and do not have to be repaid. EWU offers the following grant programs:

- Federal Pell Grant
- Federal Supplemental Educational Opportunity Grant (FSEOG)
- Federal Challenge Grant
- State Need Grant (SNG)
- Educational Opportunity Grant (EOG)
- EWU Grant

Loans – The federal Perkins Loan, federal Stafford Loan, and federal PLUS Loan programs are available at EWU. Interested and eligible students may also apply for alternative loan and/or Alaska Loan funds.

- The federal Perkins Loan is available to students who demonstrate financial need and enroll full time. The interest rate is five percent and repayment begins nine months after leaving school or dropping below half time status.
- The federal Stafford program provides two types of loan assistance, subsidized and unsubsidized. Students must enroll at least half time to qualify for either loan. Subsidized loans are awarded based on financial need and have deferred interest while the student is enrolled at least half time. Unsubsidized loans are not based on financial need and interest accrual begins at time of disbursement. The interest rate for either loan varies, but cannot exceed 8.25%. Repayment for either loan begins six months after leaving school or dropping below half time status.
- The federal PLUS Loan is for the parent(s) of dependent students and is not based on financial need. However, parents must have favorable credit to qualify. The interest rate varies, but cannot exceed 9.00% and repayment begins once the loan is fully disbursed, regardless if the student is still in school. There is no grace period.
- An alternative loan may be a funding option for those students who reach their annual Federal Stafford loan limits. Visit the Financial Aid and Scholarship Office for more details.
- Alaska Loans are available for Alaska residents. To be considered, contact the Alaska Commission on Postsecondary Education, (800) 441-2962

Work Study – Federal and state work study is awarded to qualified students who demonstrate financial need and request employment on the FAFSA. Work study recipients can work up to 19 hours per week and are paid at least minimum wage.

Miscellaneous Financial Aid Programs

- Short Term Loans – Short term loans are available in the amount of \$300 for up to 60 days the first through seventh week of the quarter (fall, winter and spring) and the first through the fourth week of the eight-week summer session. The program may close earlier if funds are depleted. Students must be enrolled at least half time to qualify. Applications are available in the Financial Aid and Scholarship Office or at www.ewu.edu/financialaid, click “Online Forms.”
- Special Residency – Native American students and active duty military personnel (and dependents) may qualify to pay Washington resident tuition rates. To be considered for Native American Residency, contact the

Office of Records and Registration, (509) 359-2321; active duty personnel contact the Office of Admissions, (509) 359-2397.

- Tuition Waivers – Tuition waivers may be available to qualified non-Washington resident students. EWU offers Idaho Reciprocity and participates in the Western Undergraduate Exchange Program. To be considered for these awards, contact the Financial Aid and Scholarship Office.
- Veteran’s Benefits and ROTC – Students who served in the Armed Forces may be eligible for veteran’s benefits. Contact the Veteran’s Services office, (509)-359-7040 or visit www.gibill.va.gov for details. Funding is also available through ROTC for students interested in military science. Contact ROTC, (509) 359-6110, for details.

Scholarships - Undergraduate Students

EWU Scholarships

EWU scholarships are awarded to students who have demonstrated academic and community service excellence. To be considered for a scholarship, complete the EWU Scholarship Application form on or before February 1 for the following academic year. Apply online at www.ewu.edu/financialaid, click “EWU Scholarships,” or pick up an application in the Financial Aid and Scholarship Office. Supplemental materials are also required.

A list of separate departmental scholarships and private, non-EWU scholarships are also available on our website.

International Student Waiver Scholarships

A limited number of tuition awards may be available on a merit basis to international students. For more information, contact the International Education Office, 127 Showalter Hall, (509) 359-2331.

Scholarships for Disadvantaged Students (SDS)

The Scholarship for Disadvantaged Students is available to students demonstrating a high financial need and participating in the Social Work or the Dental Hygiene Program. Interested students should complete the FAFSA process and contact their program for details and application information.

Graduate Students

Application Dates

Official admission to a graduate program is required prior to an evaluation for financial aid eligibility. However, applications for admission and financial aid can be made at the same time. Students taking prerequisite courses for entry into a program may also be eligible for federal loans.

- February 1: Postmark date for the Eastern Washington University scholarship application. Apply online at www.ewu.edu/financialaid, click “EWU Scholarships.”
- February 15: FAFSA must be at the Federal Processor to receive priority consideration for financial aid besides scholarships.
- March 1: Deadline for Graduate Service Appointment (GSA) applications (see below).
- April 1: Deadline for graduate admission to Eastern to be considered for priority financial aid funding.

Applications, except for scholarships and GSA awards, received after these deadlines will be considered; however, since awards are made on a funds-available basis, late applicants may not receive all the aid for which they might otherwise qualify.

Financial Aid Programs

Loans – The federal Perkins loan and federal Stafford loan programs are available at EWU. Interested and eligible students may also apply for Alternative Loan and/or Alaska Loan funds.

- The federal Perkins loan is available to students who demonstrate financial need and enroll full time. The interest rate is five percent and repayment begins nine months after leaving school and dropping below half time status.
- The federal Stafford program provides two types of loan assistance, subsidized and unsubsidized. Students must enroll at least half time to qualify for either loan. Subsidized loans are awarded based on financial need and have deferred interest while the student is enrolled at least half time. Unsubsidized loans are not based on financial need and interest accrual begins at time of disbursement. The interest rate for either loan varies, but cannot exceed 8.25%. Repayment for either loan begins six months after leaving school or dropping below half time status.
- An alternative loan may be a funding option for those students who reach their annual Federal Stafford loan limits. Visit the Financial Aid and Scholarship Office for more details.
- Alaska Loans are available for Alaska residents. To be considered, contact the Alaska Commission on Postsecondary Education, (800) 441-2962.

Work Study – Federal and state work study is awarded to qualified students who demonstrate financial need and request employment on the FAFSA. Work study recipients may work up to 19 hours per week and are paid at least minimum wage. These resources may be used as a portion of a Graduate Service Appointment stipend.

Miscellaneous Financial Aid Programs

- Short Term Loans – Short term loans are available in the amount of \$300 for up to 60 days. Students must be enrolled at least half time to qualify. Applications are available in the Financial Aid and Scholarship Office or at www.ewu.edu/financialaid, click “Online Forms.”
- Special Residency – Native American students and active duty military personnel (and dependents) may qualify to pay Washington resident tuition rates. To be considered for Native American residency, contact the Office of Records and Registration, (509) 359-2321; active duty personnel contact the Office of Admissions, (509) 359-2397.
- Veterans’ Benefits and ROTC – Students who served in the Armed Forces may be eligible for veterans’ benefits. Contact the Veterans’ Services Office, (509) 359-7040 or visit www.gibill.va.gov for details. Funding is also available through ROTC for students interested in military science. Contact ROTC, (509) 359-6110, for details.
- Idaho Reciprocity – Idaho reciprocity may be available to qualified Idaho residents. The award provides a \$4,000 tuition waiver per school year. To be considered, contact the Financial Aid and Scholarship Office.
- WICHE – EWU is a participant in the Western Interstate Commission for Higher Education (WICHE) program. Qualifying students are eligible to pay resident tuition in one of four EWU programs—Social Work, Creative Writing (the Western Regional Graduate Program states), Occupational Therapy or Physical Therapy (Professional Student Exchange Program participating states only). Contact these programs directly for more information on WICHE tuition waivers. No service to the University is required of WICHE recipients.

Graduate Service Appointments

Graduate Service Appointments (GSAs) are awarded on a competitive basis to students of outstanding promise by an academic program or administrative office. Apply by March 1 directly to the appropriate department for fall term. Early application is encouraged. The form is available at: www.ewu.edu/x12976.xml

There are three categories of Graduate Service Appointments. Graduate assistants teach or support teaching. Graduate associates provide various forms of administrative support consistent with their academic program. Students in both categories are required to complete at least 10 credits per quarter. Graduate instructors teach two classes per quarter and are required to complete at least 8 credits per quarter. All GSAs work 20 hours per week and

may not accept any other employment or compensation from the University. Terms of the award vary, but usually include a tuition waiver and a stipend. GSA tuition waivers do not cover quarterly building and facilities fees, health fees, technology fees or course fees.

A portion of the funding for GSAs comes from need-based tuition waivers. Only Washington state residents are eligible. To be considered for a need-based waiver, students must have completed the FAFSA process.

Recipients of a GSA are eligible for medical coverage during the term of their appointment. Information on this coverage and coordination of premium payment is provided by the Graduate Studies Office.

Scholarships - Graduate Students

EWU Scholarships

EWU scholarships are awarded to students who have demonstrated academic and community service excellence. To be considered for a scholarship complete the EWU Scholarship Application form on or before February 1 for the following academic year. Apply online at www.ewu.edu/financialaid, click “EWU Scholarships,” or pick up an application in the Financial Aid and Scholarship Office. Supplemental materials are also required.

A list of separate departmental scholarships and private, non-EWU scholarships are also available on our website.

Graduate Nonresident Waiver Scholarships

EWU graduate tuition waiver scholarships are available to high-achieving students of merit who are nominated by their academic department or program. These awards are currently limited to nonresidents of Washington state and cover approximately one-half of nonresident tuition. No service to the University is required for recipients of this scholarship. Interested students must contact the program to which they are applying for more information.

International Student Waiver Scholarships

A limited number of tuition awards may be available on a merit basis to international students. Graduate students may be eligible only pursuant to admission to graduate studies. For more information, contact the International Education Office, 127 Showalter Hall, (509) 359-2331. Outstanding international applicants are also encouraged to apply for Graduate Service Appointments as outlined above.

Scholarship for Disadvantaged Students (SDS)

The Scholarship for Disadvantaged Students is available to students demonstrating a high financial need and participating in the Mental Health Counseling, Social Work, and Physical Therapy programs. Interested students should complete the FAFSA process and contact their program for details and application information.

First Year Experience

117 Showalter Hall

(509) 359-6843

e-mail: orientation@mail.ewu.edu

This office coordinates programs designed to help incoming undergraduate students make a smooth transition to EWU. Programs include Student Testing, Advising, and Registration (STAR), new student orientation held prior to fall term, peer mentoring and the student success course, PSYC 197, offered during fall quarter.

Housing and Residential Life

121 Tawanka

(509) 359-2451, (800) 583-3345

Choosing where to live is one of the most important decisions any student will make after deciding to attend Eastern. Whether choosing to live in Spokane or Cheney, on or off campus, in a residence hall or apartment, it is important to consider cost, convenience, commuting time, study requirements and social interaction. With seven residence halls, accommodations for 2,000 students and a variety of dining options, Eastern offers everything students need at the best price among public higher education institutions in the state.

Living on campus provides learning opportunities that go beyond the classroom. People from all over the world attend Eastern, and the experience of living in a residence hall is a great way to become better acquainted with diverse lifestyles and ethnic backgrounds. Students in residence can get involved in hall government, have quick, convenient access to the entire campus, and best of all, can share problems, successes, frustrations, joys, insights and questions with roommates and neighbors. Living in a campus residence can lead to friendships that will last a lifetime.

Residence Halls

Seven residence halls—Anderson, Brewster, Dressler, Dryden, Morrison, Pearce, and Streeter—are available for single students without dependents. We offer a variety of living arrangements including all female/all male floors, floors with extended quiet hours, wellness floors, and Living Learning Communities where students with similar interests live together and share these interests on a daily basis. Students, staff and faculty collaborate in environments outside the classroom. All rooms have Internet access, voice mail, and cable television. A meal plan is required.

Application Procedures

Early application for a preferred room assignment is strongly encouraged. The deadline for early sign-up bonuses is May 1. Applications received before June 30 will receive a room assignment by late July. Applications received after June 30 may take at least one month to process before a room is assigned. **Please include the \$200 deposit when applying for residence hall accommodations.** (This deposit is not applied to housing fees.)

Room assignments will include each roommate's name and home phone number, and assigned roommates are encouraged to get acquainted before fall term. In most cases, students can see their room, or a similar room, during summer STAR programs. Move-in dates are several days before the start of fall quarter.

Contract and Rate Information

Fees for residence hall accommodations and meal plans for the academic year are payable quarterly or by separate arrangement with Student Financial Services. There are two options for housing contracts: (1) academic year or (2) quarterly. An academic-year contract represents substantial annual savings compared to the cost of three quarterly contracts. Also, additional savings are often available when early sign-up deadlines are met.

Please call the Office of Housing and Residential Life or visit www.ewu.edu/housing for specific information about our residence halls.

Graduate Student and Family Housing

Single graduate students can live in the residence halls. The north wing of Dryden Hall is popular with some graduate students because it usually has single rooms for those 21 and over. Anna Maria Apartments, Holter House and Townhouse Apartments are available to our married students and students with children. These are all unfurnished apartments and no meal plan is required. Application for housing should be made at least six months in advance since wait lists are common. For complete information and either a residence hall or apartment application, call housing at (509) 359-2451, visit www.ewu.edu/housing, or contact us via e-mail at housing@mail.ewu.edu

Dining Services

120 Tawanka

(509) 359-2540

Eating on campus can be as simple as a quick sandwich and glass of milk or as involved as a hot three-course meal. We are proud of our progressive eateries. We accommodate all kinds of appetites, by serving students who are concerned about health, who are in a hurry, who enjoy ethnic foods, and who like a good, old-fashioned hamburger and fries.

Three buildings house ten dining options, each are open at varying hours throughout the day and evening.

(1) The Pence Union Building (PUB)

Baldy's Food Court has a variety of convenient breakfast, lunch and dinner times.

Eagle Espresso Company and Freshens Smoothie Bar has espresso drinks and smoothies throughout the year.

Alley Way Grill has Mexican options at Rio's and Asian and curry dishes at Sticks and Spoons.

The Eagle Shop is the campus convenience store.

(2) Tawanka Commons

An all-you-can-eat cafeteria is available for students who signed up for it as part of their meal plan.

Main Street Deli has hot and cold sandwiches, salads, and more.

(3) Tunnel between Streeter and Morrison Halls

Morris Street Café, open 7 pm–11 pm is the answer for late night munchies.

Campus dining facilities accept cash, flex account payment or points through one of two dining plans. (A dining plan is required when living in a residence hall.) A flex account is great for off-campus students who want the advantage of discount offers without having to carry cash. Call or stop by Dining Services for more information. Dining plans are prepaid at the beginning of a quarter, with a preset number of points to spend on food during the quarter. Campus cash registers scan student IDs and subtract the point value of each meal. Points are safer than carrying cash and it's also easier to stay on budget using points. A printout of where and when points are spent is available anytime.

Orientation

Undergraduate

Each fall Eastern provides programs to support the transition of new undergraduate students from high school or another post-secondary institution to EWU. These programs include campus tours, departmental information, sessions on student services and interactive seminars that acquaint students with the University. All new undergraduate students receive information about orientation shortly after their admission. For further information, call or write First Year Experience Program, 117 Showalter, Cheney WA 99004, (509) 359-6843.

Graduate

In conjunction with the Graduate Studies Office, the Graduate Student Association sponsors an orientation event in the fall immediately before classes begin. The program includes presentations and information on a range of student services. Information on orientation is provided to all new graduate students during the summer. For further information, call or write the Graduate Studies Office, 206 Showalter, Cheney, WA 99004, (509) 359-6297, or by e-mail at gradprograms@mail.ewu.edu

Records and Registration

Office of Records and Registration

201 Sutton Hall

(509) 359-2321

regonline@mail.ewu.edu

Enrollment and Registration Process

Eastern Washington University has a web based registration system through EagleNET at www.ewu.edu. Confirmation of classes occurs at the time of registration. Registration priority is given to students continuing their enrollment from the current quarter to the next; registration is by scheduled appointment, based on class standing and first letter of last name. This information is published in the quarterly course announcement and on the Web. Continuing students may register during or after their appointed time but not before. Priority registration for fall is held during spring term. Otherwise, registration for continuing students is scheduled late in each term.

New freshman students are strongly encouraged to attend Student Testing, Advising, and Registration (STAR) programs. Undergraduate transfer students with fewer than 15 credits are encouraged to attend a STAR program, which includes academic advising, registration, campus tours and information seminars. Information about STAR program dates and schedules are included with the admission acceptance notification. Confirmation of acceptance is required to participate in STAR programs.

Undergraduate transfer students with more than 90 credits are not required to attend a STAR program, and they may register during the open registration period that follows priority registration each quarter. However, advising is required prior to initial registration.

To be eligible to register a student must:

1. Be either a continuing student or accepted for admission or re-admission for the next quarter
2. Obtain advisor authorization whenever required, as follows:
 - New students (first quarter of enrollment at Eastern, undergraduate and graduate) registering for 10 or more credits
 - All freshmen
 - All athletes
 - Any undergraduate student on academic probation
 - Any returning students on academic probation or after dismissal
 - Any undergraduate requesting more than 18 credits
 - Any graduate students requesting more than 16 credits.
3. Clear any registration holds.
 - Continuing students check on EagleNET or with the Records and Registration Office to determine if there are registration holds and the action required to remove the hold.
 - New students will be advised of any holds at registration or during their advising session.
 - Holds are placed on registration for incomplete transcripts, overdue financial obligations, incomplete Financial Aid forms, academic probation and dismissal, pre-university basic skills and disciplinary action.
4. Register at the appointed time.
 - New undergraduate students will register during the STAR programs.
 - Continuing graduate and undergraduate students will have an appointment time based on class standing. See the Classification of Students defined on the next page. Check the Records and Registration website for updated information on registration.

All students are advised to have alternate courses selected in case of closures. All new students should obtain an EagleCard (ID card). New undergraduate students will receive a student ID card during their STAR program.

5. Determine whether to restrict student information.

- Limited general information on registered students such as name, dates of attendance and degrees earned can be legally provided to third parties; however, release of this information may be restricted anytime on EagleNET. Grades, class schedule and transcript information are not released to third parties unless authorized in writing by the student. No information on students is released for commercial purposes.
- A directory restriction may be placed through EagleNET, or in person at the Records and Registration Office.
- For detailed information, speak with staff in Records and Registration, 201 Sutton Hall, or call (509) 359-2321, and see the policy information in the back of this catalog under Access to Academic Records, and the Family Educational Rights and Privacy Act (FERPA) of 1974.

Changes to Registration

All schedule change fees and late registration fees begin the sixth day of the quarter. Instructor authorization is required to add a class or register beginning the sixth day of the quarter. Instructors are not required to provide class notes, assignments, and materials to students who add a course after the first class meeting; it is the student's responsibility to obtain this information.

Some courses may be closed prior to the sixth day of the term. These courses will require instructor authorization to register.

Dropping Courses:

Courses officially dropped through the Records and Registration Office or the Spokane Center prior to the beginning of the quarter and through the 10th day of the regular academic term will be removed from the student's record. Refunds are calculated according to the current refund schedule. Fees for dropping/withdrawing from classes begin the sixth day of the quarter. Current fees are listed in the course announcement.

Overloading Courses:

Undergraduates who wish to enroll in more than 18 credit hours during a quarter must obtain overload permission. Undergraduates who have not yet declared a major must get overload permission from an advisor in General Undergraduate Academic Advising. Declared majors must obtain permission from their department chair. Requests for 19 or more credit hours are generally approved only for those with a GPA of at least 3.0. See the quarterly course announcement for required authorizations. Additional per credit fees are assessed for students enrolled in more than 18 credits per quarter.

Repeating Courses:

This is general information that may be superseded by specific program rules on repeats, such as those for business undergraduate majors. Graduate students must also follow the specific policies under "Academic Standards and Course Repeat" in the front section of this catalog.

You may repeat a course for a higher grade. Courses to be repeated for credit value must be identified during the registration process on EagleNET by going to "change class options" under the Registration category or by marking the repeat option square on the paper Registration Form.

If you fail to indicate the repeat during registration, there may be detrimental effects on your GPA and total credits toward graduation.

The previous course, along with its credits, grade and grade point average, will remain recorded on your transcript but will be superseded by the new course, grade and GPA. Your cumulative GPA will be adjusted to reflect the new grade.

If you are repeating a course in which you have received letter grades with no numeric value — such as "W" — you do not need to indicate this at registration. You should register for the repeat "W" course as you would normally register for regular credit and grading.

Courses previously taken may not be repeated under the following conditions:

- Receiving a pass (P) grade with the Pass/Fail or Pass/No Credit option
- Using the correspondence/independent learning course method of instruction for courses previously taken by classroom instruction
- To improve an undergraduate GPA after receiving a baccalaureate degree
- Repeating a transferred course for which Eastern offers no equivalent

Repeat Policy (Beginning Fall 2007 for new students)

An undergraduate student will be allowed to repeat any single course twice for a total of three enrollments per course. In addition, a student is limited to a total of ten repeats. The last grade assigned will be the grade included in the GPA (grade point average) and all grades assigned will remain on the transcript.

Exception:

If the student is showing progress over time, then he or she may be allowed to take the course additional times. Any repetitions beyond the two allowed by this policy will only be permitted at the discretion of the department chair where the course resides. This would show on a grade roster as "register with permit" for the appropriate quarter. The total number of repeats still may not exceed ten.

Note: This policy will be effective Fall Quarter 2007 for new students.

Withdrawing from courses:

Withdrawals result in a "W" grade on the student record and are accepted in the Records and Registration Office or at Spokane sites from the eleventh day of the quarter until the end of the seventh week. Schedule change fees apply. Students who enroll but do not attend class must officially withdraw, or they will receive a grade of 0.0 and be held financially responsible for all tuition and fees.

If there are any questions about course withdrawal, please call the Records and Registration Office at (509) 359-6591.

Withdrawing from courses (Beginning Fall 2007 for new students)

Undergraduate Course Withdrawal Policy

EWU students are allowed a total of 10 course withdrawals in their undergraduate work. (Withdrawals occur after the normal drop/add period.) Withdrawal from all courses for a quarter for special reasons (for example, extended illness, accident or military service) as documented and approved by Records and Registration would not be included in the apportionment of course withdrawals.

When a student reaches six withdrawals, the student will be notified by Records and Registration. When a student reaches nine withdrawals, a registration hold will be placed on the student's record and the student will not be allowed to register unless the student has the authorization from his/her advisor (departmental or program if declared, or his/her advisor in the General Undergraduate Academic Advising Office).

Course withdrawal beyond the tenth will only be permitted at the discretion of the departmental or program advisor. If a withdrawal is not granted, the assigned grade will be transcribed.

If there are any questions about course withdrawal, please call the Records and Registration Office at (509) 359-6591.

Note: This policy will be effective Fall Quarter 2007 for new students.

Withdrawing From the University:

Complete withdrawal from the University must be done through the Records and Registration Office or the Spokane Center. Complete withdrawal may be done by phoning the Records and Registration Office (509) 359-2321 or coming in-person to complete the Withdrawal Clearance form. There is no schedule change fee to completely withdraw. Refunds are calculated according to the refund schedule. Any student who stops attending and does not officially withdraw from the University will receive grades of 0.0 and be held financially responsible for all tuition and fee charges as well as any applicable financial aid obligations.

Complete withdrawals may be completed any time during the quarter prior to one week before finals. Instructor's permission may be required after the seventh week of the quarter. Documentation may also be required in certain cases.

If there are any questions about complete withdrawal, please call the Records and Registration Office at (509) 359-2321.

Classification of Students

A student's earned credit hours determine undergraduate class standing, including any transfer credits that have been received by the posted deadlines.

Undergraduate:

Cumulative Credit Hours Earned	Classification
0-44	Freshman
45-89	Sophomore
90-134	Junior
135+	Senior

Post-baccalaureate (PB):

Students who hold at least an earned undergraduate degree as documented with official university transcripts.

Fifth-Year (5Y):

Students who hold at least an earned undergraduate degree, as documented with official university transcripts, and enrolled in courses to complete certification requirements. Credits earned in this status are recorded on a graduate transcript.

Graduate:

Full admission to a graduate degree or graduate certificate program requires official transcripts documenting at least an undergraduate degree. See the Graduate Admission Requirements in the front of this catalog for more information.

Course Load

To complete a 180 quarter credit baccalaureate program in four years of study, a student must average 15 university level credit hours per quarter, or 45 credit hours for the academic year. Undergraduate students who are enrolled for at least 10 credit hours a quarter are considered full-time students for tuition purposes. Twelve credits are the minimum required for financial aid eligibility for full-time undergraduates.

Graduate students enrolled in 10 credits per quarter are considered full-time, and are eligible for financial aid.

Course Numbers

Eastern's courses are numbered sequentially from 100 through 799 with divisions designated for each academic level. Use this reference when selecting courses.

Lower Division

100–199	primarily for freshmen; may not be taken for graduate-level credit
200–299	primarily for sophomores; may not be taken for graduate-level credit

Upper Division

300–399	primarily for juniors and seniors; may be used for graduate-level credit only with permission of the graduate dean
400–499	primarily for seniors; graduate students may count a limited number of credits from graded courses, only with program approval

Graduate Division

500–599	graduate level; senior undergraduates may enroll only with permission of both department chair and graduate dean
600–699	graduate level only
700–799	doctoral level only

At all levels, course numbers ending in 95 through 99 indicate special courses, with the particular subject matter varying from quarter to quarter:

95	internships
96	experimental
97	workshops, short courses, conferences
98	seminars
99	independent and directed study

All departments may offer these types of courses, but not all may be listed in this catalog. Check with the individual department for the availability of special courses.

Enrollment Verification

With sufficient notice the Records and Registration Office will provide a letter verifying enrollment status to any student. Status is based on current quarter credit hours enrolled at the time of verification.

Full-time Enrollment**Undergraduate**

- 10 credits—full-time student
- 12 credits—full-time student receiving financial aid or veteran's benefits

Graduate

- 10 credits—full-time student
- 10 credits—full-time student receiving financial aid or veteran's benefits

International Student

- 12 credits—undergraduate full-time student
- 10 credits—graduate full-time student

Part-time Enrollment**Undergraduate and Graduate**

- 2–9 credits, except summer term only when registration may be for 1 credit

www.ewu.edu

International Student

- 2–9 credits, except summer term only when registration may be for 1 credit

Note: Check with the International Student Advisor to verify eligibility for part-time enrollment, otherwise, full-time enrollment is required of all international students, except for vacation quarters.

Grading and Transcripts

See "Policies" that follow this section of the catalog below for general information that applies to all students. For grading policies specific to undergraduate and graduate degree requirements, including academic probation, see the appropriate section in the front of this catalog.

Reporting Grades

At the end of each quarter, grades are available through EagleNET at eaglenet.ewu.edu, starting the Wednesday after finals. The report includes current institutional, transfer and all college cumulative GPA.

Transcript Requests

Official copies of Eastern transcripts may be required for a job, a scholarship, graduate school applications or for other purposes. Requests for official Eastern transcripts must be submitted in writing with a fee (fees increase annually) for each transcript to the Records and Registration Office and must include: (1) student's full name and maiden name if applicable, (2) dates of attendance, (3) birth date, (4) social security number/EWU ID number, (5) address where the record is to be sent and (6) the student's signature. It normally takes 48 hours to process a request for a transcript. Instant transcripts are available at the Records and Registration Office, 201 Sutton Hall, for an additional fee along with a processing wait time. Eastern Washington University does not fax official transcripts. Graduating students are mailed two free transcripts after the degree has been confirmed and posted to the Eastern record, and all financial obligations to the University have been met.

Unofficial transcripts can be printed from the EagleNET website <http://eaglenet.ewu.edu/>

Current transcript fees are posted at:
www.ewu.edu/new/academics/transcripts.html

Eastern will only fulfill requests for transcripts of course work completed at Eastern. Transcripts received from a high school or another college to fulfill admission requirements are part of each student's academic file and cannot be returned. Additional copies of those records must be requested from the granting institution.

Student Financial Services (SFS)

202 Sutton Hall and 336 Pavilion

(509) 359-6372

Spokane Center

705 W. First Ave.

Spokane, WA 99201

(509)-623-4200

SFS provides billing, refunding, and financial aid disbursement and direct deposit processing on both the main Cheney campus and in Spokane. For a summary of tuition, fees, and refund information, please see this heading in the front of this catalog, or www.ewu.edu

University Facilities

Fine Arts and Music

119 Music Building
(509) 359-2241

Eastern's fine and performing arts facilities are important resources for students in art, music, theater and electronic media programs as well as for students in other disciplines and even community members who want to experience the arts.

- Changing exhibitions of local, regional and national artists are featured in Art Department galleries on the Cheney campus — the Gallery of Art and the Photography and Print Gallery. Student work is shown in the Student Gallery in the Art Department.
- Musicals, Plays and other dramatic productions are presented regularly at the University Theatre and in Showalter Auditorium.
- The renovated Showalter Hall and the Music Department's Recital Hall are the venues for concerts, recitals and other music productions as well as master classes and performances by visiting artists.
- The Electronic Music Studio provides up-to-date resources in music synthesis, MIDI-assisted recording and printing as well as computer-aided instructional tools for students in composition, performance and music education.
- The Fine Arts Digital Lab offers state-of-the-art hardware and software for digital, visual, filmic, and musical composition and editing.

George Stabl Planetarium

239 Science Building
(509) 359-6755

This facility provides university instruction as well as astronomy programs to visiting public school classes.

The Pence Union Building

212 PUB
(509) 359-7921

The Pence Union Building, or PUB, provides a variety of services, conveniences and amenities, including:

- Personal check cashing
- A pool table and video game room
- A complete travel agency
- A hair styling salon
- Free telephones for Cheney and Spokane calls
- A cash machine
- The Eagle Shop for hot soup, fresh milk, microwavable foods, snacks, candy, school supplies, personal items and seasonal gifts
- Food services, including Baldy's, Smoothie Bar, Alley Way Grill, Thomas Hammer Coffee and other unique concession stands
- Computer Lab
- Writers' Center
- Bookstore for textbooks, trade books, supplies, clothing, gifts, cards
- A cyber-cafe

Spokane Center

705 W. First Ave.
Spokane, WA 99201
(509)-623-4200 and 623-4223

The EWU Spokane Center, located in downtown Spokane, provides a range of student support services for both the downtown location and Riverpoint Higher Education Park. The academic and programmatic offerings provide educational and cultural courses, and events open to the Spokane Community. The Spokane Center houses a computer lab and a bookstore, which handles textbooks for all Spokane classes, general books, EWU clothing and convenience store items.

Sports and Recreation Center *(Recreation and Fitness Activities)*

336 Special Events Pavilion
(509) 359-2206 or (509) 359-6207

Eastern has one of the best recreational and fitness facilities in the Pacific Northwest. The Sports and Recreation Center offers a wide variety of recreational activity areas including gymnasiums, racquetball/handball/squash courts, saunas, weight conditioning rooms, indoor/outdoor tennis courts, indoor/outdoor running tracks, aquatics center, fieldhouse, dance studio, martial arts room and locker rentals. These facilities encourage physical fitness for students, faculty, staff and members of the community.

Located within the Sports and Recreation Center is the Body Shop, a distinctively designed fitness area that features up-to-date equipment for circuit fitness training. This area is operated by the Physical Education, Health and Recreation Department. Classes are offered through the Body Shop as well. (509) 359-2639

University Services

Bookstore

152 PUB
(509) 359-2231
www.bookstore.ewu.edu

Customer Service
(509) 359-2826

Spokane Center Bookstore
(509) 623-4365

The University Bookstore sells textbooks, general interest and reference books, computer hardware and software, emblematic clothing and gifts, school and art supplies, greeting cards and gifts, health and beauty aids, and snack foods. The Customer Service Department located inside the bookstore provides personal check cashing, and sells tickets for Eagle Entertainment. Customer Service can also provide locker and table rentals in the PUB.

Childcare at the EWU Children's Center

923 Washington St., Cheney
(509) 235-5035

Eastern Washington University is committed to and proud to have an on-campus childcare program serving the childcare needs of the University Community.

EWU Children's Center offers a developmentally appropriate educational program for the children of students, faculty and staff from ages six weeks to ten years. Part-time and full-time care is available. Rates are reasonable. EWU students can inquire about assistance with the cost of care. The beautiful, modern facility is licensed to serve 194 children, and the program is managed through a contract with the YMCA of the Inland Northwest.

Counseling and Psychological Services (CAPS)

225 Martin Hall
(509) 359-2366

An important feature of Eastern's student support services, CAPS is designed to help students cope with some of the common frustrations and stresses of college life. CAPS offers individual and group counseling for a nominal fee. Walk-in counseling, referrals, and consultation services are offered free of charge to the University Community. Our staff of psychologists, counselors and graduate trainees is prepared to help with such concerns as anxiety depression, family problems, relationship difficulties, sexual questions, and uncertainties about personal values and beliefs.

CAPS is not a place that hands out pat answers or ready made solutions. Rather, it is a place where a student can discuss concerns in a comfortable and confidential setting. New understandings and insights may then be translated into a plan for action and change.

Disability Support Services

124 Tawanka
(509) 359-6871

Providing equal opportunities for students with disabilities at Eastern Washington University is a campus-wide responsibility and commitment. The University is continually working toward this goal by modifying campus facilities and programs to meet individual needs.

In accordance with Section 504 of the 1973 Rehabilitation Act, the Washington State Law Against Discrimination and the Americans with Disabilities Act, the Disability Support Services Office (DSS) facilitates reasonable accommodative needs of all self-identified students with documented disabilities.

To qualify for service through the DSS Office, students must self-identify, provide documentation of disability and complete an intake interview with DSS personnel. DSS staff will then assist with determining individual needs and provide timely and effective accommodations.

Eagle Outpost

Brewster Hall
(509) 359-4591
www.bookstore.ewu.edu

The Eagle Outpost sells a variety of general interest reference and children's books. A large selection of magazines are available for purchase. A selection of food, beverage, and emblematic clothing and gifts are also available at the Eagle Outpost.

HOME (Helping Ourselves Means Education)

207C Monroe Hall
(509) 359-4237

HOME is a support service for returning students and students with dependent children. Their office maintains a resource referral database on housing, childcare, scholarships and community services, as well as campus resources. They also offer childcare and textbook scholarships. The HOME program sponsors the Giving Tree, a holiday resource for low-income EWU students, and a book drive for Better World Books.

Identification Cards

EagleCard Office
120 Tawanka
(509) 359-6184

New students are issued photo ID cards in the EagleCard Office at the time of initial registration. Proof of enrollment must be provided and a photo ID is required before the EWU ID card can be issued.

There is no charge for the first ID card. A \$15 fee is assessed to replace a lost or stolen ID card.

Students who do not re-enroll for one or more quarters are advised to retain their ID card, or they will be assessed the \$15 reissue fee for a new card upon return to Eastern.

Students are personally liable for all obligations incurred by the use of their ID card. Report lost, stolen, or found cards immediately to the EagleCard Office, or visit the online card office at www.ewu.edu/eaglecard.

Parking

103 Huston Hall
(509) 359-PARK (7275)

Permits for on-campus parking are obtained at the Red Barn on Washington and 7th. Parking permits are required to park in any on-campus lot. Space is limited so apply early. Metered parking is also available on a limited basis for guests and visitors. Please call the parking office for specific information on the availability of visitor or handicapped parking space. The lot located behind Woodward Stadium is a free parking lot except for Special Events days.

Student Health, Wellness and Prevention Services

122 Showalter Hall
(509) 359-4279

Eastern is committed to the physical and emotional health of each student. Any student taking six or more credits participates in a mandatory outpatient medical services program. These services are contracted through Rockwood Clinics of Spokane and are available to any eligible student at any Rockwood location. Students who are enrolled for fewer than six credits can participate in the program by notifying personnel in Student Financial Services or Records and Registration on the second floor of Sutton Hall. This program is available on an optional basis during summer. A complete services guide is available at any Rockwood Clinic or any student services office. In addition, Eastern offers students an optional health insurance program that includes outpatient, inpatient, diagnostic and other medical services. Students can add a spouse or dependent children for additional cost. The premiums for this insurance vary each year, so please call the Health and Wellness Office, or any other student service office for the most current information.

Student Health Wellness and Prevention Services provide informational and educational programs, literature and resources to help students maintain a healthy, safe, and successful academic career. Topics include HIV/AIDS, nutrition, sexual assault prevention, sexually transmitted infection (STI) awareness, alcohol education, smoking cessation, stress management and other health related issues. Peer education groups are also available. Please stop in anytime for this free information or to become involved in educational efforts throughout campus.

University Police

101 Red Barn
(509) 359-6300

The University Police Department is located at 7th and Washington in the Red Barn. Officers are on duty 24 hours a day 7 days a week. The University Police Officers are commissioned and have the authority to enforce all local, state or federal laws. The University Police Department is open to the public from 8:00 a.m. to 5:00 p.m. Monday through Friday during the regular school year, as well as during summer quarter and summer break.

The University Police can be contacted in person at the Red Barn or by calling either the following numbers: 359-6300 and follow the menu or 498-9233 and a dispatcher will answer. For emergencies call 911.

Some of the services provided by the University Police are:

- Vehicle jumps
- Vehicle unlocks
- Lost and Found
- Fingerprinting
- Weapons storage
- Crime prevention awareness training
- Alcohol/drug awareness training.

There is a Sheriff's Community Oriented Policing Effort (SCOPE) office located in 126 Tawanka or call (509) 359-2677. Volunteer students and residents from the community staff the office. The office will be open during the regular hours for Tawanka. SCOPE volunteers are an important part of the effort to help make the campus safe. Volunteers receive limited training in crime prevention programs. Anyone interested in becoming a volunteer is invited to call or stop by the SCOPE office.

Veteran Services

201 Sutton Hall
(509) 359-7040

The Veteran Services Office has the forms required for veterans, Reserve/Guard, Service Members, and dependents to apply and be certified for VA Education Benefits. Please call or stop by our office for current information on availability of state waiver programs. Eastern Washington University's academic programs are approved by the Higher Education Coordinating Board's State Approving Agency (HECB/SAA) for enrollment of persons eligible to receive educational benefits under Title 38 and Title 10, U.S. Code. Eastern is a Servicemember's Opportunity College, responding to the needs to graduate students who are also military personnel.

Policies

These include general university policies that apply to all students and programs as well as relevant state and federal policies.

Academic Integrity Policy

EWU expects the highest standards of academic integrity of its students. Academic honesty is the foundation of a fair and supportive learning environment for all students. Personal responsibility for academic performance is essential for equitable assessment of student accomplishments. The University supports the faculty in setting and maintaining standards of academic integrity. Charges of academic dishonesty are reviewed through a process that allows for student learning and impartial review.

Definitions

Violations of academic integrity involve the use or attempted use of any method or technique enabling a student to misrepresent the quality or integrity of any of his or her work in the University and the program of study.

Violations of academic integrity with respect to examinations include but are not limited to copying from the work of another, allowing another student to copy from one's own work, using crib notes, arranging for another person to substitute in taking an examination, or giving or receiving unauthorized information prior to or during the examination.

Violations of academic integrity with respect to written or other types of assignments include but are not limited to failure to acknowledge the ideas or words of another that have consciously been taken from a source, published or unpublished; placing one's name on papers, reports, or other documents that are the work of another individual, whether published or unpublished; misuse of the assistance provided by another in the process of completing academic work; submission of the same paper or project for separate courses without prior authorization by faculty members; fabrication or alteration of data; or knowingly facilitating the violation of academic integrity by another.

Violations of academic integrity with respect to intellectual property include but are not limited to theft, alteration, or destruction of the academic work of other members of the community, or of the educational resources, materials, or official documents of the University.

Arbitrator: An individual holding or having held faculty rank, appointed by the dean of Graduate and Undergraduate Studies for the purpose of reviewing charges of academic dishonesty against a student within a prescribed time frame as either a first level reviewer or a second level reviewer.

Instructor(s): The instructor of record.

Resolution/Appeal Form: A set of forms to be utilized to document and communicate charges of a violation of academic integrity, instructor recommendations, student responses, process options and decisions reached.

Sanctions: Penalties that may be applied in the event that a violation of academic integrity is found to have occurred. Sanctions may be combined and may include but are not limited to:

- verbal or written reprimand
- educational opportunity, such as an assignment, research or taking a course or tutorial on academic integrity
- grade penalty in a specific academic exercise
- course grade penalty
- course grade penalty of a failing course grade. A course grade penalty of a failing course grade is recorded on the transcript as an XF, and counted as a 0.0 for purposes of GPA calculation. In this case the 0.0 would be a permanent part of the GPA calculation. A student may petition to have the XF on the transcript changed to a 0.0 two years after the date it is entered. A student may have the XF converted to a 0.0 prior to the end of this two-year period if the student successfully completes a course or tutorial

on academic integrity. If, after completing this course, a student again receives a sanction for a violation of academic integrity, that sanction shall be a permanent part of the student's transcript.

- suspension for a definite period of time
- dismissal from the University

Sanctions involving grades in an academic exercise or a course final grade may be imposed by the instructor following the procedures outlined in this policy.

Sanctions of suspension or dismissal from the University may only be imposed by the President or the President's designated disciplinary officer who will review recommendations for suspension or dismissal prior to imposing such sanctions.

Privacy: Student privacy rights are to be strictly observed throughout these procedures. A final finding that a student has violated the Academic Integrity Policy is placed in the student's confidential academic record. Each step of the process to determine whether a violation has occurred is to remain confidential. Only those parties identified in these procedures are considered to have a "need to know" information regarding an individual student's actions.

Initiation of Violation of Academic Integrity/ Misconduct Hearing Process

An instructor may initiate the process to review charges of a violation of academic integrity by notifying the allegedly offending student of the charges and of the sanction proposed by the instructor. This notification shall occur within five (5) university instruction days of establishing that grounds exist that an infraction of the academic integrity code exists. Notification may be oral but must always be supported by written notification. Notification shall include a description of the alleged violation of academic integrity including appropriate dates, specification of assignment/test/exercise and any relevant evidence. The notification shall also include the specific remedy proposed by the faculty member for the misconduct. The notification shall also indicate to the student whether the instructor elects to offer resolution through Direct Instructor-Student Resolution or through External Resolution. These processes are described separately below.

Direct Instructor-Student Resolution

If the instructor elects Direct Resolution, the finding and proposed sanction of the instructor is considered a first level review that can be appealed to an appointed arbitrator at a second level review.

The instructor may elect to attempt resolution through direct interaction with the student. The student would so indicate that notification had been received by signing the appropriate line of the Resolution/Appeal Form.

Upon notification, the student has five (5) university instruction days to respond to the instructor.

The student may accept responsibility for the alleged action and waive the right to appeal by accepting the charges and the sanction proposed by the faculty member or a sanction mutually agreed upon. If the student agrees to Direct Resolution, the student and faculty member will sign a "Resolution/Appeal Form" and forward the completed waiver (including the sanction imposed) to the Student Judicial Officer for recording in the confidential disciplinary file of the student. The instructor will then implement the sanction.

If the student fails to respond within five (5) university instruction days, the instructor will send another copy of the written notification to the student by certified mail, return receipt requested to the most current address the student has on file with the Records and Registration Office. Failure of the student to respond within five (5) days following receipt of the written notification by certified mail, shall be interpreted as an admission of responsibility and acceptance of the instructor's proposed sanctions. If a student fails to respond within five (5) university instruction days after receipt of the written

notification by certified mail the instructor shall impose the sanctions and forward a copy of the appropriately completed Resolution/Appeal form to the Student Judicial Officer.

The student may exercise the right to appeal. In the event of student appeal, the instructor and the student complete and sign the "Resolution/Appeal Form" and forward a copy to the dean of Graduate and Undergraduate Studies or designee who then appoints an arbitrator to review the charges as in the External Resolution process and the process will follow the External Resolution hearing steps.

External Resolution

The instructor may elect to pursue charges of a violation of academic integrity against a student through the External Resolution process. This process provides an arbitrator, appointed from the University at-large, to review the relevant facts and to take statements from the instructor and the student. By referring charges for External Resolution, the instructor implicitly agrees to accept the findings of the arbitrator and the sanction determined by the arbitrator. Where possible the arbitrator shall be guided by sanctions as detailed in the instructor's syllabus.

Initial Notification: The instructor informs the student in initiating a violation of academic integrity charge as outlined above that the charge will be heard through External Resolution process. This notification is forwarded to the dean of Graduate and Undergraduate Studies as appropriate within five (5) university instruction days of establishing that grounds exist that an infraction of the academic integrity code exists.

Appointment of Arbitrator: Within five (5) university instruction days of receipt of the notification from the instructor, the dean of Graduate and Undergraduate Studies appoints an arbitrator from among qualified candidates (see definition of arbitrator) and notifies the student of an initial hearing in writing.

Initial Hearing: Within five (5) university instruction days of receipt of the notification from the instructor, the dean of Graduate and Undergraduate Studies or designee informs the student of the process as outlined in this policy, reviews the charges in the initial notification, informs the student of the sanction recommended by the instructor and of the range of sanctions that could be imposed by the arbitrator, apprises the student of the right to appeal and potential consequences of appeal. The dean of Graduate and Undergraduate Studies or designee ascertains that the student understands the process and the charges and documents the initial hearing.

Student failure to respond to notice of initial hearing: If the student fails to respond within five (5) university instruction days, the dean of Graduate and Undergraduate Studies will send another copy of the written notification to the student by certified mail, return receipt requested to the most current address the student has on file with the Records and Registration Office. Failure of the student to respond within five (5) days following receipt of the written notification by certified mail, shall be interpreted as an admission of responsibility and acceptance of the instructor's original proposed sanctions. If a student fails to respond within five (5) university instruction days after receipt of the written notification by certified mail, the dean of Graduate and Undergraduate Studies informs the instructor of this failure to respond so that the instructor may impose the sanction proposed initially.

Arbitrator Review: After the appointment of the arbitrator, the student may respond to the charges in a written statement submitted to the arbitrator. The student may also include any relevant written documentation, third party statements, or evidence deemed relevant to the student's interests. The arbitrator primarily reviews written evidence. The arbitrator may consult with the instructor, the student or others as the arbitrator deems appropriate to discovering the facts of the matter or to determining the nature of the alleged violation of academic integrity. The arbitrator shall conclude the review and issue a decision within ten (10) university instruction days after his/her appointment unless the faculty member and student both agree to extend the timeline. All evidence collected in this process must be made available to the student and/or faculty member upon request.

Arbitrator Decision: After completing a review of the charges and relevant evidence, the arbitrator notifies the dean of Graduate and Undergraduate Studies or designee who in turn notifies the instructor, student and Student Judicial Officer of the arbitrator's decision and of the sanctions, if any, to be imposed.

Appeal Rights

If the arbitrator hears the case after the student declined Direct Resolution, the arbitrator's decision constitutes an appeal of the instructor's initial sanction. This appeal is unqualifiedly available to any student dissatisfied with the instructor's proposed sanction under Direct Resolution. In this situation the first level arbitrator's decision is final and no further appeal is available. The first level arbitrator's decision is communicated to the Student Judicial Officer for implementation and recording in the student's confidential disciplinary record.

If the first level arbitrator hears the case as the result of the instructor's selection of External Resolution, the first level arbitrator's decision is considered an initial decision and may be appealed. An appeal of that decision will be heard only if at least one of the following criteria is met: (1) evidence is provided that the penalty imposed by the first level arbitrator is disproportionate to the offense; (2) evidence is provided that the first level arbitrator's decision was arrived at through a violation or misapplication of specified procedures; (3) substantial evidence is provided that the first level arbitrator's decision was unreasonable or arbitrary; and/or (4) new evidence has emerged that, had it been available at the time of the first level arbitrator's decision, might reasonably be expected to have affected that decision.

The student may request an appeal of the decision of the first level arbitrator by submitting a request for an appeal to the dean of Graduate and Undergraduate Studies or designee within three (3) university instruction days of receipt of the notification of the arbitrator's decision. Upon receipt of the student's request for an appeal, the dean of Graduate and Undergraduate Studies or designee makes an initial determination whether at least one of the four (4) criteria listed in the paragraph above may have been met. If the dean of Graduate and Undergraduate Studies or designee determines that an appeal is justified, he or she appoints a second level arbitrator within five (5) university instruction days of the receipt of the request for an appeal. The second level arbitrator reviews the written record and any additional or new documentation submitted by the student in requesting the appeal. The decision of the second level arbitrator is to be made within ten (10) university instruction days of his/her appointment and is a final ruling. It is transmitted to the dean of Graduate and Undergraduate Studies who then forwards the decision to the instructor, the student, and the Student Judicial Officer for implementation and recording.

All evidence collected in this process must be made available to the student and/or instructor upon request.

Repeat Violations

The purpose of recording charges and sanctions in the student's disciplinary record is to determine patterns of behavior. Repeat violations of academic integrity may result in more severe sanctions imposed by the instructor or arbitrator. The dean of Graduate and Undergraduate Studies or designee is considered to have a need to know of prior academic integrity violations and may request such information from the Student Judicial Officer prior to making or transmitting a decision on a pending charge.

Three sanctioned instances of a violation of academic integrity during a student's enrollment at Eastern Washington University will constitute grounds for an immediate sanction of dismissal from the University. Such action will be taken by the President or the President's designated disciplinary officer upon notification of three sanctions by the Student Judicial Officer.

Course Withdrawal Suspended During Hearings

A student officially notified of charges of a violation of academic integrity may not withdraw from the course until the determination of responsibility is made and any sanctions are imposed. A sanction for a violation of academic integrity that affects the course grade will be applied. The student may not

avoid the imposition of a sanction by withdrawing from a course. If the student is found not responsible for actions violating the Academic Integrity Policy, the student will be permitted to withdraw from the course with a grade of "W" and with no financial penalty, regardless of the deadline for official withdrawal.

Continuation in Course Pending Final Decision

A student may continue to attend and perform all expected functions within a course (take tests, submit papers, participate in discussions and labs, etc.) while a charge of a violation of academic integrity is under review, even if the instructor recommendation is a failing grade in the course, suspension or dismissal. Full status as an enrollee in a course may continue until a sanction is imposed. Final imposition of a sanction of a failing grade in a course will result in the immediate suspension of attendance in that class by the student.

Access to Academic Records

In accordance with the Family Educational Rights and Privacy Act of 1974, (FERPA) academic records are confidential, and access to them is limited to the student and, for advisory or other educational purposes, to certain designated offices within the administration and faculty of Eastern. No student's academic records can be released to anyone outside the University without the student's written permission.

Specific details of the Family Educational Rights and Privacy Act of 1974 are available in the Records and Registration Office, 201 Sutton Hall. Also see Appendix B of this catalog.

Student Directory Information

Certain categories of student information are considered "open" or directory-type data and may be released to the public if the student is enrolled at the University at the time of request. These categories include name, addresses, telephone number, e-mail addresses, major field of study, participation in officially recognized activities and sports, dates of attendance, degrees and awards received and the most recent previous educational agency or institution attended.

All other information regarding a student's record or attendance is restricted and may not be released. Examples of restricted information are a student's course enrollment, the number of credits earned and any grade-related information. This policy is in compliance with federal rules and regulations and is intended to protect each student's privacy and security. See WAC 172-190 in the appendices in the back of this catalog.

SPECIAL NOTE: Students may request that directory information not be released to the public. A directory restriction can be placed by the student on EagleNET at eagle.net.ewu.edu. Students who place a directory restriction will not be sent general non-educational information from the University. University notice of Dean's List to local papers and to the National Dean's List will not be made for students with restrictions. For more information on the directory restriction, see the information in WAC 172-190 below, and check with Records and Registration, 201 Sutton Hall, (509) 359-2321.

Credits

One quarter hour of credit is assigned in the following ratio of hours per week devoted to the course of study:

- Lecture/discussion: one hour in the classroom per week for each credit hour (two hours outside preparation expected).
- Studio (art classes): minimum two hours in the classroom per week for each credit hour (one hour of outside preparation expected per credit hour).
- Laboratory: minimum two hours in the lab per week for each credit hour (one hour of outside preparation expected per credit hour).
- Ensemble (music classes): minimum two hours per week for each credit hour (one hour of outside preparation expected per credit hour).

- Independent study: minimum three hours of work per week for each credit hour.

The proportion of time in each course assigned to lecture, studio, laboratory, independent study or ensemble is recommended by faculty of the department offering the course.

The term “quarter hour” corresponds with “credit,” “hour” or “credit hour.”

Final Exams

Final examinations are scheduled at the end of each quarter, with the exam schedule appearing in the University's Quarterly Course Announcement and on the Web. Exams must be taken during the hours and dates stated in the examination schedule.

Grade Appeals

Except for “X” and “Y,” all grades are final and can be changed only in the case of university (instructor, clerical or administrative) error. Such corrections must be submitted by the instructor and approved by the department chair and college dean. Requests for grade corrections must be submitted to the Records and Registration Office within two quarters of the initial grade assignment.

Students have the option of appealing a grade they believe is unfair. To appeal, an Intent to Appeal a Grade or an Official Grade Appeal form must be submitted within the times specified below, or the right to appeal is forfeited. Reasonable exceptions to these deadlines may be made by the chair or designee.

The order of appeal is as follows:

1. File a notice of Intent to Appeal a Grade form within 10 working days after instruction begins for the next regular quarter. These forms are available on request in the department office, the Records and Registration Office or at the Spokane Center and are submitted to the chair of the department concerned.
2. Discuss the conflict regarding the grade in a timely manner with the instructor concerned. If the discussion between the instructor and student does not lead to a resolution of the conflict and the student wishes to continue the appeal process, the student must confer with the chair or a designee regarding the proposed appeal. If the conflict is not resolved at this level, the chair or designee must provide a written explanation to the student within five working days. If the written explanation is not provided or if the student is not satisfied with this explanation, he/she may make an official grade appeal.
3. The Official Grade Appeal form must be filed in writing with the chair of the department concerned, normally not later than 30 working days after instruction begins for the next regular quarter. These forms are available on request in the department office, the Records and Registration Office or at the Spokane Center.
4. The official grade appeal is heard by a grade appeals board which will be convened no later than 20 working days after submission of the official grade appeal. This board is chaired by the department chair or a designee and serves in a nonvoting capacity. Other members include at least one faculty member and at least one student. Selection of the members is facilitated by the department chair or designee unless there is an obvious conflict of interest, in which case the dean or a designee shall do so. An equal number of members selected should be nominated by each party of the dispute. In addition, one faculty member mutually agreeable to both parties will be selected, thereby providing an odd number of voting members.

The appeal board does not have subpoena power, and every attempt will be made to be fair to both parties. The parties may offer exhibits and/or witnesses. The principals may not be represented by counsel or others, and the student appellant has the burden of proving by a preponderance of

the evidence (more probable than not), that such inappropriate grading procedures have occurred.

Within 10 working days of first convening the appeal board, through its chair, will submit its recommendation in writing to the faculty member concerned, with a copy to the appellant and the dean of the college.

Decisions recommended by the grade appeal board are advisory only. The final decision to change a grade lies with the instructor, except in cases where the instructor cannot or does not respond to the appeal board's recommendation or in cases where the appeal board's findings determine prejudiced or other inappropriate grading practices by the instructor. In these cases the final decision to change the grade lies with the dean. There is no further right of appeal.

Within 45 days of the final decision involving a recommended grade change, the chair of the appeal board shall notify in writing the appellant, the dean of the college and the chair of the department concerned of the decision of the appeal board and the faculty member's decision and action. When the final decision is made by the dean in the cases noted above, the dean shall implement the decision and shall make the proper written notification to the parties concerned.

Grading System

Grade Reports

At the end of each quarter, grades are available through EagleNET at www.eaglenet.ewu.edu, starting the Wednesday after finals. The report includes current institutional, transfer and all college cumulative GPA.

Letter Grades

Letter grade symbols in use at Eastern are:

NC (No Credit)	no credit granted, no grade points assigned
NR	not recorded, for work in progress
P (Passing)	credit granted, but no grade point assigned (not used when computing GPA).
W (Withdrawal)	withdrawal from a course or the University (not used when computing GPA).
X (Incomplete)	temporary grade; special circumstances prevent the student from completing the course (not used when computing GPA).
Y	for thesis, research, practicum and other activities requiring more than one quarter for completion; grade assigned at completion.

Letter grades are described in detail below:

Pass/No Credit (P/NC)

Undergraduate Pass/No Credit Grade Option (Department or Program Designated)

Departments or programs may choose to designate certain courses for pass/no credit grading. Regulations for pass/no credit grading are as follows:

1. The only courses which may be designated by the department as pass/no credit are non-college credit pre-university basic skills.
2. A 2.0 must be earned to receive a passing grade.
3. The “P” or “NC” grade will be entered on the transcript. Students receiving the “P” grade will not receive credits toward graduation. Neither the “P” nor the “NC” grade will be included in computing grade averages.

Undergraduate Pass/Fail Grade Option (Department or Program Designated)

Departments or programs may choose to designate only certain types of courses for pass/fail grading. Regulations for pass/fail grading are as follows:

1. Courses required for the following categories may not be designated pass/fail:
 - Major and minor requirements except as approved by the Undergraduate Affairs Council
 - Required supporting courses (courses required for the major or minor but not taught by the major or minor department) except as approved by the Undergraduate Affairs Council
 - Professional education requirements
 - Writing, mathematics and computer competency and proficiency requirements
 - General education core requirements
 - University graduation requirements
2. The types of courses which may be designated as pass/fail are:
 - Directed Studies
 - Seminars
 - Internships
 - Workshops
 - Practica
3. A 2.0 must be earned to receive a passing grade.
4. A "P" grade will not be calculated in the GPA, but will serve as credits toward graduation, except for non-college credit courses. A fail (0.0) grade will be calculated in the GPA.

Undergraduate Pass/No Credit Grade Option (Student Designated)

Students may choose the pass/no credit grading option in certain courses during the registration process. Regulations for pass/no credit grading are as follows:

1. At the time of registration, students must designate the courses for which they wish to receive a pass/no credit grade. They may change this designation by the regular change of registration procedure through the seventh week of the quarter.
2. Information indicating which students are enrolled on a pass/no credit basis will not appear on the instructor's class list. Grades will be changed from numerical grades assigned by the instructor to a pass/no credit grade by the Records and Registration Office.
3. Courses required for the following categories may not be taken pass/no credit:
 - Major and minor requirements (except as approved by the Undergraduate Affairs Council), including courses substituted for major courses.
 - Required supporting courses (courses required for the major or minor but not taught by the major or minor department)
 - Professional education requirements
 - Writing, mathematics and computer competency and proficiency requirements
 - General education core requirements
 - University Graduation requirements

4. The minimum level of performance required to receive a grade of "P" is a 2.0. Students should be aware that performance equal to a grade between 0.7 and 1.9 will not result in a passing mark.
5. The "P" or "NC" grade will be entered on the transcript. Students receiving the "P" grade will receive credits toward graduation. Neither the "P" nor the "NC" grade will be included in computing GPAs.

Incomplete (X)

Special circumstances, such as severe illness, or death of a family member may warrant an incomplete or "X" grade. An "X" grade may be assigned when the student is passing the course but is unable to complete all course requirements. Incomplete grades are only assigned to students who have been attending class and performed all necessary work up until the last three weeks of the quarter during the academic year or until the last two weeks of summer session.

Faculty assignment of an "X" grade requires submission of an Incomplete Conversion Form specifying:

- The work to be completed.
- The grade to be recorded if the student does not complete the work (may be 0.0).
- The amount of time given to complete the work (e.g., one quarter, two quarters, etc.).

Ongoing Thesis or Research Work (Y)

Students engaged in lengthy research projects or other courses that may extend for more than one quarter can be given a grade of "Y" until the project is complete and a final grade is assigned. Normally these courses are graduate research projects, theses, or internships.

Note: See the specific information on "Y" grades in the policy section in the front of this catalog under Graduate Studies.

Numerical grades:

Most courses at Eastern are graded numerically to the nearest tenth. A guide for equivalents are:

Numeric Grade Letter Grade Equivalent

4.0	A
3.9	
3.8	
3.7	A-
3.6	
3.5	
3.4	
3.3	B+
3.2	
3.1	
3.0	B
2.9	
2.8	
2.7	B-
2.6	
2.5	
2.4	
2.3	C+
2.2	
2.1	
2.0	C
1.9	
1.8	
1.7	C-
1.6	
1.5	
1.4	
1.3	D+
1.2	
1.1	
1.0	D
0.9	
0.8	
0.7	D-
0.0	F

Numerical grades and cumulative GPA

To compute cumulative GPA:

1. Multiply numerical grade by the number of credits assigned for each course to determine the quality points for each course. Add the total number of quality points (QP). (Pass/No Credit grades are not computed in the GPA.)
2. Add the total number of numerically graded credits, for the total number of quality hours (QH).
3. Divide the total number of quality points by the total number of quality hours for the cumulative GPA.

Example: (grade) x (credits) = (QP)

$$3.0 \times 4 = 12$$

$$2.3 \times 5 = 11.5$$

$$4.0 \times 2 = 8$$

$$\text{total credits (QH)} = 11 \qquad 31.5 = \text{total grade points (QP)}$$

$$(\text{QP}) / (\text{QH}) = \text{Cum. GPA}$$

$$31.5 / 11 = 2.863$$

Residency

Residency is determined at the time of formal admission to the University on the basis of information included in the University application for admission. Determination of residency is governed by the statutes and policies of the State of Washington. In general, to qualify for residency, a student must:

- have established a formal residence in Washington for other than educational purposes for at least 12 consecutive months prior to the first day of the quarter for which residency status is requested

or

- be a dependent student whose parent(s) or legal guardian(s) have maintained a bona fide residence in Washington 12 consecutive months prior to the first day of the quarter.

A student does not lose residency status because of service in another state or country while a member of the civil or military service, if that person maintains ties and returns to Washington within one year of discharge with intent of maintaining a residence in the state. However, maintaining residency ties in a former or other state (for example by keeping a driver's license) may invalidate claims to Washington residency.

For more information see Appendix C of this catalog, or call the Residency Officer for the University at: (509) 359-6592.

Washington State Address Confidentiality Program

This program, administered by the Office of the Secretary of State, provides address confidentiality to relocated victims of domestic violence. If you qualify as a participant, the program allows you to use a substitute mailing address with mail forwarding and service assistance. Please contact:

Address Confidentiality Program

PO Box 257

Olympia, WA 98507-0257

(360) 753-2972

Withdrawal from the University:

Please see the information on Schedule Changes under Records and Registration in the Student Services section of this catalog.

FACULTY DIRECTORY**Trustees, Senior University Administrators, Academic Deans, and Full-Time and Emeritus Faculty****BOARD OF TRUSTEES**

Mr. Gordon Budke
 Ms. Jo Ann Kauffman
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UNIVERSITY ADMINISTRATION

President
 Rodolfo Arévalo
 Interim Vice President for Academic Affairs and Provost
 Dr. Ronald Dalla
 Vice Provost for Academic Resources Administration and Planning
 Dr. Dorothy Zeisler-Vralsted
 Vice President for Business and Finance
 Mary Voves
 Vice President for Student Affairs
 William Ponder

The Six Colleges/School of Eastern Washington University

College of Arts and Letters
 College of Business and Public Administration
 College of Education and Human Development
 College of Science, Health and Engineering
 College of Social and Behavioral Sciences
 School of Social Work and Human Services

ACADEMIC DEANS

Philip D. Castille, PhD, Dean of the College of Arts and Letters
 Alan Coelho, PhD, Interim Dean of the College of Education and Human Development
 Dorothy Detlor, PhD, Dean of the Intercollegiate College of Nursing
 Michael L. Frumkin, PhD, Dean of the School of Social Work and Human Services
 Patricia M. Kelley, MLS, Dean of Libraries and Chief Information Officer
 Dolores T. Martin, PhD, Dean of the College of Business and Public Administration
 Vickie R. Shields, PhD, Dean of the College of Social and Behavioral Sciences
 Raymond A. Soltero, PhD, Dean of the College of Science, Health and Engineering

FULL-TIME FACULTY

The following list reflects the status of the Eastern Washington University faculty as of October, 2005. The date following each name is the academic year the faculty member was first hired by the university and does not necessarily imply continuous service since that time.

Aamodt, Patricia — 1989, Clinical Assistant Professor of Nursing — BSN, Moorehead State University; MSN, University of North Dakota
 Adams, Joseph — 2001, Instructor in Nursing — BSN, Montana State University; MSN, Gonzaga University
 Adler, Diane — 1993, Senior Lecturer in English as a Second Language — BS, Bowling Green State University; MA, Western Washington University
 Adolphson, Keith V. — 2002, Assistant Professor of Mathematics — BA, Gustavus Adolphus College; MA, MS, Naval Postgraduate School; PhD, University of Oklahoma
 Alden, Janine — 1992, Senior Lecturer in English as a Second Language — BS, Georgetown University; MA, California State University
 Allen, Carol — 1996, Senior Instructor in Nursing — BS, University of California at Los Angeles; MS, University of Portland
 Almeida, Deidre A. — 2001, Director of American Indian Studies and Associate Professor of American Indian Studies — BA, PhD, University of Massachusetts; MA, Stanford University
 Altshuler, Sandra J. — 2000, Associate Professor of Social Work — BA, University of Illinois, Urbana-Champaign; MSW, PhD, University of Illinois, Chicago
 Alvin, Barbara — 1983, Professor of Mathematics — BA, MS, Miami University; PhD, University of Washington
 Alvy, Harvey B. — 2000, Associate Professor of Education — BA, Yankton College; MS, City University of New York; Ed.D., University of Montana
 Anderson, Susan K. — 2001, Librarian II, Acquisitions/Electronic Resources Librarian — BA, University of Washington; MA, University of Arizona
 Anderson, Dennis W. — 2004, Lecturer in Psychology — BA, Gonzaga University; MS, Eastern Washington University
 Andrews, Marge E. — 2000, Lecturer in Spanish — BA, University of Connecticut; MA, Southern Methodist University
 Armstrong, Merry — 1995, Associate Professor of Nursing — BSN, San Diego State University; MSN, D.N.Sc., University of San Diego
 Arndt, Armin W., Jr. — 1972, Professor of Counseling, Educational and Developmental Psychology — BA, MA, PhD, University of California, Berkeley
 Askman, Tom K. — 1972, Professor of Art — BAEd., B.F.A., California College of Arts and Crafts; MFA, University of Colorado

Avery, Lisa — 2000, Associate Professor of Social Work — BS, Ball State University; MSW, PhD, University of Illinois, Chicago
 Babcock, Garth — 1998, Associate Professor of Physical Education, Health and Recreation — BS, MS, Brigham Young University; PhD, Texas Women's University
 Baker, Jane K. — 2005, Lecturer in Communication Studies — BA, MS, Eastern Washington University
 Baldwin, Beau — 2003, Assistant Football Coach — BEd, Central Washington University
 Banasik, Jacquelyn — 1983, Associate Professor of Nursing — BSN, PhD, Washington State University; M.N., University of Washington
 Barnes, Pamela J. — 1999, Senior Lecturer in Psychology — BA, University of San Diego; MS, Eastern Washington University
 Basham, Alan — 1995, Senior Lecturer in Counseling, Educational and Developmental Psychology — BA, MA, Biola University
 Bayne, M. Christina — 1974, Assistant Dean, Undergraduate Programs and Associate Professor of Nursing — BSN, College of St. Teresa; MS, University of Colorado
 Bazemore, Georgia B. — 2004, Lecturer in History — BA, Emory University; MA, PhD, University of Chicago
 Beal, Janis — 2005, Assistant Women's Basketball Coach — BS, Southern Utah University
 Bennett, Denise J. — 2001, Lecturer in Electronic Media and Film — BA, MA, Eastern Washington University
 Benson, Wade — 1996, Head Volleyball Coach
 Bermudez, SFC Elvin — 2005, Lecturer in Military Science
 Bhuta, Prakash H. — 1983, Professor of Biology — B.Sc., University of Bombay, Bombay, India; Dpl. Pharm. Bombay College of Pharmacy; M.Sc., University of Baroda, Baroda, India; PhD, University of Southwestern Louisiana
 Bickerstaff, Douglas D., Jr. — 1986, Associate Professor of Computer Science — BA, Phillips University; MS, University of Arkansas; MS, University of Missouri-Rolla; PhD, Kansas State University
 Bilich, Lisa A. — 2004, Lecturer in Dental Hygiene — BS, Eastern Washington University
 Bilous, Peter T. — 2003, Associate Professor of Chemistry/Biochemistry — B.Sc., M.Sc., University of Manitoba; PhD, McGill University
 Bindler, Ruth C. — 1974, Associate Professor of Nursing — BS, Cornell University; MS, University of Wisconsin; PhD, Washington State University
 Birch, Nancy J. — 1988, Professor of Decision Science — BS, University of Arizona; MBA, PhD, Arizona State University

FACULTY DIRECTORY

- Bittrick, Irene — 1998, Director, Alcohol and Drug Studies Program and Lecturer in Alcohol and Drug Studies and Director — BA, MA, Eastern Washington University
- Black, A. Ross — 1993, Professor of Biology — BS, University of Washington; MS, PhD, University of Wisconsin-Madison
- Blewett, Stephen D. — 1988, Professor and Director of Journalism — BA, MA, Eastern Washington University
- Boggs, Dona — 1997, Associate Professor of Biology — BA, Radcliffe/Harvard College; PhD, University of Montana
- Bolte, Linda A. — 1993, Professor of Mathematics — BA, Webster College; MA, University of Northern Colorado; MS, University of Iowa; PhD, University of Missouri
- Boonpongmanee, Chayanin — 2005, Assistant Professor of Nursing — BSN, Price of Songkla University, Thailand; MSN, University of Texas, Austin; PhD, Case Western Reserve University
- Bownds, Lynne M. — 1999, Associate Professor of Economics — BA, MA, PhD, University of Tennessee
- Braukmann, James — 1984, Professor of Engineering and Design — BAE, MEd, Eastern Washington University; PhD, University of Idaho
- Breen, Melinda E. — 2000, Assistant Professor of Engineering and Design — BA, University of Notre Dame; MA, Eastern Washington University; MFA, University of Idaho
- Briand, Geneviève — 2001, Assistant Professor of Economics — BS, MS, Ecole Supérieure D'Agriculture, Angers, France; MS, University of Wyoming; PhD, Washington State University
- Briggs, Lynn — 1994, Associate Dean, College of Arts and Letters and Professor of English and Director, University Writers' Center — BA, MA, St. Bonaventure University; PhD, Syracuse University
- Brock, Barbara — 1987, Professor of Physical Education, Health and Recreation — BS, Graceland College; MA, University of Iowa; Ed.D., Indiana University
- Brooks, Mary — 1989, Senior Lecturer in English as a Second Language and Director, English Language Institute Academic Program — BA, MAT., Gonzaga University
- Brown, Lu Ann — 2002, Lecturer in Social Work — BA, University of Northern Iowa; MSW, Eastern Washington University
- Brown, Rebecca L. — 2004, Assistant Professor of Biology — BS, George Washington University; PhD, University of North Carolina
- Brucker, Benjamin W. — 1972, Professor of Education — BA, Gonzaga University; MEd, Eastern Washington University; Ed.D., Arizona State University
- Brueggemeir, Paul G. — 2005, Lecturer in Music — BA, MA, Eastern Washington University
- Bruya, Margaret A. — 1979, Assistant Dean, Academic Health Services and Professor of Nursing — BSN, M.N., University of Washington; D.N.Sc., Boston University
- Brzoska, Michael — 1983, Associate Dean, School of Computing and Engineering Sciences and Professor of Engineering and Design — BS, MS in M.E., PhD, Washington State University
- Buchanan, John P. — 1984, Professor of Geology — BS, Southern Illinois University; MS, PhD, Colorado State University
- Buckingham, Polly — 2001, Lecturer in English — BA, Eckerd College; MFA, Eastern Washington University
- Buckley, Michael — 2001, Visiting Assistant Professor of Government — BA, University of California, Santa Barbara; MA, California State University, Long Beach
- Bunting, David C. — 1971, Professor of Economics — BS, MA, Ohio State University; MS, University of Wisconsin; PhD, University of Oregon
- Burns, Michael — 2004, Head Men's Basketball Coach — BS Central Washington University
- Busse, Larry L. — 2004, Visiting Assistant Professor of Counseling, Educational and Developmental Psychology — BA, Washington State University; MEd, Central Washington University; PhD, University of Washington
- Buxton, Jeffrey W. — 2004, Lecturer in Marketing — BA, Drake University; MBA, DePaul University
- Buxton, Theresa — 2002, Instructor in Nursing — BSN, Texas Woman's University; MSN, PhD, Gonzaga University
- Byrnes, Edward C. — 2003, Assistant Professor of Social Work — BS, MSW, PhD, University of Utah
- Cameron, Alexander B. — 1981, Professor of Accounting — BA, MBA, Eastern Washington University; PhD, University of Utah; C.P.A., C.MA
- Camp, Bernard L. — 2005, Lecturer in Alcohol Drug Studies — BS, MS, University of Wisconsin, Oshkosh
- Canada, Daniel L. — 2003, Assistant Professor of Mathematics — BS, Biola University; MS, Western Washington University; PhD, Portland State University
- Capaul, Thomas B. — 2000, Senior Lecturer in Computer Science — BA, MS, Eastern Washington University
- Capetillo, Daniel — 2002, Lecturer in Social Work — BA, Central Washington University; MSW, Eastern Washington University
- Cardell, Becky — 1991, Clinical Associate Professor of Nursing — BSN, State University of New York-Albany; M.N., Washington State University; PhD, Rush University
- Carlberg, Karen A. — 1983, Professor of Biology — BS, University of Washington; MS, PhD, University of New Mexico
- Carnegie, Teena A. M. — 2003, Assistant Professor of English — BA, University of British Columbia; MA, PhD, University of Waterloo
- Carpenter, Marilyn — 1997, Professor of Education — BA, California State University, L.A.; MA, Claremont Graduate School; PhD, University of Arizona, Tucson
- Castille, Philip D. — 2000, Dean, College of Arts and Letters and Professor of English — BA, PhD, Tulane University; MA, University of North Carolina at Chapel Hill
- Chadez, Louise — 2004, Lecturer in Social Work — BS, University of Idaho; MSW, University of Washington
- Chantrill, Patricia — 1999, Associate Professor of Communication Studies — BA, MA, Idaho State University; PhD, Washington State University
- Chapman, Susan M. — 2004, Lecturer in Counseling, Educational and Developmental Psychology — BS, Valdosta State University; MEd, Eastern Washington University
- Chase, Matthew R. — 2000, Associate Professor of Physical Education, Health and Recreation — BS, Oregon State University; MS, University of Oregon; PhD, Gonzaga University
- Cherrier, Becky — 1991, Instructor in Nursing — BSN, South Dakota State University; M.N., University of California-Los Angeles
- Christensen, Sandra L. — 1990, Professor of Management — BA, MBA, University of California-Berkeley; MBA, Golden Gate University; PhD, University of Washington
- Choppala, Sheela — 2004, Assistant Professor of Nursing — BSN, Southern College of Seventh-Day Adventists; MS, Oregon Health Science University
- Clark, Christine — 1998, Lecturer in Social Work — BA, Whitworth; MSW, Boston University
- Clark, R. William — 1987, Professor of Computer Science — BS, Marietta College; MS, Washington State University; PhD, University of Washington
- Cleanthous, Charalambos — 1996, Associate Professor of Counseling, Educational and Developmental Psychology — BA, Sterling College; MS, Fort Hays State University; PhD, University of Kansas
- Clewett, Elizabeth C. — 2004, Associate Professor of Education — BS, University of Maryland; MS, PhD, University of Oregon
- Clute, Mary Ann — 2000, Lecturer in Social Work — BA, Washington State University; BA, MSW, Eastern Washington University
- Coelho, Alan — 1992, Interim Dean College of Education and Human Development, Professor of Physical Education, Health and Recreation — BA, MA, California State University, Fresno; Ed.D., University of Northern Colorado

FACULTY DIRECTORY

- Cogley, John P. — 1978, Professor of Physical Education, Health and Recreation — BA, Iowa State University; MA, University of Iowa; Ed.D., University of Northern Colorado
- Compau, Jennifer — 2005, Lecturer in Art — Bachelor of General Studies, Gonzaga University; MA, Eastern Washington University
- Conlin, Kathryn M. — 2005, Assistant Professor of Dental Hygiene — BS, MS, Eastern Washington University
- Conlin, Michael F. — 2000, Assistant Professor of History — BA, Miami University; MA, PhD, University of Illinois, Urbana-Champaign
- Coomes, Jacqueline R. — 2005, Assistant Professor of Mathematics — BS, University of California, Davis; MS, Eastern Washington University
- Cooney, Vance — 1999, Assistant Professor of Management Information Systems — BA, Eastern Washington University; PhD, University of Arizona
- Corbett, Cynthia — 1996, Associate Professor of Nursing — BA, Carroll College; M.N., Whitworth College; PhD, Loyola University
- Corkill, Jeffrey A. — 1981, Professor of Chemistry/Biochemistry — BA, MA, University of Cambridge, Churchill College; MS, University of Washington; PhD, Exeter University
- Couraud, Thomas K. — 2005, Lecturer in Engineering and Design — BA, MS, Eastern Washington University
- Coy, Jimmie L. — 2000, Lecturer in English — BAE, MA, Eastern Washington University
- Creasman, Grace — 2001, Lecturer in Alcohol and Drug Studies — BA, MEd, Eastern Washington University
- Crofoot, Thomas L. — 2004, Associate Professor of Social Work — BA, The Evergreen State College; MSW, Portland State University; PhD, University of Washington
- Cutler, Cynthia M. — 1981, Professor of Integrative Studies — BS, Eastern Washington University; MS, University of Washington; PhD, Gonzaga University
- Dalla, Ronald H. — 1970, Interim Vice President for Academic Affairs and Provost and Professor of Mathematics — BA, Fort Lewis College; MEd, Washington State University; MS, PhD, University of Wyoming
- Dalley, Mahlon B. — 1996, Associate Professor of Psychology — BS, MS, Utah State University; PhD, University of Northern Colorado
- Davis, Diane R. — 1992, Professor of Social Work — BA, University of Oregon; MSS.W., University of Texas at Austin; PhD, University of Texas at Austin
- Davis, Larry N. — 2005, Lecturer in Marketing — BA, MEd, University of Texas, Austin
- Dawson, Lorrie — 2004, Director of Southeast and Central Washington Nursing Programs — BSN, MS, Brigham Young University; PhD, University of Utah
- Dean, Michele — 2001, Instructor in Nursing — BSN, Pacific Lutheran University; M.N., Washington State University Intercollegiate College of Nursing
- Dean, Robert D. — 2001, Assistant Professor of History — BA, University of Colorado; MA, PhD, University of Arizona
- Decker, Kevin S. — 2005, Assistant Professor of Philosophy — BA, McKendree College; PhD, St. Louis University
- DelGiudice, Todd T. — 2005, Assistant Professor of Music — BM, University of Miami; MM, University of Oregon
- Detlor, Dorothy — 1997, Dean, Intercollegiate College of Nursing and Professor of Nursing — BSN, Whitworth College; MSN, University of Maryland; PhD, Gonzaga University
- DeVuono, Lanny — 1991, Professor of Art — BA, Antioch University; MFA, Mills College
- DiMarco, Arthur C. — 2002, Assistant Professor of Dental Hygiene — BS, Dickinson College; D.M.D., Medical University of South Carolina
- Donnerberg, Jeffrey L. — 1990, Associate Professor of Engineering and Design — BS, Bowling Green State University; MA, Ed.D., University of Minnesota
- Dorwin, John T. — 2003, Lecturer in Anthropology — A.B., MA, PhD, Indiana University
- Doughty, Paul T. — 2000, Assistant Professor of Geology — BA, Washington University, St. Louis; MS, University of Montana; PhD, Queen's University
- Doutrich, Dawn — 1998, Assistant Professor of Nursing — BSN, ICN/Washington State University College of Nursing; MS, PhD, Oregon Health Sciences University
- Dowd, Diane S. — 1995, Associate Professor of Mathematics — BA, Asbury College; MA, California State University; PhD, Washington State University
- Dowd, Joe E. — 1999, Associate Professor of Accounting — BS, Central Washington University; MBA, University of Georgia; PhD, University of Texas, Austin
- Dreves, Patrick — 2004, Head Tennis Coach — BA Whitworth College
- Dupler, Alice — 2001, Clinical Assistant Professor of Nursing — BSN, Eastern Washington University; MSN, University of Portland
- Durfee, Jason K. — 2004, Assistant Professor of Engineering and Design — BS, MS, Brigham Young University
- Duman, Carl J. — 2004, Lecturer in Social Work — BA, Mount Angel Seminary College; Bachelor of Theology, Universitas de San Tommaso in Urbe (Angelicum University) in Rome, Italy; Master of Theology, Universitas Gregoriana (Gregorian University), Rome; MSW, Portland State University
- Dvoracek, Carlene — 1998, Lecturer in Social Work — BA, MEd, University of Montana; MEd, MSW, Eastern Washington University
- Eager, Wendy M. — 1998, Senior Lecturer in Management — BA, State University of Potsdam; MS, State University of New York, Binghamton; PhD, Pennsylvania State University
- Eagle, David M. — 1989, Associate Professor of Finance — BA, University of Montana; MA, PhD, University of Minnesota
- Early, J. David — 1999, Lecturer in Physical Education, Health and Recreation — BA, MEd, Eastern Washington University
- Ebey, Tara L. — 2002, Lecturer in Education — BA, Northwestern College; MEd, Eastern Washington University
- Eddy, Linda — 2004, Assistant Professor of Nursing — BSN, Oregon Institute of Technology; MSN, California State University; PhD, Oregon State University
- Edquist, Kristin — 2003, Assistant Professor of Government — BA, University of Puget Sound; MA, PhD, University of Washington
- Ehrmin, Mary C. — 2005, Lecturer in Social Work — BM, University of Southern California; MSW, University of Washington
- Eide, Phyllis J. — 2002, Assistant Professor of Nursing — BSN, Pacific Lutheran University; MS, University of Hawaii; PhD, University of Colorado
- El-Alayli, Amani — 2003, Assistant Professor of Psychology — BA, University of Michigan; MA, PhD, Michigan State University
- Elder, Dana C. — 1984, Professor of English — BA, MA, University of Washington; PhD, Washington State University
- Elfering, Melissa — 1999, Lecturer in Physical Education, Health and Recreation — BAE, MS, Eastern Washington University
- Emerson, Roberta — 1981, Associate Professor of Nursing — BSN, M.N., University of Washington; PhD, Gonzaga University
- Eng, Joseph S. — 1999, Associate Professor of English — BA, Shue Yan University, Hong Kong; MA, University of Southwestern Louisiana; PhD, Illinois State University
- Engene, Gene L. — 1970, Professor of Theatre — A.B., Whitman College; MFA, Stanford University
- Erikson, Nancy — 1994, Senior Associate in Physical Therapy — BS, Kansas State University; Certificate of Physical Therapy, Mayo Foundation School of Physical Therapy; MS, University of North Dakota
- Erikson, Walter H. — 1990, Senior Associate in Physical Therapy — BS, Kent State University; Certificate in Physical Therapy, Mayo Foundation School of Physical Therapy; MS, University of Minnesota

FACULTY DIRECTORY

- Evans, Edie V. — 1969, Professor of Theatre — BS, Eastern Montana College; MS, Washington State University; PhD, University of Washington
- Feeney, Kendall — 1995, Lecturer in Music — BM, MM, University of Southern California
- Finnie, Scott M. — 2002, Assistant Professor of African American Education — BA, MA, PhD, Gonzaga University
- Flinn, Anthony M. — 1991, Associate Professor of English — BA, Grinnell College; MA, PhD, University of Washington
- Folsom, Michael M. — 1970, Professor of Geography — BS, Portland State University; MA, PhD, Michigan State University
- Forsyth, Grant D. — 1999, Associate Professor of Economics — BA, Central Washington University; MBA, University of Oregon; PhD, Washington State University
- Frankenfield, Kathryn P. — 2004, Lecturer in Occupational Therapy — BS, University of Washington
- Frumkin, Michael L. — 1991, Dean, School of Social Work and Human Services and Professor of Social Work — BA, New York University; MSW, University of Michigan; PhD, Brandeis University
- Fuller, Donald R. — 2004, Associate Professor of Communication Disorders — BSE., MSP., Arkansas State University; PhD, Purdue University
- Fulton, Anna — 1996, Instructor in Nursing — BSN, Washington State University Intercollegiate College of Nursing; MSN, Gonzaga University
- Furness, Melissa J. — 2002, Assistant Professor of Art — BA, Coe College, Cedar Rapids, Iowa; MA, MFA, University of Iowa
- Gabriel, Jennifer — 2004, Instructor in Nursing — BSN, Pacific Union College; MSN, California State University
- Gallagher, James J. — 2005, Assistant Professor of Chemistry/Biochemistry — BS, University of Nebraska, Lincoln; PhD, Princeton University
- Gallimore, Courtney L. — 2005, Visiting Assistant Professor of Economics — BA, Florida International University; MS, University of Illinois, Urbana-Champaign; PhD, Iowa State University
- Galm, Jerry R. — 1991, Professor of Anthropology — BA, Michigan State University; MA, PhD, Washington State University
- Garcia, Gilbert — 1988, Senior Lecturer in Chicano Studies — BA, Loyola University; PhD, University of California, Riverside
- Garcia-Sanchez, Jose Maria — 1998, Associate Professor of Spanish — Licenciado, University of Salamanca; MA, PhD, Arizona State University
- Garraway, W. Dale — 2003, Assistant Professor of Mathematics — BS, Simon Fraser University; MS, PhD, Dalhousie University
- Gass, Gerri — 1999, Instructor in Nursing — BSN, Memphis State University; MSN, Arkansas State University
- Geddes, Lori A. — 2002, Assistant Professor of Economics — BS, University of Wisconsin-Whitewater; MA, PhD, University of Wisconsin-Milwaukee
- Gentle, Ronald S. — 1990, Professor of Mathematics — BS, University of Toronto; MS, PhD, University of British Columbia
- Gersh, Meryl R. — 1986, Professor of Physical Therapy — BS, State University of New York at Buffalo; M.S., Emory University
- Gibson, Flash — 1971, Professor of Biology — BA, Eastern Washington University; MA, PhD, Oregon State University
- Gilbert, Michael I. — 2003, Assistant Professor of Mathematics — BA, Arizona State University; MEd, PhD, University of Washington
- Gilmour, Ernest H. — 1967, Professor of Geology — BS, University of Southern California; MS, PhD, University of Montana
- Goering, David K. — 1990, Senior Lecturer in Mathematics — BA, University of Kansas; MS, Eastern Washington University
- Graham, Michael C. — 2000, Lecturer in Mathematics — BA, MS, Eastern Washington University
- Graves, Jody C. — 2003, Assistant Professor of Music/Piano — BM, Eastern Washington University; MM, Catholic University of America; D.M., Eastman School of Music
- Green, Paul J. — 1981, Professor of Physical Education, Health and Recreation — BA, Eastern Washington University; MA, University of Northern Colorado; Ed.D., University of Oregon
- Greene, Logan D. — 2004, Assistant Professor of English — BA, University of California, Berkeley; MA, University of Oregon; PhD, University of New Mexico
- Gribble-Neal, Iris — 2000, Lecturer in English — BA, MA, Eastern Washington University
- Griffin, Maria L. — 2003, Lecturer in English — BS, MA, Eastern Washington University
- Grinder, Brian E. — 1992, Associate Professor of Finance — BA, Big Sky Bible College; MA, MBA, Fort Hays State University; PhD, Washington State University
- Gruber, Edward — 1999, Assistant Dean, Graduate Program and Clinical Professor — BSN, California State University at Chico; MSN, The University of Texas Health Science Center at San Antonio; PhD, Gonzaga University
- Guillory, Raphael M. — 2002, Assistant Professor of Counseling, Educational and Developmental Psychology — BA, Eastern Washington University; MEd, PhD, Washington State University
- Gunning, Eric — 2001, Assistant Athletic Trainer — BS, Eastern Washington University; MS, University of Kansas
- Haberman, Mel — 1998, Associate Dean for Research — BSN, Washington State University; M.N., PhD, University of Washington
- Hageage, George — 2000, Head Soccer Coach — BS, University of Richmond; MA, University of Toledo
- Hageage, Tamara — 2000, Assistant Soccer Coach — BA, University of Washington; MA, University of Toledo
- Hahn, Laura — 1991, Clinical Assistant Professor and Program Coordinator for Central Washington — BSN, Washington State University; MSN, University of Portland
- Hamel, Ray O. — 1970, Professor of Computer Science — BS, MS, University of Wisconsin, Madison; PhD, University of Oregon
- Hammermeister, Jon J. — 1999, Associate Professor of Physical Education, Health and Recreation — BA, University of California, San Diego; MS, PhD, University of Idaho
- Hancock, Thomas V. — 2004, Assistant Professor of Biology — BS, Willamette University; BS, MS, Portland State University; PhD, University of Colorado, Boulder
- Hansen, Angie — 2002, Assistant Athletic Trainer — BS, Eastern Washington University; MS, University of Idaho
- Hansen, Christian K. — 1993, Professor of Mathematics — MS, PhD, The Technical University of Denmark
- Hasan, Syed M. Jameel — 1969, Professor of Management — B.Commerce., M.Commerce., University of Karachi; MBA, University of Southern California
- Hathaway, Nancy — 2001, Assistant Professor of Art — BA, Eastern Washington University; MFA, University of Idaho
- Hauge, Rodger C. — 2001, Lecturer in Education — BA, University of California, Santa Barbara; BS, Central Washington University; MS, Eastern Washington University
- Hawley, Thomas M. — 2003, Assistant Professor of Government — BA, Whitman College; MA, PhD, University of Hawaii, Manoa
- Headley, James E. — 1999, Associate Professor of Government — BA, University of Washington; J.D., Gonzaga University School of Law
- Heady, Margaret L. — 1999, Associate Professor of French — BA, MA, University of Colorado, Boulder; PhD, University of Massachusetts, Amherst
- Hebron, Lui — 2002, Assistant Professor of Government/International Affairs — BA, University of Florida; MA, The American University; MA, State University of New York, Binghamton; PhD, Florida State University

FACULTY DIRECTORY

- Hechtman, Todd A. — 1999, Associate Professor of Sociology — BA, Northwestern University; MA, PhD, University of California, Santa Barbara
- Hernandez-Peck, Maria C. — 1981, Associate Professor of Social Work — BA, Barry College; MSS.W., University of Louisville; PhD, University of Denver
- Hennessy, Valerie — 2001, Instructor in Nursing — BSN, Washington State University; MSN, Gonzaga University
- Hering, Seville — 2004, Lecturer in Communication Studies — BA, MS, Eastern Washington University
- Herr, Charles M. — 1994, Associate Professor of Biology — BS, University of Wyoming; PhD, Washington State University
- Heyen, Neil — 1995, Senior Lecturer in English as a Second Language — BA, Shimer College; MA, University of Illinois
- Hicks, Gail F. — 1974, Professor of Psychology — BS, Michigan State University; MS, PhD, Washington State University
- Higgs, Zana R. — 1974, Professor of Nursing — BSN, University of Kansas; MEd, Ed.D., Teachers College, Columbia University
- Higman, Perry C. — 1971, Director of the University Honors Program and Professor of Spanish — BA, Pomona College; MA, PhD, University of Iowa
- Hilton, Dan — 2002, Head Cross Country Coach — BA, Eastern Washington University
- Hirsch, Anne — 1998, Professor of Nursing and Senior Associate Dean for Academic Affairs — BSN, Washington State University; MSN, University of Washington; D.N.S., University of Indiana
- Hoang, Phu D. — 2002, Assistant Professor of Counseling, Educational and Developmental Psychology — BA, Saigon University, Vietnam; MEd, University of Puget Sound; PhD, University of Washington
- Hoeksel, Renee — 1990, Professor of Nursing — BSN, Southern Oregon State College; M.N., PhD, Oregon Health Sciences University
- Holmes, Jeffrey — 2003, Lecturer in English — BA, MA, Eastern Washington University
- Holmes, Wendy M. — 1999, Assistant Professor of Occupational Therapy — BS, University of North Dakota; MS, University of Colorado Health Sciences Center
- Horner, William C. — 1976, Professor of Social Work — BS, University of Oregon; MSW, California State University-San Diego; D.S.W., University of California, Berkeley
- Houser, Brian D. — 1990, Professor of Physics — BS, University of Michigan; MS, PhD, University of Washington
- Howell, Carl — 2003, Assistant Men's Basketball Coach — BS, Central Washington University
- Howell, Christopher — 1996, Professor of English/Creative Writing — BS, Oregon State University; MA, Portland State University; MFA, University of Massachusetts
- Hudnall, Carolyn — 2000, Lecturer in Social Work — BA, Whitworth College; MSW, University of British Columbia
- Hughes, Marc — 1998, Golf Coach — BA, Central Washington University
- Hurand, Fred A. — 1977, Professor of Urban and Regional Planning — B. Arch., Ohio State University; M.U.R.P., University of Washington; PhD, Pennsylvania State University
- Huttenmaier, Kathleen — 1993, Senior Associate in History and Women's Studies — BA, MA, Eastern Washington University
- Imamura, Kosuke — 2003, Assistant Professor of Computer Science — BS, Christopher Newport College; MS, Western Washington University; PhD, University of Idaho
- Indahl, Pamela J. L. — 2003, Lecturer in Criminal Justice — BA, Pacific Lutheran University; MSW, Eastern Washington University; J.D., George Mason School of Law, Arlington, VA
- Inoue, Atsushi — 2002, Associate Professor of Computer Science — BS, MS, Eastern Washington University; PhD, University of Cincinnati
- Islam-Zwart, Kayleen A. — 2001, Assistant Professor of Psychology — BS, Mankato State University; MS, Idaho State University; PhD, University of Idaho
- Jack, Roger — 2005, Lecturer in American Indian Studies — BA, BA/Ed., MFA, Eastern Washington University
- Jackson, Nick — 1996, Interim Associate Dean, College of Education and Human Development, Associate Professor of Counseling, Educational and Developmental Psychology — BA, MA, PhD, University of Kansas
- Jackson, Roberta A. — 1999, Senior Lecturer in Communication Disorders — BA, MA, University of California, Santa Barbara
- Jansen, G. Golieda — 1992, Associate Professor of Social Work — BA, C.I.C.S.A., School of Social Work and Human Services, Amsterdam; MSW, Eastern Washington University; PhD, University of Illinois, Urbana-Champaign
- Johns, Carol — 1996, Director of Professional Development — BSN, Pennsylvania State University; MSN, University of Maryland
- Johnson, Jonathan L. — 1999, Assistant Professor of English/Creative Writing — BS, MA, Northern Michigan University; PhD, Western Michigan University
- Jones, Maragaret — 1998, Instructor in Nursing — BSN, M.N., Washington State University Intercollegiate College of Nursing
- Kahn, David — 2005, Professor of Nursing — BSN, St. Louis University; M.N., PhD, University of Washington
- Kaplan, Louise — 2001, Assistant Professor of Nursing — BA, Simmons College Boston; M.N., University of Washington; PhD, Brandeis University
- Karier, Thomas M. — 1981, Director of the Center for Natural Resources and Professor of Economics — BS, University of Illinois, Urbana-Champaign; MA, PhD, University of California, Berkeley
- Kasuga, Sidney K. — 1970, Professor of Biology — BA, Lewis and Clark College; MS, PhD, University of Montana
- Katz, Janet — 1999, Assistant Professor of Nursing — BSN, Intercollegiate College of Nursing; MSN, PhD, Gonzaga University
- Kawaguchi, Jeffrey K. — 2003, Assistant Professor of Physical Education, Health and Recreation — BS, Washington State University; BS, Northwestern University; MEd, PhD, University of Virginia
- Keller, Sarah A.C. — 1966, Professor of Anthropology — A.B., Lawrence College; PhD, Harvard University
- Kelley, Patricia M. — 1994, Dean of Libraries and Chief Information Officer and Librarian IV — BA, University of Colorado; M.L.S., University of Maryland; MA, George Washington University
- Kelley, Russell — 2002, Instructor of Nursing — BSN, M.N., Washington State University Intercollegiate College of Nursing
- Kelley, William J. — 1978, Professor of Urban and Regional Planning — BA, Pan American University; M.U.R.P., Texas A and M University
- Kenney, Garrett C. — Assistant Professor of English/Religious Studies — R.B.A, Whitworth College; B.D., Spokane Bible College; MA, PhD, Gonzaga University
- Keogh-Hoss, Mary Ann — 2002, Assistant Professor of Health Services Administration — BA, Creighton University; MS, Eastern Washington University; PhD, Gonzaga University
- Kerr, Stanley — 1995, Head Men's Track and Field Coach — BA, MS, Eastern Washington University
- Kiefer, Dean B., Jr. — 2001, Assistant Professor of Finance — B.E., Stevens Institute of Technology; MA, University of Toledo; MBA, University of Akron; PhD, University of New Orleans; C.F.A.
- Kieffer, Linda M. — 1989, Associate Professor of Computer Science — BA, MS, Eastern Washington University; PhD, University of Idaho
- Kieswetter, James K. — 1968, Professor of History — BM, MA, PhD, University of Colorado
- Kinney, Chad A. — 2003, Assistant Professor of Chemistry/Biochemistry — BA, University of California, San Diego; PhD, Colorado School of Mines

FACULTY DIRECTORY

- Kiser, Larry L. — 1971, Associate Vice Provost for Faculty Development and Professor of Economics — BS, Edinboro State College; PhD, Rutgers University
- Kissling, Elizabeth A. — 1993, Professor of Communication Studies — A.B., A.M., PhD, University of Illinois-Urbana
- Klyukanov, Igor E. — 1999, Associate Professor of Communication Studies — BA, MA, Tver State University, Russia; PhD, Saratov State University, Russia
- Koh, Min-sung — 2002, Assistant Professor of Engineering and Design — B.E., MS, Ulsan University, Ulsan, South Korea; PhD, Washington State University
- Kohler, Elizabeth S. — 1999, Associate Professor of Occupational Therapy — BA, Ohio University; MS, University of Puget Sound; Ed.D., University of Montana
- Kolts, Russell L. — 1999, Associate Professor of Psychology — BS, Oklahoma State University; MA, PhD, University of Mississippi
- Kraft, Wayne B. — 1968, Professor of German — BA, Washington State University; MA, University of Washington; PhD, University of Illinois, Urbana-Champaign
- Kristiansen, Morten — 2004, Assistant Professor of Music — BA, Mary Washington College; M.P., PhD, Yale University
- Krug, Gary J. — 2002, Assistant Professor of Communication Studies — BA, University of Southern Mississippi; MA, PhD, University of Illinois, Urbana-Champaign
- Kusz, Natalie — 2001, Assistant Professor of English/Creative Writing — BA, MFA, University of Alaska, Fairbanks
- Kydd, Miles D.P. — 2004, Assistant Volleyball Coach — BEd, University of Regina, Saskatchewan
- Lam, Pui-Yan — 2001, Assistant Professor of Sociology — BA, San Jose State University; MA, PhD, Washington State University
- Lane, Jane M. — 2005, Lecturer in Mathematics — BA, University of Washington; M.Sc., Montana State University
- Lange, David J. — 2005, Lecturer in English — BA, MA, Eastern Washington University
- LaPier, Tanya L. Kinney — 2003, Assistant Professor of Physical Therapy and Distinguished Professor of Physical Therapy — BS, Ithaca College; MS, State University of New York, Buffalo; PhD, Idaho State University
- Lattimore, Sheryl — 2001, Lecturer in English as a Second Language — BA, Gonzaga University; MA, Eastern Washington University
- Lavitt, Melissa — 2004, Associate Dean, School of Social Work and Human Services and Professor of Social Work — BA, University of Chicago; MSW, PhD, Tulane University
- LeBar, Ann — 1991, Associate Professor of History — BA, University of Montana; MA, PhD, University of Washington
- Leep, Grant — 2005, Assistant Men's Basketball Coach — BA, University of Washington
- Lege, Fred C. — 2002, Clinical Assistant Professor of Nursing — BSN., University of Texas; MSN, University of Arkansas
- Leitner, Christine L. — 2005, Lecturer in Communication Disorders — BA, MA, Washington State University
- Lemelin, Robert J., Jr. — 1999, Lecturer in Computer Science — BAE, MEd, Eastern Washington University
- Lentz, Anthony J. — 2003, Visiting Assistant Professor of Biology — BS, PhD, Michigan State University; MS, University of Washington
- Leonard, Bethany A. — 2002, Lecturer in Counseling, Educational and Developmental Psychology — BA, Whitworth College; MEd, Eastern Washington University
- Levin-Stankevich, Brian — 2003, Interim President and Professor of Counseling, Educational and Developmental Psychology — BA, Hamilton College; MA, PhD, State University of New York at Buffalo
- Lewis, Tammy E. — 2004, Visiting Assistant Professor of Physical Therapy — BS, Ohio State University
- Lightfoot, Donald R. — 1983, Associate Professor of Biology — BA, University of Redlands; MS, PhD, University of Arizona
- Lightfoot, Haideh Nezam — 1979, Professor of Biology — BS, Queen Elizabeth College, University of London; MS, University of Teheran; PhD, Oregon Health Sciences University
- Ligon, Samuel W. — 2004, Assistant Professor of English/Creative Writing — BA, University of Illinois, Urbana-Champaign; MA, University of New Hampshire; MFA, New School University, New York
- Limpaphayom, Wanthanee — 2005, Assistant Professor of Management — B.BA, Chulalongkorn University, Bangkok, Thailand; MBA, University of Wisconsin, Whitewater; PhD, University of Mississippi
- Lindekugel, Dale M. — 1987, Professor of Sociology — BSEd, Minot State College; MA, University of North Dakota; PhD, University of Montana
- Lindholdt, Paul — 1994, Associate Professor of English — BA, MA, Western Washington University; PhD, Pennsylvania State University
- Lishner-Miller, Kris — 1988, Associate Professor of Nursing — BSN, University of Utah; MSN, University of Kentucky; D.N.S., Indiana University
- Liu, Jing-qui — 1998, Associate Professor of Education — BA, Shanxi University; MS, PhD, Iowa State University
- Loendorf, William R. — 2002, Assistant Professor of Engineering and Design — BS, University of Wisconsin-Parkside, Kenosha; MS, Colorado State University; MBA, Lake Forest Graduate School of Management
- Logan, Judy K. — 1996, Associate Professor of English — BA, Whitworth College; MA, Eastern Washington University; PhD, University of North Carolina, Chapel Hill
- Lohan, Janet — 1997, Senior Instructor in Nursing — BSN, Georgia State University; MS, PhD, University of Washington
- Lovat, Darin — 2002, Strength and Conditioning Coach — BS, University of Nevada-Las Vegas; MS, Austin Peay State University
- Love, Daniel E. — 2004, Lecturer in Chemistry and Biochemistry — BS, Grove City College; PhD, University of Pittsburgh
- Lungstrom, Naomi — 1998, Instructor in Nursing — BSN, Pacific Lutheran University; M.N., University of Washington
- Luse, Patricia L. — 1996, Associate Professor of Education — BA, Eastern Washington University; MA, George Mason University; Ed.D., Washington State University
- Luton, Lawrence (Larry) S. — 1984, Professor of Public Administration — BS, University of Tennessee; MA, PhD, Claremont Graduate School
- Mackelprang, Romel W. — 1987, Professor of Social Work — BS, MSW, D.S.W., University of Utah
- MacMullan, Terrance — 2002, Assistant Professor of Philosophy — BA, Hamilton College; MA, PhD, University of Oregon
- Mager, John — 1987, Professor of Marketing — BS, California State University, Northridge; MS, PhD, University of Oregon
- Maldonado, Carlos — 1987, Director of Chicano Education Program and Associate Professor of Chicano Studies — BA, California State College; MA, San Jose State University; PhD, University of Oregon
- Maldonado, Rachel L. — 1999, Associate Professor of Marketing — BA, MBA, Eastern Washington University; PhD, Washington State University
- Manson, Jamie L. — 2003, Assistant Professor of Chemistry/Biochemistry — BS, Eastern Washington University; PhD, University of Utah
- Marchand-Martella, Nancy E. — 1995, Professor of Counseling, Educational and Developmental Psychology — BA, Purdue University; MS, Southern Illinois University; PhD, Utah State University
- Marinucci, Mary Ellen — 2000, Assistant Professor of Women's Studies and Philosophy — BA, University of Delaware; PhD, Temple University
- Marshall, John — 1994, Professor of Music — BM, Indiana University; MM, Yale University

FACULTY DIRECTORY

- Martella, Ronald C. — 1995, Professor of Counseling, Educational and Developmental Psychology — BA, Fort Lewis College; MS, Southern Illinois University; MBA, PhD, Utah State University
- Martin, Dolores Tremewan — 2001, Dean, College of Business and Public Administration and Professor of Public Administration — BS, MA, University of Nevada; PhD, Virginia Polytechnic Institute and State University
- Martin, Theresa J. — 1991, Director, Office of Institutional Research, Demography and Assessment and Professor of Psychology — BS, MS, PhD, Iowa State University
- Matthews, John D. — 2005, Assistant Professor of Social Work — BSW, North Carolina; MSW, Radford University; PhD, Virginia Commonwealth University
- May, David A. — 1999, Associate Professor of Government — BA, Whitman College; MA, PhD, Washington State University
- McCollum, Linda B. — 1983, Professor of Geology — BS, MS, University of California, Davis; PhD, State University of New York, Binghamton
- McDermid, Melissa E. — 2004, Lecturer in Mathematics — BA, MS, Eastern Washington University
- McDowell, Theresa L. — 2005, Lecturer in Social Work — BA, Columbia College; MSW, Walla Walla College
- McGinty, Robert L. — 1980, Professor of Management — BS, MS, University of Idaho; PhD, University of Denver
- McGinty, Susan L. — 1982, Professor of English — BS, University of Idaho; MA, Lehigh University; PhD, University of Denver
- McGonigle, William J. — 1978, Associate Professor of Accounting — BA, BS, MA, University of Arizona; J.D., Gonzaga University; C.P.A., State of Washington
- McGoran, Ernest C. — 1966, Professor of Chemistry/Biochemistry — BS, University of Oregon; PhD, University of California, Berkeley
- McHenry, Tracey A. — 2000, Assistant Professor of English — BA, University of Portland; MA, PhD, Purdue University
- McKean, Heather R. — 1988, Senior Associate in Biology — BS, BAE, MS, Eastern Washington University
- McKinstry, David M. — 1983, Professor of Physics — BA, Linfield College; MS, PhD, University of Nevada-Reno
- McNeal, Jeni R. — 2000, Associate Professor of Physical Education, Health and Recreation — BS, Eastern Washington University; MS, PhD, University of Utah
- McNellis, Casey J. — 2004, Lecturer in Accounting — BA, Master of Accountancy, Gonzaga University
- McRae, Robin P. — 1992, Professor of Chemistry/Biochemistry — BS, University of Puget Sound; PhD, University of California, Berkeley
- Mecklenburg, Marcia — 1995, Head Women's Track and Field Coach — BA, MA, Seattle Pacific University; MA, Montana State University
- Megaard, Susan L. — 1984, Professor of Accounting — BA, College of the Pacific; J.D., University of Washington; L.L.M., Georgetown University Law Center
- Mehlert, Virginia L. — 2004, Lecturer in Counseling, Educational and Developmental Psychology — BS, MS, Eastern Washington University
- Melville, D. Scott — 1981, Professor of Physical Education, Health and Recreation — BS, MS, Slippery Rock State College; PhD, University of Iowa
- Meyers, Judy — 1999, Senior Instructor in Nursing — BS, California State Polytechnic University; MSN, Gonzaga University; PhD, Washington State University
- Middleton, Jonathan N. — 1999, Assistant Professor of Music — BA, Hampshire College; MA, University of California, Santa Barbara; D.M.A, Columbia University
- Miller, Barbara S. — 1972, Professor of Art — A.B., MA, PhD, University of Missouri
- Miller, Craig R. — 2005, Assistant Professor of Biology — BA, University of Montana; PhD, University of Idaho
- Millet, LTC M. David — 2005, Professor of Military Science — BS, Seattle University, MS; Tory State University
- Milton, Suzanne — 1992, Librarian III and Head of Reference and Instruction — BA, California State University, Long Beach; M.L.S., North Texas State University
- Mizner, Ryan L. — 2004, Assistant Professor of Physical Therapy — BS, Montana State University; M.P.T., PhD, University of Delaware
- Molinari, Deana L. — 2002, Assistant Professor of Nursing — BS, Walla Walla College; MS, Oregon Health Sciences University
- Molitor, Christopher J. — 2003, Assistant Professor of Economics — BS, PhD, Washington State University
- Moore, Marion E. — 1998, Associate Professor of Counseling, Educational and Developmental Psychology — BA, Scripps College; MEd, PhD, Utah State University
- Morgan, Debra D. — 2000, Lecturer in Management Information Systems — BAE, MEd, Eastern Washington University
- Morley, Laureen V. — 2000, Associate Professor of Physical Education, Health and Recreation — BS, California State University, Sacramento; MS, Washington State University; Ed.D., University of Northern Colorado
- Morris, Lynne Clemmons — 1983, Associate Professor of Social Work — BA, Oberlin College; MSW, PhD, University of Michigan
- Morrison, Barbara — 1990, Instructor in Nursing — BSN, PhD, Gonzaga University; M.N., Intercollegiate College of Nursing
- Mortier, Patricia A. — 2000, Lecturer in Music — BM, Eastman School of Music, Rochester, N.Y.
- Mossey, James F. — 2003, Lecturer in Education — BAE, Eastern Washington University; MA, Whitworth College
- Mount, Catherine — 2003, Lecturer in Spanish — BS, University of Kansas; MA, Arizona State University
- Mullin, Thomas W. — 1991, Professor of Electronic Media and Film — BS, MA, University of Wyoming
- Mulvany, Megan N. — 1985, Director, Asia University America Program and Senior Lecturer in English as a Second Language — BAE, MEd, Eastern Washington University
- Munson, Doris — 2003, Librarian II, Systems/Reference Librarian — BS, Oregon State University; M.L., University of Washington
- Murney, Shelly — 2004, Lecturer in Art — BA, University of California, Santa Cruz; MA, University of Iowa; MFA, University of Montana
- Murphy, Keith — 2000, Assistant Football Coach — BA, University of Washington
- Murff, Elizabeth J. Tipton — 2001, Assistant Professor of Decision Science — BS, University of Texas, Dallas; PhD, University of Texas, Austin
- Mutschler, Charles V. — 2001, Librarian II (University Archivist) — BA, MA, Eastern Washington University; MA, Western Washington University; PhD, Washington State University
- Myall, Carolynne — 1989, Librarian IV and Head of Collection Services Division — A.B., University of Illinois/Chicago Circle; M.L.S., C.A.S., University of Illinois, Urbana-Champaign
- Nakahara, Morihiko — 2003, Lecture in Music — BM, Andrews University; MM, University of Cincinnati
- Nappa, Elisa E. — 1999, Assistant Professor of Art — B.F.A., New York College of Ceramics, Alfred University; MFA, Louisiana State University
- Nelson, Frank E. — 1968, Professor of Business Education — BA, MEd, Eastern Washington University; Ed.D., Utah State University
- Nelson, Michael B. — 1998, Senior Library Associate — BA, Saint Olaf College; MA, University of Notre Dame; MA, Colorado State University; M.L.S., Indiana University
- Nelson, Nancy — 1998, Director, Africana Education Program and Assistant Professor of African American Education — BA, MA, Antioch University; Ph.D., Waldon University

FACULTY DIRECTORY

- Nemetz-Mills, Patricia L. — 1989, Professor of Management — BS, Pennsylvania State University; MBA, Gonzaga University; PhD, University of Washington
- Nendel, James D.—2004, Assistant Professor of Physical Education, Health and Recreation—BA, MA, Whitworth College
- Nickerson, Ardean R. — 1984, Professor of Dental Hygiene — BS, Idaho State University; MEd, Eastern Washington University
- Niekamp, Travis— 2004, Assistant Football Coach— BS, Illinois State University
- Nievergelt, Yves — 1985, Professor of Mathematics — Mathematics Diploma, Federal Institute of Technology; MA, MS, Ph.C., PhD, University of Washington
- Noble, Karen L. — 1973, Professor of Music — BA, San Diego State University; MM, D.MA, University of Washington; J.D., Gonzaga University
- Nord, Janet M. — 2000, Lecturer in Dental Hygiene — BS, University of Washington; MEd, Eastern Washington University
- Norton, Brian — 2003, Head Athletic Trainer — BS, University of Kansas; MS, Ohio University
- Novak, Terry L. — 1991, Professor of Public Administration — BS, South Dakota State University; MS, PhD, University of Colorado
- Oakes, Annie — 1996, Senior Lecturer in English — BA, University of Utah; MA, Eastern Washington University
- O'Brien, Randi—2001, Instructor in Nursing — BSN, M.N., Intercollegiate College of Nursing
- O'Connell, Margaret A. — 1991, Professor of Biology — BA, Prescott College; MS, PhD, Texas Tech University
- Oertling, W. Anthony — 1992, Associate Professor of Chemistry/Biochemistry — BS, Texas A and M University; PhD, Michigan State University
- Olafson, Robert B. — 1967, Professor of English — BA, Pacific Lutheran University; MA, PhD, University of Washington
- Orndorff, Richard L. — 2003, Associate Professor of Geology — BS, Virginia Polytechnic Institute and State University; MS, Ohio State University; PhD, Kent State University
- Orosco, Nathan — 2003, Assistant Professor of Art — BA, University of Texas of the Permian Basin; MFA, Washington State University
- Orr, Douglas V. — 1991, Professor of Economics — BA, Columbia University; MA, PhD, University of Colorado
- Oteiza, Teresa — 2003, Assistant Professor of Spanish — BA, MA, Pontifical Catholic University of Chile; PhD, University of California, Davis
- Otto, Devin T. — 2003, Lecturer in Music/ Assistant Director of Bands — BM, University of Idaho., MA Eastern Washington University.
- Otto, Theophil M. — 1985, Librarian IV and Collection Management Librarian — BM, University of Wisconsin; MSM., School of Sacred Music, Union Theological Seminary; M.L.S., Indiana University; PhD, Southern Illinois University
- Pascal, Vincent J. — 2001, Assistant Professor of Marketing — BS, United States Military Academy; MBA, Gonzaga University; PhD, Washington State University
- Peck, Donald L. — 2005, Lecturer in Education — BS, MS, Central Washington University
- Peregoy, Barbara M. — 2001, Lecturer in Communication Disorders — BA, Eastern Washington University; MA, Western Washington University
- Perkins, Susan — 1996, Instructor in Nursing — BSN, MSN, Washington State University Intercollegiate College of Nursing
- Peterson, Elizabeth — 2005, Lecturer in Economics — BS, Westminster College, Salt Lake City; M. Phil., University of Utah
- Petrie, Gina M. — 2005, Assistant Professor of English as a Second Language — BA, Valparaiso University; MA Indiana University; PhD, Washington State University
- Pew, Henrietta — 1997, Senior Library Associate — BA, Muskingum College; BA, University of Idaho; MS, Case Western Reserve University School of Library Science
- Phillips, Laura L. — 1993, Professor of History — BA, University of Wisconsin-Milwaukee; MA, PhD, University of Illinois, Urbana
- Phillips, Richard D. — 1995, Associate Professor of Education — BA, MA, University of Helsinki, Finland; PhD, University of Washington
- Pickering, Robin K. — 2005, Assistant Professor of Physical Education, Health and Recreation — BS, MS, Eastern Washington University
- Pickett, Rickie L. — 2000, Lecturer in Computer Science — BAE, MEd, Eastern Washington University
- Pimentel, Jane T. — 1998, Associate Professor of Communication Disorders — BS, MS, Idaho State University; PhD, University of Washington
- Pippard, James L. — 1977, Associate Professor of Social Work — BA, University of Montana; MSW, University of California, Sacramento; D.S.W., University of Denver
- Plamondon, Andrew A. — 2001, Lecturer in Music — BM, Boise State University
- Pohl, Peter J. — 2003, Lecturer in Education, Academic Support Center — BS, Eastern Montana College; MA, University of Wyoming
- Porter, Peter S. — 2004, Assistant Professor of Electronic Media and Film — BA, Grand Valley State University; MA, Indiana State University; PhD, Wayne State University
- Potter, Jonathan D. — 2003, Librarian II, Social Sciences/Reference Librarian — BA, Whitman College; MA, M.L., University of Washington
- Preisig, Florian — 2003, Assistant Professor of French — BA, University of Geneva; PhD, Johns Hopkins University
- Pringle, Robert — 1980, Director of Library Services, Intercollegiate College of Nursing — BA, University of Nebraska; M.L.S., University of Washington
- Przychodzin-Havis, Angela — 2002, Lecturer in Counseling, Educational and Developmental Psychology — BA, MEd, Eastern Washington University
- Purath, Janet — 2004, Assistant Professor of Nursing — BSN, Jamestown College; MSN, Indiana University; PhD, University of Illinois
- Putnam, Jeffrey B. — 2003, Assistant Professor of Computer Science — BS, University of New Hampshire; M.L.S., State University of New York, Albany; PhD, Rensselaer Polytechnic Institute
- Quinn, Louise — 2004, Lecturer in Geography — BA, Cambridge University, Cambridge England; MS, PhD, Memorial University, Saint John's, Newfoundland
- Quinn, Robert R. — 1967, Professor of Geography — BS, MS, PhD, Oregon State University
- Radovancev, Estela — 1988, Librarian III and Reference and Instruction Librarian — BA, MS, MEd, University of Illinois
- Rahn, Jeffrey A. — 1990, Professor of Chemistry/Biochemistry — BS, Whitworth College; PhD, University of Nevada, Reno
- Rasmor, Melody — 1998, Clinical Assistant Professor of Nursing — BSN, Pacific Lutheran University; MSN, University of Portland
- Ratliff, Jeanne — 1999, Senior Lecturer in Communication Studies — BA, Eastern Washington University; MA, Washington State University; PhD, University of Utah
- Raymond, Kenneth W. — 1982, Professor of Chemistry/Biochemistry — BS, Central Washington University; PhD, University of Washington
- Rebar, Michael W. — 2004, Assistant Professor of Counseling, Educational and Developmental Psychology — BS, MA, PhD, University of Oregon
- Reeves, LaVona L. — 1989, Professor of English — BA, University of Nebraska; MA, Columbia University; PhD, Indiana University of Pennsylvania
- Renner, James A. — 1995, Lecturer in Social Work — BS, University of Mary; MSW, University of Denver
- Renshaw, Evelyn Q. — 1990, Senior Lecturer in English as a Second Language — BA, Boston University; MA, San Francisco State University
- Repovich, Wendy — 1991, Associate Professor of Physical Education, Health and Recreation — BA, University of Puget Sound; MEd, University of Cincinnati; PhD, University of Southern California

FACULTY DIRECTORY

- Rice, Michael — 1988, Professor of Nursing — BSN, Mount Marty College; MSN, University of Nebraska; PhD, University of Arizona
- Richter, Donald — 1998, Professor of Engineering and Design — BS, Ohio State University; MS, PhD, University of Arkansas
- Ridings, Robert — 1988, Associate Professor of English — BS, University of Wisconsin; MA, Pennsylvania State University; PhD, University of Southern California
- Riebe, Christine — 2000, Care Mobile Manager and Instructor in Nursing — BSN, University of Washington; MSN/F.N.P., Seattle Pacific University
- Rinta, Brandon — 2004, Assistant Men's Basketball Coach — BA, Central Washington University; MS, Eastern Washington University
- Ritter, Preston O. — 1970, Professor of Chemistry/Biochemistry — BS, University of California; MS, PhD, University of Wisconsin, Madison
- Roberson, Malik S. — 2003, Assistant Football Coach — BS Central Washington University
- Roberts, Judith L. — 2001, Library Associate — BA, University of Washington; M.L.S., University of Washington; MSW, California State University
- Rodriquez-Marek, Esteban — 2001, Assistant Professor of Engineering and Design — BS, M.Sc., Washington State University
- Rolfe, Timothy J. — 1998, Professor of Computer Science — BA, Mount Angel Seminary; MS, University of Minnesota; BS, University of Oregon; MS, PhD, University of Chicago
- Rosenker, Misha — 2005, Associate Professor of Music — BM, Indiana University; MM, Yale University
- Ruby, Susan F. — 2005, Assistant Professor of Psychology — BS, Texas A & M University; MEd, College of William and Mary; PhD, University of California, Riverside
- Rule, Toby D. — 2005, Visiting Assistant Professor of Engineering and Design — BS, MS, PhD, Washington State University
- Ruotsalainen, Robert W. — 1983, Professor of Physics — BS, University of Washington; MS, PhD, University of Hawaii
- Russell, Byron E. — 2000, Associate Professor of Physical Therapy — BS, Colorado State University; BS, Texas Tech University Health Sciences Center; M.H.S., University of Indianapolis; PhD, Texas Women's University
- Russell, Michael R. — 2005, Lecturer in History — BA, MA, Western Washington University; PhD, Washington State University
- Russell, Roberta L. — 2000, Lecturer in Occupational Therapy — BA, California State University, Fresno; BS, University of Texas Health Science Center; MS, Colorado State University
- Schneider, Maureen — 2005, Lecturer in Counseling, Developmental and Educational Psychology — BA, Seattle University; MA, Gonzaga University
- Scholz, Allan T. — 1980, Professor of Biology — BS, MS, PhD, University of Wisconsin, Madison
- Schulhauser, Candace E. — 2000, Assistant Professor of Education — BA, MEd, PhD, Washington State University
- Schuller, Wendy — 2001, Head Women's Basketball Coach — BA, Fresno Pacific University; MS, Northwestern State University
- Schumann, Lorna — 1982, Associate Professor of Nursing — BSN, California State University, Sacramento; MSN, University of California, San Francisco; PhD, University of Idaho
- Schwab, Suzanne M. — 1983, Professor of Biology — BA, State University of New York, Oswego; MS, Colorado State University, Fort Collins; PhD, University of California, Riverside
- Schwartz, Robert G. — 2002, Professor of Management and Distinguished Professor of Entrepreneurship — BSL.A., Illinois Institute of Technology; PhD, Iowa State University
- Scott, Renee — 1999, Assistant Track and Field Coach — BA, MS, Eastern Washington University
- Scott, Stephen H. — 1969, Professor of Philosophy — BA, Marquette University; MA, University of Toronto; PhD, Indiana University
- Sears, Jody — 2003, Assistant Football Coach — BA, Washington State University; MEd, Iowa State University
- Seedorf, Martin F. — 1989, Professor of History — BA, Eastern Washington University; MA, PhD, University of Washington
- Sen, Achin — 1984, Professor of Physics — BS, MS, St. Xavier's College (Calcutta University); M. Phil., PhD, Columbia University
- Severinghaus, Jack — 1991, Student Counselor — A.B., Indiana University; MS, University of Idaho; PhD, Washington State University
- Severtsen, Billie M. — 1975, Associate Professor of Nursing — BS, Gonzaga University; MA, Columbia University; PhD, Gonzaga University
- Shervais, Stephen — 1999, Associate Professor of Management Information Systems — BA, MA, San Jose State College; MS, University of Denver; PhD, Portland State University
- Sherwood, Frances R. — 1998, Associate Professor of Education — BEd, MEd, PhD, University of Alberta, Edmonton
- Shields, Karmel — 2003, Lecturer in Social Work — BS, University of Oregon; MSW, University of Washington
- Shields, Peter G. — 2005, Professor of Communication Studies and Computer Science — BA, MA, PhD, The Ohio State University
- Shields, Vickie R. — 2005, Dean, College of Social and Behavioral Sciences and Professor of Communication Studies — BA, Boise State University; MA, PhD, The Ohio State University
- Showic, John C. — 2003, Visiting Professor of Computer Science — BS, MS, Montana State University; PhD, University of Idaho
- Simmons, Steven M. — 1969, Professor of Computer Science — BA, Reed College; MS, PhD, University of Oregon
- Simonsen, Flint L. — 2000, Associate Professor of Counseling, Educational and Developmental Psychology — BS, Eastern Washington University; MS, Northeastern University; PhD, University of Oregon
- Sims, Donald Jr. — 2005, Assistant Athletic Trainer — BS, Eastern Washington University; MS, Long Island University
- Sinekopova, Galina — 2001, Assistant Professor of Communication Studies — Graduate Honors Degree, Kuibyshev State University, Russia; MS, Eastern Washington University; PhD, Odessa State University, Ukraine
- Sircar, Parthasarathi — 1987, Professor of Physics — BS, MS, University of Calcutta; PhD, University of Paris
- Slack, Edward R., Jr. — 2002, Assistant Professor of History — BA, MA, Pennsylvania State University; PhD, University of Hawaii, Manoa
- Small, Jeanne R. — 1991, Professor of Chemistry/Biochemistry — BS, Trinity University; A.M., PhD, Harvard University
- Smart, Denise — 2005, Instructor in Nursing — BSN, University of Alaska, Anchorage; M.P.H., PhD, Loma Linda University
- Smith, Grant W. — 1968, Professor of English and Humanities — BA, Reed College; MA, University of Nevada; PhD, University of Delaware
- Smith, Julia E. — 2004, Assistant Professor of Anthropology — BA Vanderbilt University; MA, PhD, University of Pittsburgh
- Smith, Marvin E. — 1984, Professor of Electronic Media and Film — BA, Trinity University; MA, University of Texas, Austin
- Soltero, Raymond A. — 1971, Dean, College of Science, Health and Engineering and Professor of Biology — BS, MS, PhD, Montana State University
- Spatz, Gregory — 1998, Assistant Professor of English/Creative Writing — BA, Haverford College; MA, University of New Hampshire; MFA Iowa Writers' Workshop
- Spuck, Janet — 1992, Senior Instructor in Nursing — BSN, Lewis and Clark College, Portland, OR; MSN, Oregon Health Sciences University
- Stafford, Jeffrey L. — 1990, Interim Associate Dean, College of Social and Behavioral Science and Professor of Communication Studies — BS, MS, Kansas State University; PhD, University of Kansas

FACULTY DIRECTORY

- Stanley-Weigand, Pamela A. — 1983, Professor of Business Communications and Administrative Office Management — BA, MEd, Eastern Washington University; Ed.D., Arizona State University
- Starkweather, Angela — 2004, Assistant Professor of Nursing — BSN, Seattle Pacific University; MSN, Loyola University of Chicago
- Stearns, Susan A. — 1990, Professor of Communication Studies — BA, MA, California State University-Fresno; PhD, University of Oklahoma
- Steele, Richard D. — 2002, Visiting Associate Professor of Computer Science — BS, Stanford University; MA, PhD Harvard University
- Steenhuis, Harm-Jan — 2002, Assistant Professor of Management — M.Sc., PhD, University of Twente, The Netherlands
- Steigleder, Claire — 2005, Library Associate — BA, College of St. Elizabeth, Morriston, TN; M.L.S., University of Hawaii
- Steiner, Henry-York — 1968, Professor of English — BA, Grinnell College; MA, Yale University; PhD, University of Oregon
- Steiner, Stuart G. — 2001, Lecturer in Computer Science — BS, Montana State University; MS, Eastern Washington University
- Stellwagen, Kurt K. — 2005, Assistant Professor of Psychology — BA, University of Massachusetts, Amherst; MEd, Northeastern University; PhD, University of North Carolina, Chapel Hill
- Stephens, Lynn M. — 1981, Professor of Accounting — BS, MBA, University of South Dakota; PhD, University of Nebraska; C.P.A., Washington
- Stern, Leonard D. — 1980, Professor of Psychology — BA, Colby College; MA, PhD, University of Oregon
- Stewart, Rebecca J. — 2005, Lecturer in English — BA, Cedarville University, Cedarville, OH; MFA, Eastern Washington University
- Stewart-Strobel, Jody — 2002, Lecturer in German — BA, Washington State University; MEd, St. Martin's College
- Stimson, William L. — 1989, Professor of Journalism — BA, Eastern Washington University; MA, PhD, Washington State University
- Stirling, Robert W. — 2002, Lecturer in Social Work — BA, MSW, Eastern Washington University
- Stolberg, Rebecca G. — 1998, Associate Professor of Dental Hygiene — BS, Eastern Washington University; MS, University of Missouri, Kansas City
- Stradling, Teiko K. — 2002, Lecturer in Japanese — BA, Kyoritsu College of Pharmacy, Tokyo, Japan; BA, MS, Eastern Washington University; MA, Whitworth College
- Stucker, Jennifer R. — 1987, Professor of Social Work — BA, California State University, Long Beach; MSW, University of Hawaii; D.S.W., University of California, Berkeley
- Stucky, Mary — 1996, RN/BSN Program Advisor and Senior Instructor in Nursing — BSN, Creighton University; MSN, University of Nebraska College of Nursing
- Sullivan, Hugh — 1967, Professor of Mathematics — BA, MA, University of Montana; PhD, Washington State University
- Swain, Debra — 1977, Senior Instructor in Nursing — BSN, University of Minnesota; MSN, University of Colorado
- Talarico, Claudio — 2005, Assistant Professor of Engineering and Design — BS, MS, University of Genova, Italy; PhD, University of Hawaii, Manoa
- Tapper, Robert — 1998, Assistant Professor of Music — BM, University of New Hampshire; MM, Eastman School of Music
- Taudin Chabot, Sean K. — 2003, Assistant Professor of Sociology — BA, University of Puget Sound; MA, Boston University, Paris; PhD, University of Amsterdam
- Tedesco, Joe — 2005, Lecturer in Sociology — BA, Eastern Washington University; MA, PhD, Washington State University
- Terpstra, David E. — 1999, Associate Professor of Management — BA, Western Washington University; PhD, University of Tennessee
- Thomson, Jennifer A. — 1996, Associate Professor of Geology — BS, University of New Hampshire; MS, University of Maine, Orono; PhD, University of Massachusetts
- Todd, Nancy I. — 1988, Professor of Education — BA, Washington State University; MEd, Western Washington University; Ed.D., University of Washington
- Toneva, Elena T. — 2000, Assistant Professor of Mathematics — MS, PhD, University of Sofia, Bulgaria
- Townsend, Ryan — 2003, Instructor in Nursing — BSN, M.N., Washington State University Intercollegiate College of Nursing
- Trulove, William T. — 1969, Professor of Economics — BS, MS, PhD, University of Oregon
- Tsegay, Goitum Tesfom — 2005, Assistant Professor of Management — BA, University of Asmara, Asmara, Eritrea; M.Sc., PhD, University of Groningen, Groningen, Netherlands
- Turbeville, Daniel E. — 1992, Professor of Geography — BS, University of South Carolina; MA, Western Washington University; PhD, Simon Fraser University
- Uhlenkott, James W. — 2003, Assistant Professor of Education — BAE, MEd, Eastern Washington University; PhD, Gonzaga University
- Underwood, Robert, MAJ — 2005, Lecturer in Military Science — BS, University of Montana
- Valeo, Christina A. — 2003, Assistant Professor of English — BA, MAT., Brown University; MA, PhD, University of Illinois, Urbana-Champaign
- VanAken, MSG Robert D., Jr. — 2004, Lecturer in Military Science
- Van Winckel, Nance L. — 1990, Professor of English/Creative Writing — BA, University of Wisconsin; MA, University of Denver
- Vander Linden, Darl W. — 1992, Professor of Physical Therapy — BS, Iowa State University; MS, University of North Carolina at Chapel Hill; PhD, University of Iowa; Physical Therapy Certificate
- Van Gemert, Freddi — 1984, Instructor in Nursing — BSN, Intercollegiate College of Nursing; MSN, University of Texas
- Venkatesan, Pushpa — 2004, Assistant Professor of Chemistry and Biochemistry — BS, Ethiraj College, Madras, India; MS Indian Institute of Technology, Madras, India; PhD, Princeton University
- Wade, Joseph — 1999, Assistant Football Coach — BS, Linfield College
- Wagner, Randel R. — 1998, Associate Professor of Music — BME, Walla Walla College; MA, San Diego State University; D.M.A., University of Nebraska-Lincoln
- Wainwright, Nancy A. — 1984, Senior Lecturer in Business Law — BEd, BA, Professional Diploma in Education, University of Hawaii; J.D., Gonzaga University
- Walas-Mateo, Guillermina — 1999, Associate Professor of Spanish — Licenciada, National University of Mar del Plata, Argentina; MA, PhD, University of Pittsburgh
- Waldron-Soler, Kathleen M. — 2000, Associate Professor of Counseling, Educational and Developmental Psychology — BA, Whitman College; MS, Eastern Washington University; PhD, Washington State University
- Ward, Linda — 2000, Instructor in Nursing — BSN, MSN, Washington State University Intercollegiate College of Nursing
- Warner, Lisa A. — 2004, Lecturer in Counseling, Educational and Developmental Psychology — BAE, MEd, Eastern Washington University
- Warren, Stacy — 1992, Professor of Geography — BA, University of Delaware; MA, Clarke University; PhD, University of British Columbia
- Watkins, Philip C. — 1990, Professor of Psychology — BS, University of Oregon; MA, Western Baptist Seminary; MA, PhD, Louisiana State University
- Webb, Tommie J. — 2004, Assistant Men's Basketball Coach — BS, Southwest State University; MEd, Northern State University
- Weller, Philip J. — 1969, Professor of English — BA, University of Puget Sound; MA, Washington State University; PhD, Kent State University

FACULTY DIRECTORY

- Werckle, Robert C. — 1993, Senior Lecturer in English as a Second Language — BA, Holy Cross College; MA, Georgetown University
- Whitman, Robert L. — 2002, Assistant Professor of Education — BA, Bowdoin College, Brunswick, Maine; MEd, Harvard Graduate School of Education; PhD, University of Arizona
- Wichman, Nanette — 2001, Lecturer in English — BA, University of Oregon; MA, PhD, University of Hawaii
- Williams, Denielle — 2004, Lecturer in Mathematics — BA, MS, Eastern Washington University
- Williams, Jennifer L. — 2005, Lecturer in English — BA, MA, Eastern Washington University
- Williams, Patrick S. — 2000, Lecturer in English — BAE, MA, Eastern Washington University
- Williams, William C. — 1977, Professor of Psychology — BA, MS, Eastern Washington University; PhD, University of Utah
- Winchell, Richard (Dick) G. — 1986, Professor of Urban and Regional Planning — BA, Wartburg College; M.U.R.P., University of Colorado-Denver Center; PhD, Arizona State University
- Winkle, Sally A. — 1983, Professor of German and Director, Women Studies — BA, Knox College; MA, University of Georgia; PhD, University of Wisconsin-Madison
- Winters, Patrick — 1987, Professor of Music and Director of Bands — BS, Elon College; MA, California State University, San Bernardino
- Wintz, Gregory S. — 2004, Associate Professor of Occupational Therapy — BS, South Dakota State University; M.O.T., Texas Women's University
- Wood, Mary — 1991, Librarian for Nursing — BS, Iowa State University; MS, Simmons College
- Wright, Marilyn C. — 2005, Visiting Assistant Professor of Occupational Therapy — BA, University of California, Riverside; BS, M.P.H., D.P.H., Loma Linda University
- Wright, Sue M. — 1994, Professor of Sociology — BA, MA, PhD, University of Oregon
- Wulff, Paul — 1994, Head Football Coach — BA, Washington State University
- Yoder, Janet S. — 1998, Lecturer in English as a Second Language — BA, Goshen College; MA, PhD, University of Illinois
- Young, Mark A. — 2005, Assistant Professor of Counseling, Educational and Developmental Psychology — Bachelor of Business Administration; Master of Counseling; PhD, Idaho State University
- Youngs, J. William T. — 1972, Professor of History — BA, Harvard; MA, PhD, University of California, Berkeley
- Zhou, Duanning — 2001, Assistant Professor of Management Information Systems — BS, Jiangxi University; M.Eng., Zhongshan University; PhD, City University of Hong Kong
- Zhu, Liping — 1996, Associate Professor of History — BA, East China Normal University; MA, Wichita State University; PhD, University of New Mexico
- Zinke, Robert C. — 1985, Professor of Public Administration — BA, Washington State University; MA, Drew University; PhD, New York University
- Zeisler-Vralsted, Dorothy — 2006, Vice Provost for Academic Resources, Administration and Planning and Professor of Government, BA, Carroll College, Helena, Montana; MA, University of Montana; PhD, Washington State University
- Zovanyi, Gabor — 1986, Professor of Urban and Regional Planning — A.B., University of California at Los Angeles; M.C.P., San Diego State University; PhD, University of Washington
- Zyskowski, Martin J. — 1968, Professor of Music — BM, MM, University of Michigan

Emeritus Faculty

- James B. Albert — 1968, Professor of Music Emeritus 1997
- José A. Alonso — 1967, Professor of Spanish Emeritus 1999
- Philip Anast — 1965, Professor of Psychology Emeritus 1989
- Betty Anderson — 1968, Associate Professor of Nursing
- Philip N. Anderson — 1965, Professor of Accounting Emeritus 1999
- Robert B. Anderson — 1960, Professor of Health and Physical Education Emeritus 1986
- Virginia Asan — 1962, Professor of Health, Physical Education and Athletics Emeritus 1988
- J. Austin Andrews — 1954, Professor of Music Emeritus 1977
- Gloria Ayot — 1995, Professor of Education Emerita 2006
- Robert W. Atwood — 1967, Professor of Psychology Emeritus 1997
- Darrell W. Bachman — 1965, Professor of Applied Psychology Emeritus 1996
- Achilles Balabanis — 1969, Professor of Music Emeritus 1994
- William H. Barber — 1969, Professor of Psychology Emeritus 1999
- Donald M. Barnes — 1966, Professor of History Emeritus 1995
- Rey L. Barnes — 1979, Professor of Radio-Television Emeritus 1995
- Robert D. Barr — 1965, Professor of Physical Education, Health and Recreation Emeritus 1997
- William E. Barr — 1970, Librarian IV Emeritus 1996
- James E. Bates — 1975, Professor of Social Work Emeritus 1999
- Charles H. Baumann — 1969, University Librarian Emeritus 1991
- Bruce D. Beal — 1968, Professor of Art Emeritus 2000
- Elizabeth Beaver — 1961, Professor of Home Economics Emeritus 1975
- Roy K. Behm — 1963, Professor of Chemistry/Biochemistry Emeritus 1992
- David S. Bell, Jr. — 1967, Professor of Government Emeritus 1998
- Donald R. Bell — 1964, Professor of Applied Psychology Emeritus 1996
- Jack C. Benson — 1965, Associate Professor of Physical Education, Health and Recreation Emeritus 1999
- Arthur O. Biehl — 1951, Professor of Music Emeritus 1979
- Lloyd C. Billings — 1969, Professor of Finance Emeritus 1982
- Sergio Bocaz-Moraga — 1971, Professor of Spanish Emeritus 1995
- Stamey L. Boles — 1968, Professor of Electronic Media, Theatre and Film Emeritus 1997
- Charles W. Booth — 1956, Professor of Geography Emeritus 1982
- Norman C. Boulanger — 1970, Professor of Theatre Emeritus 1986
- Richard M. Boyd — 1964, Professor of Spanish Emeritus 1980
- Dorvan H. Breitenfeldt — 1962, Professor of Communication Disorders Emeritus 1995
- Gary L. Breneman — 1971, Professor of Chemistry/Biochemistry Emeritus 2003
- Polly Bruno — 1984, Professor of Nursing Emeritus 1999
- John E. Bruntlett — 1967, Professor of Technology Emeritus 1997
- Edwin A. Bump — 1973, Professor of Accounting Emeritus 1999
- Kent R. Burnham — 1970, Professor of Management Information Systems Emeritus 1999
- James Busckohl — 1970, Professor of English Emeritus 1995
- Richard J. Carey — 1969, Professor of French Emeritus 1990
- M. Noreena Carr — 1980, Professor of Education Emeritus 1991
- Robert L. Carr — 1969, Professor of Biology Emeritus 2001
- Gordon L. Chapman — 1979, Professor of Accounting Emeritus 2005
- Joseph W. Chatburn — 1959, Professor of Education Emeritus 1978
- Thelma L. Cleveland — 1970, Dean, Intercollegiate Center for Nursing Education Emeritus 1997

FACULTY DIRECTORY

- Curtis W. Coffee — 1970, Professor of Music Emeritus 1996
- Elizabeth L. Cook-Lynn — 1971, Professor of English Emeritus 1990
- David L. Cornelius — 1984, Professor of Communication Studies Emeritus 2005
- Dave Daugharty — 1966, Professor of Mathematics Emeritus 1996
- Joseph C. Daugherty — 1959, Professor of Art Emeritus 1986
- Maxine M. Davis — 1970, Professor of Physical Education, Health and Recreation Emeritus 1999
- Lawrence B. Denny — 1984, Professor of Technology Emeritus 1999
- Boyd R. Devin — 1969, Professor of Theatre Emeritus 1996
- Joan R. Dickerson — 1977, Professor of Education Emeritus 2003
- Jere Donegan — 1967, Professor of History Emeritus 1993
- Richard W. Donley — 1967, Professor of History Emeritus 1997
- John E. Douglas — 1960, Professor of Chemistry/Biochemistry Emeritus 1991
- John A. Duenow — 1970, Professor of Music Emeritus 1999
- Laura Dustan — 1975, Dean and Professor of Nursing Emeritus 1982
- Donna J. El-Din — 1984, Distinguished Professor of Physical Therapy Emeritus 2003
- Robert H. Elton — 1970, Professor of Psychology Emeritus 1999
- Wendell L. Exline — 1949, Professor of Music Emeritus 1979
- Kelly S. Farris — 1970, Professor of Music Emeritus 2000
- James D. Flynn — 1967, Professor of Applied Psychology Emeritus 1997
- John P. Ford — 1965, Professor of Management Information Systems Emeritus 1999
- Earl N. Forsman — 1970, Professor of Physics Emeritus 1997
- H. George Frederickson — 1977, President Emeritus 1987
- Robert J. Garipey — 1968, Professor of English and Humanities Emeritus and Dean, University Honors Program Emeritus 1993
- C. Peggy Gazette — 1966, Professor of Health and Physical Education Emeritus 1982
- John Geary — 1970, Professor of English Emeritus 1997
- Philip R. George — 1968, Professor of Education Emeritus 1988
- Sterling K. Gerber — 1970, Professor of Counseling, Educational and Developmental Psychology Emeritus 2003
- R. Theodore Gibbons, Jr. — 1966, Professor of Philosophy Emeritus 1985
- Robert E. Gibbs — 1970, Professor of Physics Emeritus 2003
- Reta Gilbert — 1969, Professor of Communication Studies Emeritus 2002
- Ramond M. Giles — 1946, Professor of Education Emeritus 1978
- James C. Glass — 1988, Professor of Physics Emeritus and Dean of the College of Science, Health and Engineering Emeritus 1999
- William G. J. Goetter — 1970, Professor of Education Emeritus 2000
- Ernst W. Gohlert — 1970, Professor of Government Emeritus 2002
- Donald F. Goodwin — 1962, Professor of English Emeritus 1996
- William H. Gothmann — 1990, Professor of Technology Emeritus 1999
- Paul R. Graul — 1986, Professor of Accounting Emeritus 1999
- Michael K. Green — 1967, Professor of History Emeritus 2001
- William A. Greene — 1964, Professor of Psychology Emeritus 1998
- Dorothy Gustafson — 1970, Professor of Nursing Emeritus 1982
- Daryl G. Hagie — 1955, Dean of Students Emeritus 1982
- Patricia A. Hahn — 1968, Professor of Communication Disorders Emeritus 1994
- Alan B. Hale — 1981, Professor of Computer Science Emeritus 1996
- Wayne B. Hall — 1970, Professor of Education Emeritus 1997
- Wayne H. Hall — 1970, Professor of Mathematics and Education Emeritus 1997
- Kenneth A. Halwas — 1958, Professor of English Emeritus 1984
- James L. Hanegan — 1970, Professor of Biology Emeritus 1997
- Kit C. Hanes — 1970, Professor of Mathematics Emeritus 2000
- John E. Hanke — 1970, Professor of Quantitative Analysis Emeritus 1999
- Walter M. Hartman — 1965, Professor of Management Information Systems Emeritus 1996
- David M. Haugen — 1969, Professor of Communication Disorders Emeritus 2000
- Gregory W. Hawkins — 1973, Professor of Art Emeritus 2003
- Ursula Hegi — 1984, Professor of English/Creative Writing Emeritus 2001
- Robert C. Herold — 1969, Professor of Government Emeritus 2000
- James I. Hoffman — 1991, Provost and Professor of Geology Emeritus 2002
- Jan Holloway — 1970, Professor of Nursing Emeritus 1999
- Richard E. Hoover — 1965, Professor of Journalism Emeritus 1985
- Donald R. Horner — 1966, Professor of Mathematics and Computer Science Emeritus 1997
- Archie J. Hornfelt — 1961, Professor of Technology Emeritus 1988
- Neville J. Hosking — 1994, Professor of Education Emeritus 2005
- Russ Hubbard — 1979, Professor of Education Emeritus 1999
- Carolyn Hunter — 1970, Professor of Nursing Emeritus 1995
- Hugh O. Hunter — 1980, Professor of Finance Emeritus 1999
- Mohammed Ikramuddin — 1976, Professor of Geology Emeritus 2003
- Shirley Jenkin — 1970, Professor of Nursing Emeritus 1998
- Jerry E. Johns — 1964, Professor of Biology Emeritus 1982
- Mary B. Johnston — 1970, Professor of Home Economics Emeritus 1981
- Wendall Jones — 1967, Professor of Music Emeritus 1995
- Mabel L. Kaiser — 1941, Professor of Elementary Education Emeritus 1974
- William K. Katz — 1981, Professor of Education and Dean, College of Education and Human Development Emeritus 1996
- John R. Keeble — 1973, Professor of English/Creative Writing Emeritus 2002
- Roland J. Keefer — 1961, Professor of Computer Science Emeritus 1998
- William R. Kidd — 1957, Professor of History Emeritus 1993
- Eugene P. Kiver — 1968, Professor of Geology Emeritus 2001
- Jean E. Koyl — 1971, Professor of Sociology Emeritus 1976
- Lawrence A. Kraft — 1966, Professor of Communication Studies Emeritus 1991
- Jerome V. Krause — 1967, Professor of Physical Education, Health and Recreation Emeritus 1999
- David D. Kuo — 1969, Professor of Philosophy Emeritus 1999
- Bruce Z. Lang — 1967, Professor of Biology Emeritus 2005
- Frederick M. Lauritsen — 1969, Professor of History Emeritus 2000
- Judith D. Leach — 1984, Professor of Education Emerita 2005
- Jack R. Leighton — 1953, Professor of Physical Education Emeritus 1981

FACULTY DIRECTORY

- Mark P. Lester — 1982, Professor of English Emeritus 1999
- Tsung-Hua (Jack) Liu — 1970, Professor of Economics Emeritus 2003
- Robert J. Lloyd — 1974, Professor of Art Emeritus 2004
- Jerry D. Logan — 1994, Associate Professor of Education Emeritus 2004
- George W. Lotzenhiser — 1960, Professor of Music Emeritus and Dean, School of Fine Arts Emeritus 1982
- James R. Marshall — 1971, Professor of Physics Emeritus 1992
- Jackson J. Martin — 1969, Professor of Education Emeritus 1995
- Gerald R. Martin — 1970, Professor of Physical Education, Health and Recreation Emeritus 1996
- W. Dean Martin — 1970, Professor of Technology Emeritus 1993
- Sonja C. Matison — 1977, Professor of Social Work Emeritus 1999
- William L. Maxson — 1959, Professor of Music Emeritus 1987
- James J. McAuley — 1970, Professor of Creative Writing Emeritus 1998
- Kathryn H. McCulloch — 1954, Professor of Physical Education Emeritus 1988
- Elroy C. McDermott — 1965, Professor of Marketing and Management Emeritus 1999
- Judith McElvain — 1966, Professor of Psychology Emeritus 1977
- Diane E. McHenry — 1970, Professor of Dental Hygiene Emeritus 1998
- Helen McKinlay — 1969, Professor of Nursing Emeritus 1977
- Donald L. McManis — 1969, Professor of Applied Psychology Emeritus 1997
- Patrick F. McManus — 1959, Professor of Journalism Emeritus 1982
- Anne Mealey — 1973, Professor of Nursing Emeritus 2001
- Gerald Mercer — 1954, Professor of Education Emeritus 1977
- Hubert P. Mills — 1970, Professor of Management Emeritus 1988
- Bruce M. Mitchell — 1968, Professor of Education Emeritus 1994
- Robert E. Morgenstern — 1970, Professor of Criminal Justice Emeritus 1998
- Karl R. Morrison — 1952, Professor of Art Emeritus 1983
- Robert T. Morrow — 1964, Professor of Education Emeritus 1986
- James M. Moynahan — 1966, Professor of Criminal Justice Emeritus 1999
- Allan E. Neils — 1969, Professor of Economics Emeritus 1999
- David W. Nelson — 1972, Librarian Emeritus 2006
- Mary Ann Nelson — 1967, Professor of English Emeritus 1995
- Robert L. Neubauer — 1974, Professor of Social Work Emeritus 2001
- Claude W. Nichols — 1961, Professor of History Emeritus 1996
- Frank D. Nicol — 1953, Professor of Biology Emeritus 1983
- Joan E. Niemann — 1976, Professor of Applied Psychology Emeritus 1996
- Janet R. Norby — 1977, Professor of Education Emeritus 1994
- Donald Nowlin — 1983, Professor of Mathematics Emeritus 2006
- Austin A. O'Regan — 1965, Professor of English Emeritus 1982
- Gayle S. Orton — 1984, Professor of Dental Hygiene Emeritus 2000
- O. Jerry Parker — 1968, Professor of Chemistry and Biochemistry Emeritus 2006
- Marguerite Parton — 1964, Professor of Education Emeritus 1979
- Jill Pendarvis — 1972, Professor of Nursing Emeritus 1993
- Walter L. Powers — 1954, Professor of Applied Psychology Emeritus 1993
- Demitrios P. Prekeges — 1963, Professor of Mathematics Emeritus 1983
- Louise M. Prugh — 1965, Professor of Home Economics Emeritus 1985
- Thomas W. Pyle — 1969, Professor of Psychology Emeritus 1999
- H. Keith Quincy — 1970, Professor of Government Emeritus 2003
- Muriel R. Radebaugh — 1982, Professor of Education Emeritus 2003
- Adam Raley — 1970, Professor of Humanities and Philosophy Emeritus 1998
- JoAnn Ray — 1984, Professor of Social Work Emeritus 1996
- Jay W. Rea — 1970, University Archivist Emeritus 1998
- Arthur G. Reitsch — 1969, Professor of Management Information Systems Emeritus 1998
- Judith H. Reitsch — 1973, Professor of Education Emeritus 1998
- Sherry L. Renga — 1986, Professor of Mathematics Emeritus 2002
- Robert O. Rich — 1970, Professor of Social Work Emeritus 2003
- Travis S. Rivers — 1963, Professor of Music Emeritus 1997
- Stanley F. Robinson — 1966, Professor of Computer Science Emeritus 1987
- Hilda Roberts — 1945, Professor of Nursing Emeritus 1982
- Marie Rosenberg — 1981, Professor of Public Administration Emeritus 1986
- Frank M. Rosekrans — 1969, Professor of Psychology Emeritus 1999
- John Ross — 1968, Professor of Anthropology Emeritus 1999
- David S. Rostkoski — 1970, Professor of Music Emeritus 2001
- William A. Rottmayer — 1970, Professor of Philosophy Emeritus 1999
- Kenneth A. Runeberg — 1967, Professor of Accounting Emeritus 1982
- Robert Salisbury — 1968, Professor of Education Emeritus 1999
- Dick T. Sampson — 1967, Professor of Applied Psychology Emeritus 1999
- Ray C. Sawyer — 1963, Professor of Mathematics Emeritus 1995
- V. Louise Saylor — 1977, Dean of Libraries and Librarian IV Emeritus 1996
- Alexander F. Schilt — 1987, President, Professor of Applied Psychology Emeritus 1989
- Lula A. Schroder — 1966, Professor of Education Emeritus 1987
- Raymond L. Schults — 1957, Professor of History Emeritus 1988
- Joseph F. Schuster — 1968, Professor of Government Emeritus 1996
- Rita G. Seedorf — 1990, Professor of Education Emerita 2006
- Alys S. Seifert — 1981, Professor of French Emeritus 2003
- Richard A. Sevenich — 1987, Professor of Computer Science Emeritus 2006
- Howard M. Shapiro — 1970, Professor of Accounting Emeritus 2006
- Marian Sheafor — 1983, Professor of Nursing Emeritus 1998
- Horace R. Simms — 1966, Professor of Biology Emeritus 1982
- Leo R. Simpson — 1977, Professor of Management Emeritus 2001
- Sarah (Salli) E. Sledge — 1977, Professor of Dental Hygiene Emeritus 2001
- Robert B. Smith — 1958, Professor of English Emeritus 1982
- Katherine W. Snipes — 1963, Professor of English Emeritus 1982
- James R. Snook — 1967, Professor of Geology Emeritus 1993
- Stephen S. Spacek — 1958, Professor of Education Emeritus 1996
- William K. Steele — 1970, Professor of Geology Emeritus 1998
- Gary A. Sterner — 1970, Professor of Psychology Emeritus 1997

FACULTY DIRECTORY

- Vincent L. Stevens — 1959, Professor of Chemistry Emeritus and Dean of Health Sciences Emeritus 1987
- Norman W. Stone — 1956, Professor of Mathematics Emeritus 1982
- Wesley C. Stone — 1970, Professor of Mathematics Emeritus 1990
- Dale F. Stradling — 1965, Professor of Geography Emeritus 1997
- Frederick S. Strange — 1970, Professor of Anthropology Emeritus 2003
- Betty L. Stratton — 1979, Professor of Communication Studies Emeritus 1988
- Ralph P. Stredwick — 1957, Professor of Education Emeritus 1980
- Arnold F. Stueckle — 1968, Professor of Education Emeritus 1997
- Christopher Sublett — 1973, Professor of Art Emeritus 2002
- Jack A. Swan — 1970, Professor of Mathematics Emeritus 1993
- Kenneth C. Swedberg — 1962, Professor of Biology Emeritus 1995
- Benard H. Taylor — 1962, Professor of Psychology Emeritus 1991
- Joan Thiele — 1986, Professor of Nursing Emeritus 2003
- Grant R. Thomas — 1964, Professor of Marketing Emeritus 1988
- Duane G. Thompson — 1966, Professor of Applied Psychology Emeritus and Vice President for Academic Affairs and Provost Emeritus 1992
- Norman S. Thompson — 1954, Professor of Business Education Emeritus 1982
- Robert G. Thompson — 1964, Professor of Mathematics Emeritus 1991
- Robert B. Throckmorton — 1967, Professor of Sociology Emeritus 1999
- Joan I. Tracy — 1967, Librarian Emeritus 1990
- Keith Tracy — 1964, Professor of English Emeritus 1987
- Ruben M. Trejo — 1973, Professor of Art Emeritus 2003
- Norman V. Vigfusson — 1969, Professor of Biology Emeritus 1986
- William L. Waddington — 1957, Professor of English Emeritus 1982
- Richard A. Wald — 1985, Professor of Management Emeritus 1990
- Donald C. Wall — 1970, Professor of English Emeritus 1997
- James P. Wallace — 1967, Professor of Government Emeritus 1996
- Jim L. Wasem — 1981, Professor of Physical Education, Health and Recreation Emeritus 2000
- Helen J. Westrum — 1966, Professor of Home Economics Emeritus 1988
- Wesley T. Westrum — 1961, Professor of Music Emeritus 1982
- Bartlett D. Whelton — 1974, Professor of Chemistry/Biochemistry Emeritus 2004
- Irl White — 1987, Professor of Theatre Emeritus 1994
- Ronald J. White — 1965, Professor of Biology Emeritus 1997
- M. Patrick Whitehill — 1957, Professor of Physical Education Emeritus 1982
- Raymond P. Whitfield — 1949, Professor of Education Emeritus 1977
- Don D. Wiley — 1970, Professor of Education Emeritus 1996
- Robert F. Wilkens — 1968, Professor of Education Emeritus 1997
- William G. Williams — 1969, Professor of Education Emeritus 1998
- Heung T. Wong — 1968, Professor of History Emeritus 2002
- Lois A. Woodell — 1965, Professor of Business Education Emeritus 1985
- Brent A. Wooten — 1963, Professor of Physical Education, Health and Recreation Emeritus 1999
- William R. Wynd — 1970, Professor of Marketing Emeritus 1998
- Edmund J. Yarwood — 1968, Professor of Russian and English Emeritus and Dean Emeritus, College of Letters, Arts, and Social Sciences 2002
- Shik C. Young — 1966, Professor of Economics Emeritus 1998
- Niel T. Zimmerman — 1970, Professor of Public Administration Emeritus 2000
- John G. Zurenko — 1968, Professor of Management Information Systems Emeritus 1999

APPENDICES

Appendix A

Chapter 172-120 WAC STUDENT CONDUCT CODE

Last Update: 3/4/97

WAC

172-120-010	Introduction.
172-120-015	Definitions.
172-120-020	Interest of the university relevant to a student code.
172-120-030	Relationship between civil and criminal laws and university disciplinary proceedings.
172-120-040	Conduct code.
172-120-050	Sanctions.
172-120-060	Discipline functionaries.
172-120-070	Initiation of disciplinary procedures.
172-120-080	Authority of university disciplinary officer.
172-120-090	Consolidation of cases permissible.
172-120-100	Hearings procedure.
172-120-110	Disciplinary committee—Deliberations and sanctions.
172-120-120	Appeals.
172-120-130	Interim suspension permitted.
172-120-140	Judicial proceedings—Procedural rights of students.

DISPOSITION OF SECTIONS FORMERLY CODIFIED IN THIS CHAPTER

172-120-150 Academic misconduct. [Statutory Authority: RCW 28B.35.120 and 43.21C.120. 87-20-056 (Order 87-01), § 172-120-150, filed 10/2/87.] Repealed by 97-06-095, filed 3/4/97, effective 4/4/97. Statutory Authority: RCW 28B.35.120.

WAC 172-120-010 Introduction.

The board of trustees of Eastern Washington University has the authority and obligation to adopt regulations for the governance of the university for the purpose of providing educational opportunities to its students, transmitting and advancing knowledge and of providing a wide range of services to both students and the general public. To carry out these responsibilities, the university requires a community free from violence, threats, and intimidation; protective of free inquiry, respectful of the rights of others; open to change; supportive of democratic and lawful procedures; and dedicated to the rational and orderly approach to the resolution of human problems. To safeguard the rights, opportunities, and welfare of students, faculty, staff and guests of the university community, and to assure protection of the interests of the university as it seeks to carry out its mission on behalf of the citizens of the state of Washington, certain minimum standards of conduct become necessary.

[Statutory Authority: RCW 28B.35.120 and 43.21C.120. 87-20-056 (Order 87-01), § 172-120-010, filed 10/2/87. Statutory Authority: RCW 28B.35.120. 81-06-023 (Order 1-22-81), § 172-120-010, filed 2/25/81; Order 72-2, § 172-120-010, filed 5/12/72.]

WAC 172-120-015 Definitions.

For purposes of the student conduct code, chapter 172-120 WAC, the definitions of this section apply throughout the chapter.

(1) "Student" includes all persons taking courses at the university, both full and part time. Nonmatriculated, international students attending language institutes or foreign study programs at the university are also considered students under the terms of this code.

(2) "University" refers to the facilities, property, programs, activities and members of the Eastern Washington University community.

[Statutory Authority: RCW 28B.35.120. 97-06-095, § 172-120-015, filed 3/4/97, effective 4/4/97.]

WAC 172-120-020 Interest of the university relevant to a student code.

The university is a special-purpose, as opposed to general-purpose community, and as such must devise procedures and regulations to control disruptive elements which would deter the university from furthering its mission—providing learning experiences for its students, transmitting and advancing knowledge and providing services to the greater community. Special university interests provide a foundation for building a code of conduct.

(1) The university has a primary concern with matters which impinge on academic achievement and integrity.

(2) The university has a concern with conduct which breaches the peace, causes disorder and substantially interferes with the rights of others.

(3) The university has an interest in behavior which threatens or actions which imperil the physical and mental health and safety of members of the university community.

(4) The university has an obligation to protect its property and the property of members of its community from theft, damage, destruction or misuse.

(5) The university has a commitment to meet its contractual agreements.

(6) The university has an obligation to support and be guided by laws of the land.

[Statutory Authority: RCW 28B.35.120. 97-06-095, § 172-120-020, filed 3/4/97, effective 4/4/97; 81-06-023 (Order 1-22-81), § 172-120-020, filed 2/25/81; Order 72-2, § 172-120-020, filed 5/12/72.]

WAC 172-120-030 Relationship between civil and criminal laws and university disciplinary proceedings.

Many offenses actionable under this code are also violations of federal, state or local laws. A student may face criminal and civil prosecution as well as university disciplinary action for violation of these laws. The university reserves the right to initiate action for offenses that have an impact on the educational or administrative functions or the general well-being of the university. Proceedings under this code may be carried out prior to, simultaneously with, or following civil or criminal proceedings in the courts. University proceedings are not subject to challenge or dismissal referencing, as a basis, that criminal charges involving the same incident have been dismissed or reduced.

[Statutory Authority: RCW 28B.35.120. 97-06-095, § 172-120-030, filed 3/4/97, effective 4/4/97. Statutory Authority: RCW 28B.35.120 and 43.21C.120. 87-20-056 (Order 87-01), § 172-120-030, filed 10/2/87; Order 72-2, § 172-120-030, filed 5/12/72.]

WAC 172-120-040 Conduct code.

The following are defined as offenses which are subject to disciplinary action by the university. The university has the authority to promulgate additional or more specific rules supplementary to the offenses listed in this section.

(1) Dishonesty and misrepresentation. All forms of academic dishonesty (including but not limited to cheating and plagiarism), knowingly furnishing false information to the university, forgery, alteration or misuse of university documents, records or instruments of identification.

(2) Disruptive conduct. Conduct which intentionally disrupts or obstructs teaching, research, administration, disciplinary proceedings, freedom of movement or other lawful activities on the university campus.

(3) Physical abuse and threat of physical abuse. Detention, physical abuse, threats, intimidation or coercion of any person, or conduct which is intended to threaten imminent bodily harm or endanger the health or safety of any person on any property owned or controlled by the university, or at any university-sponsored or supervised functions.

(4) Sexual misconduct. Sexual misconduct includes, but is not limited to:

(a) Unwanted verbal (including telephone), written (including electronic media), pictorial or physical conduct of

a sexual nature which a reasonable person would consider to be harassing, intimidating, hostile, offensive and/or which adversely affects the learning or living environment of the campus;

(b) Unwanted, forceful, sexual contact. The use of force may include, but is not limited to use of body weight, pushing or hitting, coercion or threats;

(c) The use of force (body weight, hitting or pushing, use of a weapon, threats to kidnap or kill, for example) to overcome earnest resistance to engaging in sexual intercourse. Earnest resistance may be verbal, physical or both;

(d) Sexual intercourse, when the victim is incapable of consent by reason of mental incapacity, drug/alcohol intoxication or physical helplessness, and force is or is not used.

(5) Harassment. Harassment of any sort is prohibited. Any malicious act which causes harm to any person's physical or mental well-being is prohibited. Harassment is defined as conduct which has the purpose or effect or unreasonably interfering with an individual's work or educational performance or creating an intimidating, hostile or offensive environment.

(6) Property violations. Theft from, or malicious damage to, or malicious misuse of university property or the property of any person, when such property is located on the university campus.

(7) Failure to comply with a proper order.

(a) Failure to comply with lawful and/or reasonable directions of university officials or law enforcement officers acting in performance of their duties on campus or affecting conduct on campus.

(b) Failure to identify oneself to university officials in their course of duty, refusal or failure to appear before university officials or disciplinary bodies when directed to do so or the violation of sanctions imposed after such proceedings.

(8) Alcohol and substance violations.

(a) Use, possession, distribution, or sale of alcoholic beverages except as permitted by university policy and state law on university premises or in university-controlled facilities.

(b) Use, possession, distribution, or sale of any controlled substance or illegal drug on university premises or in university-controlled facilities.

(9) Possession of weapons. No individual shall have on his/her person, in his/her vehicle or otherwise in his/her possession any gun, pistol, or firearm or explosives, dangerous chemicals or other dangerous weapons or instruments on the university campus or other university property except as follows:

(a) Authorized law enforcement officers are permitted to carry arms while on duty and engaged in their regular duties.

(b) Activities requiring use of the prohibited items may be conducted on approval of the activity by the board of trustees.

(c) Persons are permitted to have firearms in their possession directly en route to or from campus firearm storage facilities where such possession is incidental to approved on or off campus possession or use of such firearms.

(10) Violation of local, county, state or federal law. Violation of a local, county, state, or federal law, whether it be on-campus or off-campus, only when a definite university interest is involved and where the student misconduct distinctly and adversely affects the university's pursuit of its educational mission.

(11) Incitement. Intentionally inciting others to engage in any of the conduct prohibited in this code, which incitement leads directly to such conduct.

(12) Assisting conduct violations. Being an accessory to any person on the university campus who is or who is not a member of the associated students of Eastern Washington University who violates this code. The unauthorized entry into or onto, or the unauthorized remaining in, or upon, any public or university facilities.

(13) Attempted violations. All attempts to perform acts of misconduct prohibited by this section are also subject to disciplinary action.

APPENDICES

(14) Trespass. The unauthorized entry into or onto, or the unauthorized remaining in or on any public or university facilities.

(15) Disorderly conduct. Disorderly or obscene conduct on university property or at university-sponsored events.

(16) Violation of university policies. Violation of the university general conduct code, chapter 172-122 WAC.

(17) Abuse of computing facilities. Theft or other abuse of computer facilities, access or time as defined in university computing guidelines and policies.

(18) Unauthorized representation. The unauthorized use of the name of the university or the names of members or organizations in the university community.

(19) Obstruction. Obstruction of the free flow of pedestrian or vehicular traffic on university premises or at university-sponsored or university-supervised events.

(20) Demonstration. Participation in a campus demonstration which violates the university regulations governing campus assembly and peaceful demonstration.

(21) Hazing. Any action required of or imposed on current or potential members of an organization or group which, regardless of location of the incident or consent of the participant(s):

(a) Produces or is reasonably likely to produce bodily harm or danger, mental or physical discomfort, embarrassment, harassment, fright, humiliation or ridicule; or

(b) Compels an individual to participate in any activity which is illegal, perverse or publicly indecent or contrary to university rules, regulations or policies, or which is known by the compelling person(s) to be contrary to the individual's moral or religious beliefs.

(22) Group offenses. Clubs, organizations, societies or similarly organized groups in or recognized by the university and/or ASEWU are subject to the same standards as are individuals in the university community. The commission of any of the offenses in subsections (1) through (22) of this section by such groups or the knowing failure of any organized group to exercise preventive measures relative to violations of the code by their members shall constitute a group offense.

[Statutory Authority: RCW 28B.35.120. 97-06-095, § 172-120-040, filed 3/4/97, effective 4/4/97. Statutory Authority: RCW 28B.35.120 and 43.21C.120. 87-20-056 (Order 87-01), § 172-120-040, filed 10/2/87. Statutory Authority: RCW 28B.35.120. 81-06-023 (Order 1-22-81), § 172-120-040, filed 2/25/81; Order 72-2, § 172-120-040, filed 5/12/72.]

WAC 172-120-050 Sanctions.

If any student or student organization is found to have violated any of the offenses enumerated at WAC 172-120-040, one or more of the following sanctions may be imposed against the student or student organization. Failure to comply with any imposed sanctions may result in additional sanctions.

(1) Minor disciplinary sanction:

(a) Admonition: An oral statement to a student that he/she is violating university rules and regulations.

(b) Warning: Notice, orally or in writing, that continuation or repetition of conduct found wrongful, within a specified period of time stated in the warning, may cause more severe disciplinary action.

(c) Censure: A written reprimand for violation of specified regulations, including notice of the possibility of more severe disciplinary sanctions in the event of the finding of a violation of any regulation within a stated period of time.

(d) Disciplinary probation: Formal action placing condition on the student's continued attendance for violation of specified regulations. The disciplinary probation shall specify, in writing, the period of probation and the conditions which may include conditions such as limiting the student's participation in university-related privileges or extra-curricular activities or enforcing a "no contact" order which would prohibit direct or indirect physical and/or verbal contact with specific individuals or groups. Disciplinary probation further shall give the student notice that any further misconduct will automatically raise the question of suspension from the university. Disciplinary probation shall be for a specified period of time.

(e) Restitution: Reimbursement for damage or destruction to the property of the university or others for loss of property as a result of theft or negligence, or for medical expenses from violations of this code. This may take the form of appropriate service or other compensation. Failure to make arrangements to pay will result in cancellation of the student's registration and will prevent the student from future registration until the conditions of sanction are satisfied.

(f) Fines: The disciplinary officer and the university disciplinary committee may assess monetary fines up to a maximum of two hundred dollars against individual students for violation of university rules or regulations or for failure to meet the university's standards of conduct. Failure to pay promptly such fines will prevent the student from future registration. Failure to pay may result in additional sanctions. Appeal through chapter 172-124 WAC is solely to dispute the existence of the alleged debt and not to rehear the matter which resulted in the sanction of the fine itself.

(g) Loss of privileges: Denial of specified privileges for a designated period of time.

(h) Discretionary sanctions: Work assignments, service to the university community or other related discretionary assignments for a specified period of time as directed to the disciplinary officer or judicial body.

(i) Loss of financial aid: In accordance with RCW 28B.30.125, a person who participates in the hazing of another forfeits entitlement to state-funded grants, scholarships or awards for a specified period of time.

(j) Assessment: Referral for drug/alcohol or psychological assessment may be required. Results of the assessment may lead to the determination that conditions of treatment and further assessment apply to either continued attendance or return after a period of suspension.

(2) Major disciplinary sanction:

(a) Suspension: Exclusion from classes and other privileges or activities as set forth in a written notice for a specified period of time. Conditions of readmission shall be stated in the order of suspension.

(b) Dismissal: Permanent separation of the student from the university with no promise (implied or otherwise) that the student may return at any future time. The student will also be barred from university premises.

(3) Loss of institutional, financial aid funds. Formal withholding of all or a part of institutional funds currently being received by the student or promised for future disbursement to the student for a specified period of time.

(4) Group sanctions:

(a) Probation: Formal action placing conditions on the group's continued recognition by or permission to function at the university. The probationary conditions will apply for a specified period of time. Violation of the conditions of probation or additional violations while under probation may result in more severe sanctions.

(b) Social probation: Prohibition of the group from sponsoring any organized social activity, party or function, or from obtaining a permission for the use of alcoholic beverages at social functions for a specified period of time.

(c) Charter restriction: The temporary withdrawal of university or ASEWU recognition for a group, club, society or other organization. It may be recommended by the appropriate judicial body, but may only be imposed by the president of the university or the president's designee.

(d) Charter revocation: The permanent withdrawal of university or ASEWU recognition for a group, club, society or other organization. It may be recommended by the appropriate judicial body, but can only be imposed by the president of the university or the president's designee.

(e) Additional sanctions: In addition to or separately from the above, any one or a combination of the following may be concurrently imposed on the group:

(i) Exclusion from intramural competition as a group;

(ii) Denial of use of university facilities for meetings, events, etc.;

(iii) Restitution; and/or

(iv) Fines.

[Statutory Authority: RCW 28B.35.120. 97-06-095, § 172-120-050, filed 3/4/97, effective 4/4/97. Statutory Authority: RCW 28B.35.120 and 43.21C.120. 87-20-056 (Order 87-01), § 172-120-050, filed 10/2/87. Statutory Authority: RCW 28B.35.120. 81-06-023 (Order 1-22-81), § 172-120-050, filed 2/25/81; Order 72-2, § 172-120-050, filed 5/12/72.]

WAC 172-120-060 Discipline functionaries.

(1) University disciplinary officer:

The university president shall designate a person to be the university disciplinary officer who shall review and decide questions of university interest. The university disciplinary officer may investigate and make decisions in some instances of code violation.

(2) University disciplinary committee:

A university disciplinary committee composed equally of student and faculty representatives will provide a hearing and will make decisions on all disciplinary cases referred or appealed to it. The members of the committee and their terms of office shall be:

(a) Six members of the faculty and/or administration appointed by the president of the university for three-year terms.

(b) Six students who shall be appointed by the president of the associated students of Eastern Washington University, with the advice and consent of the associated students legislature, as provided for in the constitution of the associated students of Eastern Washington University for one-year terms. No student shall be eligible for appointment who holds any position with any of the associated student courts, serves as an attorney general or assistant attorney general in any of the student courts, or is in any way affiliated with any judicial, quasi-judicial, or advocacy position with the courts of the associated students of Eastern Washington University.

(c) A nonvoting chair shall be elected for a one year term by the committee from outside the committee. Reelection of the chair is permissible.

(d) Six voting members constitute a quorum.

(e) In the event the chair is not in attendance, the quorum shall select a voting member to preside at the hearing.

(f) Members of the disciplinary committee shall not participate in any case in which they are a defendant, complainant or witness, in which they have a direct or personal interest or bias, or in which they have acted previously in an advisory or adjudicatory capacity. A committee member's eligibility to participate in a case may be challenged by parties to the case or by other committee members, but decisions in this regard shall be made by the committee as a whole.

(g) In the event members of the disciplinary committee are disqualified or disqualify themselves from hearing a case, a temporary (for that case only) replacement shall be appointed. If the member is a student, the temporary appointment will be made by the associated students of Eastern Washington University president. If the member is a faculty member or administrator, the temporary appointment will be made by the university president.

(3) Student courts:

Student courts, the associated students superior court and those established by the associated students legislature as lesser courts to the associated students superior court, may act on such internal disciplinary problems as they feel competent to deal with effectively. If the student court is inoperative, or if it decides to do so, the student court may refer cases involving alleged violations of rules on which that court may extend jurisdiction to the university disciplinary officer or the university disciplinary committee.

[Statutory Authority: RCW 28B.35.120. 97-06-095, § 172-120-060, filed 3/4/97, effective 4/4/97. Statutory Authority: RCW 28B.35.120 and 43.21C.120. 87-20-056 (Order 87-01), § 172-120-060, filed 10/2/87. Statutory Authority: RCW 28B.35.120. 81-06-023 (Order 1-22-81), § 172-120-060, filed 2/25/81; Order 72-2, § 172-120-060, filed 5/12/72.]

APPENDICES

WAC 172-120-070 Initiation of disciplinary procedures.

The object of this code is to provide fair and reasonable procedures with which to deal with problems of student conduct.

(1) Any student, faculty member, staff member or the university may file a complaint against a student or student organization for any violation of the student conduct code.

(2) A person wishing to charge a student with a violation of the conduct code may:

- (a) File a written charge with a student court when that system has jurisdiction; or
- (b) File a written charge with the office of the dean of students or other designated officer.

(3) In instances of alleged violations of local, county, state or federal law, nothing in this conduct code will prohibit or limit the right of persons to go directly to the civil and/or criminal authorities and file charges.

(4) University disciplinary proceedings may be instituted against a student charged with the violation of a local, county, state, or federal law which is also a violation of this conduct code; for example, if both violations result from the same, factual situation, without regard to the possibility of civil litigation or criminal prosecution. Proceedings under this conduct code may be carried out prior to, simultaneously with or following criminal proceedings off campus.

[Statutory Authority: RCW 28B.35.120. 97-06-095, § 172-120-070, filed 3/4/97, effective 4/4/97; 81-06-023 (Order 1-22-81), § 172-120-070, filed 2/25/81; Order 76-9-1, § 172-120-070, filed 9/23/76; Order 72-2, § 172-120-070, filed 5/12/72.]

WAC 172-120-080 Authority of university disciplinary officer.

When the university disciplinary officer receives a complaint against a student or student organization for a violation of the code, the disciplinary officer will review the complaint to determine if there is sufficient evidence to hear the matter and explain to the complainant his/her rights under the student conduct code and possible avenues of action which the complainant has against the student or student organization, including reference to remedies under civil law as well as possible remedies under the student code. If the university disciplinary officer decides to initiate a disciplinary proceeding against the accused student or student organization, the disciplinary officer will then notify the accused student or student organization for an initial conference. This notification includes a written list of charges. During the initial conference, the university disciplinary officer will review with the accused student the written list of charges, provide the student with a copy of the student conduct code and any other relevant university policies and explain the student's rights under the student code and what possible ramifications may occur under civil law, if any. The disciplinary officer will further explain the disciplinary procedures, the individual's or organization's rights and responsibilities in the disciplinary process, and possible penalties under the student code and advise that the student must, within twenty-four hours after receipt of this explanation, decide to have the case heard by the university disciplinary officer, or by the university disciplinary committee, and sign a statement declaring the same. The committee must receive at least seventy-two hours notice as to the time and place of the hearing. The student may, at this time, waive his/her right to prior notice about a disciplinary hearing and request that the case be heard immediately following the initial conference.

(1) If the student accused of violating the student conduct code chooses a hearing before the university disciplinary officer, that officer, after considering the evidence against a student so charged, may take any of the following actions:

- (a) Terminate the complaint, exonerating the student.
- (b) Dismiss the charge after whatever counseling and advice is deemed appropriate.

(c) Refer the student to the mental health review board when it is reasonably determined from the available evidence that such referral is appropriate.

(d) Impose any number of sanctions from WAC 172-120-050(1) (minor disciplinary sanction).

(e) Refer the case to the university disciplinary committee in the event the university disciplinary officer deems major disciplinary sanction may be warranted or if the student requests that his/her case be heard by the committee.

(2) If the student requests that the case be heard by the university disciplinary committee rather than the university disciplinary officer, the committee may take any of the sanctions listed in subsections (1), (2), (3) and (4) of this section, except that the committee may impose a major disciplinary sanction as defined in WAC 172-120-050(2).

(3) If a student accused of violating the conduct code has withdrawn or withdraws from the university after the filing of any charge against him/her, either:

- (a) A registration hold will be placed on the student's academic record and the student will be notified that disciplinary action may be initiated on the student's reentry or application for readmission; or
- (b) The university may proceed with the disciplinary action or disciplinary committee hearing.

(4) The disciplinary officer has the right to place a hold on a student's transcript or registration pending the student's satisfaction of a disciplinary sanction imposed for violation of this code.

[Statutory Authority: RCW 28B.35.120. 97-06-095, § 172-120-080, filed 3/4/97, effective 4/4/97. Statutory Authority: RCW 28B.35.120 and 43.21C.120. 87-20-056 (Order 87-01), § 172-120-080, filed 10/2/87. Statutory Authority: RCW 28B.35.120. 81-06-023 (Order 1-22-81), § 172-120-080, filed 2/25/81; Order 72-2, § 172-120-080, filed 5/12/72.]

WAC 172-120-090 Consolidation of cases permissible.

In the event that one or more students are charged with the same misconduct arising from the same occurrence, the disciplinary committee or university disciplinary officer shall be authorized to consolidate the hearings as practical, as long as consolidation does not prejudice the rights of any students.

[Statutory Authority: RCW 28B.35.120. 97-06-095, § 172-120-090, filed 3/4/97, effective 4/4/97. Statutory Authority: RCW 28B.35.120 and 43.21C.120. 87-20-056 (Order 87-01), § 172-120-090, filed 10/2/87. Statutory Authority: RCW 28B.35.120. 81-06-023 (Order 1-22-81), § 172-120-090, filed 2/25/81; Order 72-2, § 172-120-090, filed 5/12/72.]

WAC 172-120-100 Hearings procedure.

Hearings shall be conducted in a manner which is informal and, at the same time, assures fundamental fairness of procedure.

(1) Hearings before the university disciplinary officer or the university disciplinary committee shall be closed hearings. Admission of any person to the hearing shall be at the discretion of the judicial body or officer. In hearings involving more than one accused student, the chairperson of the judicial body or the disciplinary officer, at his/her discretion may permit the hearings concerning each student to be conducted separately.

(2) A written record or a tape recording of the testimony before the university disciplinary committee shall be kept. It may be reviewed by the student at any reasonable time prior to the final disposition of the case. Records from all proceedings will be kept and filed with the university disciplinary officer for a period of seven years. These disciplinary proceedings and records shall be the property of the university and are confidential.

(a) Disciplinary records will be made available to hearing boards and university personnel as needed for valid educational purposes.

(b) Any student may review his/her own disciplinary records by contacting the dean of students' office.

(c) Except as outlined in these procedures, the university will not communicate a student's disciplinary record to any person or agency outside the university without the prior, written consent of the student, except as required by law. If the student is a minor, the student's parents or legal guardians may review these records.

(3) The complainant and the accused have the right to be assisted by any (one) advisor they choose, at their own expense. The advisor may be an attorney. The complainant and/or the accused is responsible for presenting his or her own case and, therefore, advisors are not permitted to speak or to participate directly in any hearing before the university disciplinary officer or the university disciplinary committee. The accused student can, however, speak with his or her advisor during the hearing. If the student utilizes an attorney as an advisor, the student

must give to the university disciplinary officer or committee two days' notice of intent to do so. If the student elects to be advised by an attorney, the university disciplinary officer or committee may elect to have the university advised by an assistant attorney general.

(4) The following guidelines apply only to hearings before the university disciplinary committee:

(a) The complainant, the accused and the disciplinary committee shall have the privilege of presenting witnesses, subject to the right of cross-examination by the disciplinary committee. The complainant and the accused may submit questions to be asked of all witnesses to the disciplinary committee;

(b) Any person, including the accused student or any member of the accused organization, who disrupts a hearing may be excluded from the proceedings;

(c) Pertinent records, exhibits and written statements may be accepted as evidence for consideration by the disciplinary committee at the discretion of the chairperson.

(5) The disciplinary officer or presiding chairperson of the disciplinary committee will exercise control over the hearing. All procedural questions are subject to the final decision of the disciplinary officer or the chairperson of the disciplinary committee.

(6) Only those matters presented at the hearing in the presence of the accused student, except where the student fails to attend after receipt of proper notice that a hearing regarding the university's allegation that he/she violated the student code is being held at a certain time and place, will be considered in determining whether the judicial body hearing the case has sufficient cause to believe that the accused student is guilty of violating any of the written list of charges presented him/her pursuant to WAC 172-120-080. However, the complete record of the student's or student organization's prior conduct and academic performance may be taken into account by the disciplinary officer or disciplinary committee in imposing any sanction(s).

(a) In determining whether sufficient cause, as stated in the foregoing paragraph, exists, the university disciplinary officer or in the instance of a hearing, the university disciplinary committee, shall decide whether a preponderance of the evidence indicates that the student charged violated the student code by engaging in the conduct for which he/she was charged pursuant to WAC 172-120-080.

(b) For the purposes of this code, the phrase, "preponderance of the evidence," means that it is more likely that the student charged violated the student code by engaging in the conduct for which he/she is charged than that he/she did not.

(c) The chair of the university disciplinary committee is not bound by the rules of evidence observed by courts and may exclude incompetent, irrelevant, immaterial and unduly repetitious evidence.

[Statutory Authority: RCW 28B.35.120. 97-06-095, § 172-120-100, filed 3/4/97, effective 4/4/97. Statutory Authority: RCW 28B.35.120 and 43.21C.120. 87-20-056 (Order 87-01), § 172-120-100, filed 10/2/87. Statutory Authority: RCW 28B.35.120. 81-06-023 (Order 1-22-81), § 172-120-100, filed 2/25/81; Order 72-2, § 172-120-100, filed 5/12/72.]

WAC 172-120-110 Deliberations and sanctions.

(1) After the hearing, the judicial body having heard the matter will meet in closed session and decide by majority vote whether the preponderance of the evidence indicates that the student violated the conduct code. If the decision is that the student engaged in an act of misconduct in violation of the rules with which he/she is charged with having violated, the committee will by majority vote determine what sanction from WAC 172-120-050 shall be imposed. If the university disciplinary committee was the body which heard the matter, it will deliberate in the manner described above, but will determine what sanctions it will recommend that the president impose on the student. This recommendation to the president must be made within five working days of the time when the hearing is terminated.

(2) In the course of determining what sanctions shall be imposed or recommended, the judicial body hearing the matter may consider any evidence of past misconduct that the chair of

APPENDICES

the committee deems relevant; such evidence may be presented by the university disciplinary officer or his/her designee.

(3) No sanction(s) may be imposed based solely on the failure of the accused student to answer the charges or appear at the hearing. The decision must be based on the evidence presented at the hearing to include the evidence of past misconduct deemed relevant.

[Statutory Authority: RCW 28B.35.120. 97-06-095, § 172-120-110, filed 3/4/97, effective 4/4/97. Statutory Authority: RCW 28B.35.120 and 43.21C.120. 87-20-056 (Order 87-01), § 172-120-110, filed 10/2/87. Statutory Authority: RCW 28B.35.120. 81-06-023 (Order 1-22-81), § 172-120-110, filed 2/25/81; Order 72-2, § 172-120-110, filed 5/12/72.]

WAC 172-120-120 Appeals.

(1) If the accused student or student organization feels aggrieved by the imposition of disciplinary sanctions by the disciplinary officer or by a judicial body other than the university disciplinary committee, that student or student organization shall have a right to appeal the decision to the university disciplinary committee. The appeal must be in writing and received by the committee within five days after imposition of the sanction. Appeals to the university disciplinary committee shall be filed with the dean of students or other designated office. The written notice of appeal shall set forth:

- (a) The student's name;
- (b) The nature of the disciplinary action imposed; and
- (c) The reasons why the student or student organization feels that the imposition of that sanction is unjust and what remedy the student or student organization is seeking. Before making a decision, the university disciplinary committee may request a written report of the case from the judicial body which heard the case. The committee shall also have the right to request additional written information or explanation from any of the parties to the proceeding before rendering its decision. In making its decision, the committee shall only consider the written record before it, the student's notice of appeal and such other information and explanation it has requested from the parties to the proceeding. The committee may consider the complete record of the student's or student organization's prior conduct and academic performance in imposing any sanctions. The committee is empowered to affirm, reverse, remand, or modify (only to a less severe sanction). The university disciplinary committee's hearing of a matter on appeal is the final level of appeal on the matter.

(2) Appeals to the president:

When the university disciplinary committee is the judicial body to first hear a case, the aggrieved student or student organization has a right of appeal to the president, or the president's designee by following the steps listed in subsection (1) of this section for filing an appeal. The president or the president's designee may request a written report of the case from the university disciplinary committee before making a decision. The president or the president's designee may also request additional information from any of the parties to the proceedings before rendering a decision. In making a decision, the president of the university or the president's designee shall only consider the written record and such other information requested from the parties to the proceeding.

In the instance in which the president has received a finding that the university student code has been violated, the president may, in considering what disciplinary sanction should be imposed, affirm, reverse, remand or modify the recommendation of the university disciplinary committee. In imposing any sanctions, the president may consider the complete record of the student's or student organization's prior conduct and academic performance.

[Statutory Authority: RCW 28B.35.120. 97-06-095, § 172-120-120, filed 3/4/97, effective 4/4/97. Statutory Authority: RCW 28B.35.120 and 43.21C.120. 87-20-056 (Order 87-01), § 172-120-120, filed 10/2/87. Statutory Authority: RCW 28B.35.120. 81-06-023 (Order 1-22-81), § 172-120-120, filed 2/25/81; Order 72-2, § 172-120-120, filed 5/12/72.]

WAC 172-120-130 Interim suspension permitted.

(1) Disciplinary actions of the university will be implemented by the president of the university, except as such implementa-

tion may be delegated by the president or the board of trustees. Ordinarily, the disciplinary authority of the university will be invoked only after completion of the procedures established for the review of disciplinary cases and after the student, if he/she so wishes, has availed himself/herself of the appeal procedures. However, in situations where there is cause to believe that the student or the student organization poses an immediate threat to himself or herself, to others or to property, or is incapable of continuing as a student for medical or psychological reasons, or where it is believed that the student's continued attendance or presence may cause disorder or substantially interfere with or impede the lawful activities of others or imperil the physical or mental health and safety of members of the university community, interim actions may be taken immediately without prior notice or hearing. These actions, taken by the president or the president's designee, may include:

- (a) Interim restrictions, including but not limited to assignment to alternate university housing or removal from university housing, limitation of access to university facilities, or restriction of communication with specific individuals or groups;
 - (b) Interim suspension, including temporary total removal from the university or restriction of access to campus;
 - (c) Mandatory medical/psychological assessment, including referral to outside, medical professionals and/or to the mental health advisory board for assessment of the student's capability to remain in the university.
- (2) In all such cases, the student or student organization is entitled to personally appeal before the dean of students or designee as soon as is reasonably possible but not later than ten days after the action is taken, unless the student requests an extension in order to review the following issues only:

- (a) The reliability of the information concerning the student's behavior;
- (b) Whether or not the student's continued presence or prior or present behavior warrants interim suspension for the causes listed in subsection (1) of this section.

As a result of the meeting between the dean of students and the student, the dean may recommend to the president or the president's designee either continuation or termination of the interim suspension action and/or initiate disciplinary procedures in accordance with this conduct code.

[Statutory Authority: RCW 28B.35.120. 97-06-095, § 172-120-130, filed 3/4/97, effective 4/4/97. Statutory Authority: RCW 28B.35.120 and 43.21C.120. 87-20-056 (Order 87-01), § 172-120-130, filed 10/2/87. Statutory Authority: RCW 28B.35.120. 81-06-023 (Order 1-22-81), § 172-120-130, filed 2/25/81; Order 72-2, § 172-120-130, filed 5/12/72.]

WAC 172-120-140 Procedural rights of students.

(1) Any student or student organization charged with any violation(s) of the student conduct code has the following rights in disciplinary procedure:

- (a) A fair and impartial hearing before the appropriate judicial body composed of members of the campus community;
- (b) Notice of the charge(s) against them and the basis for the charge(s);
- (c) To remain silent when charged with any act which may be a violation of criminal law, to avoid self incrimination;
- (d) Seven calendar days' notice before a disciplinary hearing;
- (e) To know who is bringing the accusation(s) against the accused;
- (f) The right to speak on his/her own behalf in all judicial proceedings;
- (g) To consult an advisor;
- (h) One appeal; and
- (i) To be subjected to university judicial action only one time for the same offense.

(2) Any student or student organization brought before the university disciplinary committee has these additional rights:

- (a) To call any person(s) as a witness who may have information regarding the case;

(b) To view the material to be presented against them in advance of the hearing;

(c) To hear the testimony of all witnesses;

(d) To present questions to be asked of all witnesses; and

(e) To have a record made of the hearing.

(3) The burden of proof rests with the accuser. This burden shall be carried if guilt is indicated by a fair preponderance of the evidence when considered as a whole.

[Statutory Authority: RCW 28B.35.120. 97-06-095, § 172-120-140, filed 3/4/97, effective 4/4/97. Statutory Authority: RCW 28B.35.120 and 43.21C.120. 87-20-056 (Order 87-01), § 172-120-140, filed 10/2/87. Statutory Authority: RCW 28B.35.120. 81-06-023 (Order 1-22-81), § 172-120-140, filed 2/25/81; Order 76-9-1, § 172-120-140, filed 9/23/76.]

Appendix B

Chapter 172-190 WAC

IMPLEMENTATION OF THE FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT OF 1974

Last Update: 12/30/91

WAC

172-190-010	Purpose.
172-190-020	Definitions.
172-190-030	Right of inspection.
172-190-035	Availability of directory information.
172-190-040	Access permitted to university and certain other officials without consent.
172-190-050	Distribution of information to others.
172-190-060	Notice of rights given under Family Educational Rights and Privacy Act of 1974.
172-190-070	Requests for access to student records.
172-190-080	Determination regarding records.
172-190-090	Review proceeding available.
172-190-100	Right of students to register objections.

WAC 172-190-010 Purpose.

The purpose of this chapter is to comply with the requirements of Public Law 93-380, § 513, of 1974, also annotated as 20 U.S.C.A. 1232, which law represents amendments to the General Education Provisions Act. As indicated in the aforesaid law, its purpose is to assure that students attending institutions of higher education such as Eastern Washington University shall have a right to inspect certain records and files intended for school use or made available to parties outside the university.

[Statutory Authority: RCW 28B.35.120(12). 92-02-053, § 172-190-010, filed 12/30/91, effective 1/30/92; Order 75-1, § 172-08-010 (codified as WAC 172-190-010), filed 3/3/75.]

WAC 172-190-020 Definitions.

The following definitions shall apply in interpreting these regulations:

(1) "Education records" are defined as records, files, documents, and other materials which contain information directly related to a student and are maintained by the university. Also included are records relating to an individual in attendance at the university who is employed as a result of his or her status as a student. The definition of "education records," however, does not include any materials used by any university instructor in the course of assessing a student's academic performance, including but not limited to academic grades conferred, essays, tests, written evaluations given during directed studies, and the like, nor materials maintained by the university's counseling center, or by any psychologist paraprofessional acting in a professional or paraprofessional capacity for the benefit of the university.

APPENDICES

(2) "Student" is defined as a person who is or has been in attendance at Cheney, Spokane, or any other location at which the university confers credit and regarding whom the university maintains educational records.

[Statutory Authority: RCW 28B.35.120(12). 92-02-053, § 172-190-020, filed 12/30/91, effective 1/30/92; Order 75-1, § 172-08-020 (codified as WAC 172-190-020), filed 3/3/75.]

WAC 172-190-030 Right of inspection.

Any student shall have a right, subject to the procedural requirements outlined in WAC 172-190-070 through 172-190-090, to inspect any education records directly related to him or her that are intended for school use or are available for parties outside the school or school system. In the case of any education records relating to a student which also include information regarding another student, the responsible university officials shall delete any personally identifiable information relating to the identity of the other student.

[Statutory Authority: RCW 28B.35.120(12). 92-02-053, § 172-190-030, filed 12/30/91, effective 1/30/92; Order 75-1, § 172-08-030 (codified as WAC 172-190-030), filed 3/3/75.]

WAC 172-190-035 Availability of directory information.

Except as hereinafter provided, the following information contained in a student's education records shall be available to members of the public: Student's name, address, telephone listing, date and place of birth, and participation in officially recognized activities and sports; weight, height and birth dates of athletic team members; dates of attendance at the university, degrees and awards received, and the most recent previous educational agency or institution attended by the student. The information shall be deemed "directory information." The university will give public notice to students of the matters contained in the above-designated "directory information" that is available to members of the public at the time the student registers for enrollment in the academic quarter. On the day of registration each student shall indicate on the university registration form whether he or she will not consent to the university's release of directory information to others.

[Statutory Authority: RCW 28B.35.120(12). 92-02-053, § 172-190-035, filed 12/30/91, effective 1/30/92; Order 75-1, § 172-08-035 (codified as WAC 172-190-035), filed 3/3/75.]

WAC 172-190-040 Access permitted to university and certain other officials without consent.

(1) The following persons, individuals, agencies, or organizations shall be entitled to access to official records, files, and data of any student, subject to the limitations outlined in subsection (2) of this section, without the written consent of the student:

- (a) Other school officials, including instructors within the university who have a legitimate educational interest;
- (b) Officials of other universities, schools, or school systems, upon the condition that a reasonable attempt is made to notify the student of the transfer and to provide the student with a copy of the record if he or she desires it and the student has the opportunity to challenge the content of the record, per the procedures outlined in WAC 172-08-090;
- (c) Authorized representatives of the controller general of the United States; the Secretary of Health, Education and Welfare; and administrative head of an education agency as defined in § 409 of Public Law 93-380; or state of Washington educational authorities: Provided, that except when collection of personally identifiable data is specifically authorized by federal law, any data collected by the controller general, the secretary, administrative head of a United States Education Agency or state educational authorities with respect to individual students shall not include information (including social security numbers) which permit the personal identification of the students.
- (d) Authorized representatives of the Office of Education at the U.S. Department of Health, Education and Welfare; the Law Enforcement Assistance Administration of the U.S. Department of Justice; the U.S. Veterans Administration; the Bureau of Indian Affairs; the Washington state council on higher education; the Washington state department of social and health services; lending institutions receiving applications from students or granting to students financial aid; and individual organizations or institutions that

provide scholarships to any applicant student when the organizations or individuals make requests for students' education records in connection with a student's application for, or receipt of, financial aid.

(e) State and local officials or authorities, if a state statute adopted prior to November 19, 1974, specifically requires disclosures to those officials and authorities. This does not prevent a state from further limiting the number of type or state or local officials to whom disclosures may be made under that paragraph.

(f) Disclosures to organizations (including, but not limited to, federal, state, local agencies, and independent organizations) conducting studies for, or on behalf of, educational agencies or institutions to:

- (i) Develop, validate, or administer predictive tests;
- (ii) Administer student aid programs; or
- (iii) Improve instruction.

This information may be disclosed if the study is conducted in a manner that does not permit personal identification of parents or students by individuals other than representatives of the organization and the information is destroyed when no longer needed for the purposes for which the study was conducted.

(g) The disclosure is to accrediting organizations to carry out their accrediting functions.

(h) The disclosure is to parents of a dependent student, as defined in Section 152 of the Internal Revenue Code of 1954.

(i) The disclosure is to comply with a judicial order or lawfully-issued subpoena. Information may be disclosed only if the institution or agency makes a reasonable effort to notify the parent or eligible student of the order or subpoena in advance of compliance.

(j) Disclosure is in connection with a health or safety emergency.

(k) Disclosure is information the educational agency or institution has designated as "directory information."

(l) This section does not forbid or require an educational agency or institution to disclose personally identifiable information from the education records of a student to any parties under (a) through (l) of this subsection.

(2) The university shall maintain a record, kept with the education records of each student, which will indicate all the agencies or organizations referenced in subsection (1) (b) and (c) of this section, which have requested or obtained access to the student's education records. The university employee who is the custodian charged with the maintenance of the student education records shall further indicate specifically the legitimate interest each agency or organization has in obtaining this information.

(3) If any of the agencies or organizations described in subsection (1)(b) or (c) of this section, request access to the education records of ten or more students, they may do so on a form provided by the university that indicates the request is being made on a blanket basis. The form shall also require the agency to identify the legitimate interest the agency has regarding students' education records. The university employee who is the custodian of each student education record requested by an agency or organization referenced in subsection (1)(b) and (c) of this section shall then enter in the education record notice of the agency's or organization's request and the place where the request may be found.

[Statutory Authority: RCW 28B.35.120(12). 92-02-053, § 172-190-040, filed 12/30/91, effective 1/30/92; Order 75-1, § 172-08-040 (codified as WAC 172-190-040), filed 3/3/75.]

WAC 172-190-050 Distribution of information to others.

The university shall not furnish in any form any personally identifiable information contained in education records directly related to a student to any person, agency, or organization other than those designated in WAC 172-190-040, unless written consent is first obtained from the student and, specifically identifies the records to be released, the legitimate interests the party has in obtaining the information and to whom the personally identifiable information is to be released. In the case any personally identifiable information contained in a

student's education records is to be furnished in compliance with a judicial order or pursuant to a lawfully issued subpoena, the university shall make a reasonable attempt to notify the student in advance of compliance therewith.

[Statutory Authority: RCW 28B.35.120(12). 92-02-053, § 172-190-050, filed 12/30/91, effective 1/30/92; Order 75-1, § 172-08-050 (codified as WAC 172-190-050), filed 3/3/75.]

WAC 172-190-060 Notice of rights given under Family Educational Rights and Privacy Act of 1974.

In accordance with the requirements of the aforesaid federal statute, the university will make its best efforts to notify all students of their rights under this act. The notification shall be done by the registrar through the Washington Administrative Code procedures provided for by the Administrative Procedure Act, notices accomplished through the university catalogs, quarterly course announcements, and other publications and media that the university deems appropriate. The notification shall include at least a statement which indicates where the policy is kept and how copies of the policy may be obtained.

[Statutory Authority: RCW 28B.35.120(12). 92-02-053, § 172-190-060, filed 12/30/91, effective 1/30/92; Order 75-1, § 172-08-060 (codified as WAC 172-190-060), filed 3/3/75.]

WAC 172-190-070 Requests for access to student records.

No personally identifiable information relating to a student's education record will be furnished to any person whatsoever unless the person makes a written request to do so and provides to the custodian of the records information sufficient to identify the requesting party as a person who has a right to access to the records. By way of example and not limitation, a requesting party who identifies himself or herself as a student to whom the record relates must provide a department of licensing identification or international driver's license or identification sufficient to identify the student, university identification card, and any other official identifying document that is sufficient to establish the identity of the student. In the case of any persons in the category of those individuals, persons, agencies, or organizations identified in WAC 172-190-040, no personally identifiable information contained in any student's education record will be disclosed without providing information of the same type and nature as that required of a student plus other information as the custodian of the record deems sufficient to ascertain the official capacity of the requesting party.

[Statutory Authority: RCW 28B.35.120(12). 92-02-053, § 172-190-070, filed 12/30/91, effective 1/30/92; Order 75-1, § 172-08-070 (codified as WAC 172-190-070), filed 3/3/75.]

WAC 172-190-080 Determination regarding records.

The university reserves the right to determine that a record regarding a student is not an education record or material defined in WAC 172-190-020 or that the provision of personally identifiable information relating to a student was properly given to an authorized agency per WAC 172-190-040. The determination shall be made in writing and may be accomplished in consultation with any of the records officers of the university designated in chapter 172-09 WAC, the president, a vice-president, or an assistant attorney general assigned to the university.

[Statutory Authority: RCW 28B.35.120(12). 92-02-053, § 172-190-080, filed 12/30/91, effective 1/30/92; Order 75-1, § 172-08-080 (codified as WAC 172-190-080), filed 3/3/75.]

WAC 172-190-090 Review proceeding available.

(1) Any person objecting to a denial of a request for any university record relating to a student, or any student who contests whether the transfer of any university record relating to him or her is permitted under these regulations, may petition for prompt review of the denial or written objection to transfer. The written request shall:

- (a) Be served on the public records officer provided for in chapter 172-09 WAC;
- (b) Demand prompt review; and
- (c) In the case of objection to transfer, specifically reference the party to whom he or she does not want the record transferred and contain a written statement by the record custodian denying the person's request.
Upon receipt of a proper written objection to transfer of a student record, the university public records officer shall

APPENDICES

cause the records to not be transferred pending outcome of the proceeding provided for in these regulations.

(2) Within ten days after receipt of the written request by a person petitioning for prompt review of a decision by a custodian of student records, the president of the university or any authorized designees, which for the purposes of this section may include any vice-president of the university, shall consider the petition.

(3) The president or authorized designee may at the end of the ten day period either meet the objecting party's objection and advise the party of the same in writing, or in the alternative, set the matter up for a proceeding before a presiding officer designated by the president or the president's designee. The proceeding shall be conducted within thirty days after the objecting party served the objections on the university's public records officer and shall be a brief adjudicative proceeding, as that term is defined in RCW 34.05.482 through 34.05.494 and shall be conducted as provided for therein. The president or authorized designee shall determine the time and place for the proceeding. At the proceeding, the objecting party shall further explain and identify the exact purpose for seeking the record which has been denied or why he or she has lodged objections to transfer of a student record. Failure by the person requesting the review to appear at the brief adjudicative proceeding shall be deemed a waiver of that person's right to insist upon completion of the review of the request.

(4) During the proceeding conducted by the president, an authorized designee, or by anyone appointed by the president or authorized designee, the person conducting the proceeding shall consider the obligation of the university to fully comply with the Family Educational Rights and Privacy Act, but shall also consider the exemptions provided in the course of these regulations. A record shall be made of the proceeding by mechanical transcriptions or any other means satisfactory to the university.

(5) Within ten days after the hearing has occurred, the president, or authorized designee, or the hearing officer appointed to conduct the informal hearing shall provide the objecting party with a written decision, which decision shall be binding upon the university and upon the objecting party.

[Statutory Authority: RCW 28B.35.120(12), 92-02-053, § 172-190-090, filed 12/30/91, effective 1/30/92; Order 75-1 § 172-08-090 (codified as WAC 172-190-090), filed 3/3/75.]

WAC 172-190-100 Right of students to register objections.

Any student who objects to the accuracy or truthfulness of any information contained in any Eastern Washington University education records or portion thereof that is related to the student may submit to the university's public records officer his or her written views regarding the same, which written objection shall then be included in the education records: Provided, that no student has any right to post objections to academic grades and have the same appear on his or her academic transcript.

[Statutory Authority: RCW 28B.35.120(12), 92-02-053, § 172-190-100, filed 12/30/91, effective 1/30/92; Order 75-1, § 172-08-100 (codified as WAC 172-190-100), filed 3/3/75.]

Appendix C

RESIDENCY STATUS FOR HIGHER EDUCATION

Excerpted from Chapter 250-18 Washington Administrative Code Last Update: 9/26/03

WAC SECTIONS

250-18-010	Purpose and applicability.
250-18-015	Definitions.
250-18-020	Student classification.
250-18-025	Classification procedure.
250-18-030	Establishment of a domicile.
250-18-035	Evidence of financial dependence or independence.

250-18-045 Administration of residency status.

250-18-050 Appeals process.

250-18-055 Recovery of fees for improper classification of residency.

250-18-060 Exemptions from nonresident status.

DISPOSITIONS OF SECTIONS FORMERLY CODIFIED IN THIS CHAPTER

250-18-040 Evidence of financial dependency.

[Statutory Authority: 1982 1st ex.s. c 37 § 4. 82-19-015 (Order 10-82, Resolution No. 83-1), § 250-18-040, filed 9/8/82.] Repealed by 03-13-056, filed 6/13/03, effective 7/14/03. Statutory Authority: RCW 28B.15.015.

WAC 250-18-010 Purpose and applicability.

This chapter is promulgated pursuant to RCW 28B.15.015 by the board to establish the necessary regulations for the administration of residency status in higher education. Institutions shall apply the provisions of the regulations specified in chapter 250-18 WAC for the uniform determination of a student's resident and nonresident status and for recovery of fees for improper classification of residency.

[Statutory Authority: RCW 28B.15.015, 93-20-004, § 250-18-010, filed 9/22/93, effective 10/23/93. Statutory Authority: 1982 1st ex.s. c 37 § 4. 82-19-015 (Order 10-82, Resolution No. 83-1), § 250-18-010, filed 9/8/82.]

WAC 250-18-015 Definitions.

(1) The term "institution" shall mean a public university, college, or community college within the state of Washington.

(2) The term "domicile" shall denote a person's true, fixed, and permanent home and place of habitation for other than educational purposes. It is the place where he or she intends to remain, and to which he or she expects to return when he or she leaves without intending to establish a new domicile elsewhere.

(3) The term "reside" shall mean the maintenance and occupancy of a primary residence in the state of Washington.

(4) The term "financially independent" shall be determined according to WAC 250-18-035.

(5) The term "dependent" shall mean a person who is not financially independent.

(6) The term "resident" for tuition and fee purposes shall be determined according to WAC 250-18-020.

(7) The term "nonresident" for tuition and fee purposes shall be determined according to WAC 250-18-020.

(8) The term "recovery of fees" shall apply to the amounts due to the institution or the student as a result of improper classification.

(9) The term "civil service" shall mean Washington state or federal government nonmilitary employment.

[Statutory Authority: RCW 28B.15.015, 03-13-056, § 250-18-015, filed 6/13/03, effective 7/14/03. Statutory Authority: 1982 1st ex.s. c 37 § 4. 82-19-015 (Order 10-82, Resolution No. 83-1), § 250-18-015, filed 9/8/82.]

WAC 250-18-020 Student classification.

(1) For a student to be classified as a "resident" for tuition and fee purposes, he or she must prove by evidence of a sufficient quantity and quality to satisfy the institution that he or she:

(a) (i) Has established a bona fide domicile in the state of Washington primarily for purposes other than educational for the period of one year immediately prior to commencement of the first day of the semester or quarter for which he or she has registered at any institution; and

(ii) Is financially independent; or

(b) Is a dependent student, one or both of whose parents or legal guardians have maintained a bona fide domicile in the state of Washington for at least one year immediately prior to commencement of the semester or quarter for which the student has registered at any institution provided that any student who has spent at least seventy-five percent of both his or her junior and senior years in high school in this state, whose parents or legal guardians have been

domiciled in the state for a period of at least one year within the five-year period before the student graduates from high school, and who has enrolled in a public institution of higher education within six months of leaving high school, shall be considered a resident only for as long as the student remains continuously enrolled for three quarters or two semesters in any calendar year; or

(c) Is a person who has completed the full senior year of high school and obtained a high school diploma - both at a Washington public or private high school approved under chapter 28A.195 RCW (or who has received the equivalent of a diploma). The person must have lived in Washington at least three years immediately prior to receiving the diploma (or its equivalent), and lived continuously in Washington state after receiving the diploma (or its equivalent) until the time of admittance to an institution of higher education (defined as a public university, college, or community college within the state of Washington).

In addition, the person must provide an affidavit to the institution indicating that the individual will file an application to become a permanent resident at the earliest opportunity the individual is eligible to do so. Furthermore, the individual must indicate a willingness to engage in other activities necessary to acquire citizenship, including, but not limited to, citizenship or civics review courses; or

(d) Is a student who is on active military duty stationed in the state, or who is a member of the Washington national guard; or

(e) Is the spouse or dependent of an active duty military person stationed in the state of Washington; or

(f) Is a student who resides in Washington and is the spouse or dependent of a member of the Washington national guard; or

(g) Is a student of an out-of-state institution of higher education who is attending a Washington state institution of higher education pursuant to a home tuition program agreement under RCW 28B.15.725; or

(h) Is a student domiciled for one year in one or a combination of the following states: Idaho, Montana, Oregon, or Washington, and is a member of one of the following American Indian tribes:

- (i) Colville Confederated Tribes;
- (ii) Confederated Tribes of the Chehalis Reservation;
- (iii) Hoh Indian Tribe;
- (iv) Jamestown S'Klallam Tribe;
- (v) Kalispel Tribe of Indians;
- (vi) Lower Elwha Klallam Tribe;
- (vii) Lummi Nation;
- (viii) Makah Indian Tribe;
- (ix) Muckleshoot Indian Tribe;
- (x) Nisqually Indian Tribe;
- (xi) Nooksack Indian Tribe;
- (xii) Port Gamble S'Klallam Community;
- (xiii) Puyallup Tribe of Indians;
- (xiv) Quileute Tribe;
- (xv) Quinault Indian Nation;
- (xvi) Confederated Tribes of Salish Kootenai;
- (xvii) Sauk Suiattle Indian Nation;
- (xviii) Shoalwater Bay Indian Tribe;
- (xix) Skokomish Indian Tribe;
- (xx) Snoqualmie Tribe;
- (xxi) Spokane Tribe of Indians;
- (xxii) Squaxin Island Tribe;
- (xxiii) Stillaguamish Tribe;
- (xxiv) Suquamish Tribe of the Port Madison Reservation;
- (xxv) Swinomish Indian Community;
- (xxvi) Tulalip Tribes;
- (xxvii) Upper Skagit Indian Tribe;

APPENDICES

(xxviii) Yakama Indian Nation;

(xxix) Coeur d'Alene Tribe;

(xxx) Confederated Tribes of Umatilla Indian Reservation;

(xxxi) Confederated Tribes of Warm Springs;

(xxxii) Kootenai Tribe; and

(xxxiii) Nez Perce Tribe.

(i) Is a student who is a resident of Oregon residing in Columbia, Gilliam, Hood River, Multnomah, Clatsop, Clackamas, Morrow, Sherman, Umatilla, Union, Wallowa, Wasco, or Washington county. The student must meet the following conditions:

(i) Is eligible to pay resident tuition rates under Oregon laws and has been domiciled in one or more of the designated Oregon counties for at least ninety days immediately prior to enrollment at a community college located in the following Washington counties: Asotin, Benton, Clark, Columbia, Cowlitz, Franklin, Garfield, Klickitat, Pacific, Skamania, Wahkiakum, or Walla Walla; or

(ii) Is a student enrolled for eight credits or less at the Tri-Cities branch or Vancouver branch of Washington State University.

(2) A student shall be classified as a "nonresident" for tuition and fee purposes if he or she does not qualify as a resident student under the provisions of subsection (1) of this section. A nonresident student shall include a student if he or she:

(a) Will be financially dependent for the current year or was financially dependent for the calendar year prior to the year in which application is made and who does not have a parent or legally appointed guardian who has maintained a bona fide domicile in the state of Washington for one year immediately prior to the commencement of the semester or quarter for which the student has registered at an institution;

(b) Attends an institution with financial assistance provided by another state or governmental unit or agency thereof wherein residency in that state is a continuing qualification for such financial assistance, such nonresidency continuing for one year after the completion of the quarter or semester for which financial assistance is provided. Such financial assistance relates to that which is provided by another state, governmental unit or agency thereof for direct or indirect educational purposes and does not include retirements, pensions, or other noneducational related income. A student loan guaranteed by another state or governmental unit or agency thereof on the basis of eligibility as a resident of that state is included within the term "financial assistance;"

(c) Is not a citizen of the United States of America, unless such person holds permanent or temporary resident immigration status, "refugee - parolee," or "conditional entrant" status or is not otherwise permanently residing in the United States under color of law and further meets and complies with all applicable requirements of WAC 250-18-030 and 250-18-035.

(3) A person does not lose a domicile in the state of Washington by reason of residency in any state or country while a member of the civil or military service of this state or of the United States, nor while engaged in the navigation of the waters of this state or of the United States or of the high seas if that person returns to the state of Washington within one year of discharge from said service with the intent to be domiciled in the state of Washington.

(4) Any resident dependent student who remains in this state when such student's parents or legal guardians, having theretofore been domiciled in this state for a period of one year immediately prior to commencement of the first day of the semester or quarter for which the student has registered at any institution, move from this state, shall be entitled to continued classification as a resident student so long as such student is continuously enrolled during the academic year.

[Statutory Authority: RCW 28B.15.015. 03-20-053, § 250-18-020, filed 9/26/03, effective 10/27/03; 03-13-056, § 250-18-020, filed 6/13/03, effective 7/14/03. Statutory Authority: RCW 28B.15.015 and 28B.15.0131. 98-08-004, § 250-18-020, filed

3/18/98, effective 4/18/98. Statutory Authority: 28B.15.015. 93-20-004, § 250-18-020, filed 9/22/93, effective 10/23/93. Statutory Authority: Chapter 28B.15 RCW as amended by 1982 1st ex.s. c 37 § 4. 87-21-079 (Order 5-87, Resolution No. 87-60), § 250-18-020, filed 10/21/87; 87-16-048 (Order 3-87, Resolution No. 87-58), § 250-18-020, filed 7/29/87. Statutory Authority: 1982 1st ex.s. c 37 § 4. 83-13-092 (Order 2-83, Resolution No. 83-65), § 250-18-020, filed 6/17/83; 82-19-015 (Order 10-82, Resolution No. 83-1), § 250-18-020, filed 9/8/82.]

WAC 250-18-025 Classification procedure.

(1) After a student has registered at any institution as a nonresident, such student's classification shall remain unchanged in the absence of evidence of a sufficient quantity and quality to satisfy the institution to the contrary. The provision of such evidence to the contrary may be initiated by the student or the institution.

(2) Application for a change in classification shall be accepted up to the thirtieth calendar day following the first day of the instruction of the quarter or semester for which application is made. Applications made after that date in any quarter or semester shall be considered to have been filed as of the first day of the subsequent quarter or semester.

(3) Any change in classification, either nonresident to resident, or the reverse, shall be based upon written evidence maintained in the files of the institution.

(4) Approval of an application for resident status shall be made only after satisfaction that the requirements of domicile and independency or dependency have been made in compliance with RCW 28B.15.012 and WAC 250-18-030 and 250-18-035. Reclassification from nonresident to resident status preliminarily approved sixty days or more prior to the satisfaction of a one-year durational domicile shall be supplemented with additional documented proof of domicile if deemed necessary by the institution prior to final approval.

(5) The burden of proof that a student, parent, or legally appointed guardian has established a domicile in the state of Washington primarily for purposes other than educational lies with the student.

(6) For any student classified as a resident or authorized to pay resident fees or exempted from the payment of the nonresident differential on a basis other than an established domicile in the state of Washington, the fee paying status of such student shall be subject to determination each term on the basis of chapter 28B.15 RCW.

[Statutory Authority: RCW 28B.15.015. 03-13-056, § 250-18-025, filed 6/13/03, effective 7/14/03. Statutory Authority: 1982 1st ex.s. c 37 § 4. 83-13-092 (Order 2-83, Resolution No. 83-65), § 250-18-025, filed 6/17/83; 82-19-015 (Order 10-82, Resolution No. 83-1), § 250-18-025, filed 9/8/82.]

WAC 250-18-030 Establishment of a domicile.

The domicile of any person shall be determined according to the individual's overall situation and circumstances and is not determined on the basis of a single factor; nor is a predetermined number of factors required. Institutions shall require evidence of a Washington domicile that is of sufficient quantity and quality to negate the existence of a domicile in a state other than Washington.

A nonresident student who is enrolled for more than six hours per semester or quarter shall be presumed to be in the state of Washington for primarily educational purposes. Such period of enrollment shall not be counted toward the establishment of a bona fide domicile of one year in this state unless such student proves that he or she has, in fact, established a bona fide domicile in this state primarily for purposes other than educational.

To aid the institutions in determining whether a student, parent, legally appointed guardian, or the person having legal custody of a student has established a bona fide domicile in the state of Washington primarily for purposes other than educational, the following factors are to be considered for both the individual and his or her spouse. The weight assigned to any given factor should depend on the ease with which it might be established and the degree to which it demonstrates commitment to domicile as a matter of common sense and as part of the individual's overall circumstances.

(1) Location and duration of registration or payment of taxes or fees on any motor vehicle, mobile home, travel trailer, boat,

or any other item or personal property owned or used by the person;

(2) State and duration of any driver's license for the previous one year;

(3) Location and duration of any continuous full-time employment of the previous one year;

(4) Address and other pertinent facts listed on a true and correct copy of federal and state income tax returns for the calendar year prior to the year in which application is made;

(5) Location and duration of any voter registration for the previous one year;

(6) Location and duration of primary residence, evidenced by title, lease agreement, or monthly rental receipts for the previous one year;

(7) Residence status in all secondary and postsecondary schools attended outside the state of Washington;

(8) Location and duration of any checking accounts, savings accounts, and/or safety deposit boxes for the previous one year;

(9) Address listed on selective service registration;

(10) Location of membership in professional, business, civic or other organizations;

(11) Receipt of benefits under a public assistance programs;

(12) State claimed as residence for obtaining eligibility to hold a public office or for judicial actions;

(13) State claimed as residence for obtaining state hunting or fishing licenses;

(14) State in which a custodial parent has a child attending public schools.

[Statutory Authority: RCW 28B.15.015. 03-13-056, § 250-18-030, filed 6/13/03, effective 7/14/03. Statutory Authority: 1982 1st ex.s. c 37 § 4. 83-13-092 (Order 2-83, Resolution No. 83-65), § 250-18-030, filed 6/17/83; 82-19-015 (Order 10-82, Resolution No. 83-1), § 250-18-030, filed 9/8/82.]

WAC 250-18-035 Evidence of financial dependence or independence.

A person is financially independent if he or she has not been and will not be claimed as an exemption and has not received and will not receive significant financial assistance in any form directly or indirectly from his or her parents, relatives, legal guardians, or others for the current calendar year and for the calendar year immediately prior to the year in which application is made.

(1) To consider a claim that a person is financially independent, the institution may require such documentation as deemed necessary, including but not limited to the following:

(a) That individual's sworn statement.

(b) A true and correct copy of the state and federal income tax return of the person for the calendar year immediately prior to the year in which application is made.

Should a person not have filed a state or federal income tax return because of minimal or no taxable income, documented information concerning the receipt of such nontaxable income may be submitted.

(c) A true and correct copy of the person's W-2 forms filed for the previous calendar year.

(d) Other documented financial resources, which may include but are not limited to the sale of personal or real property, inheritance, trust funds, state or financial assistance, gifts, loans, or statement of earnings of the spouse of a married student.

(e) A true and correct copy of the first and signature page of the state and federal tax returns of the parents, legally appointed guardians, or person or persons having legal custody of the student for the calendar year immediately prior to the year in which application is made.

The extent of the disclosure required concerning the parent's or legal guardian's state and federal tax returns shall be limited to the listing of dependents claimed and the signature of the taxpayer and shall not require disclosure of financial information contained in the returns.

(f) A student whose parents are both deceased or who has been made an official ward of the court may be required

APPENDICES

to provide documentation attesting to the fact of such circumstances.

(g) Evidence of coverage for medical, life, automobile, and property insurance.

(2) To aid institutions in determining the financial independence of a student whose parents, legally appointed guardian, or person having legal custody of the student do not provide the documentation because of total separation or other reasons from the student, documentation clearly stating the student's status and relationship with his or her parents or legal guardian from a responsible third person, e.g., family physician, lawyer, or social worker may be submitted.

(3) To be considered financially independent, a student must demonstrate by evidence satisfactory to the institution that he or she has met, through his or her income, the expenses associated with college tuition and living for the current calendar year and the calendar year immediately prior to the year in which application is made. Personal loans, PLUS loans (parent loan for undergraduate students), gifts, and cash earnings shall not be counted as income in this calculation. Financial aid grants, scholarships and loans authorized by the financial aid office in the student's name may be considered as personal income.

(4) A trust or other account available to the student shall be considered evidence of financial dependence. If the account was created before the student entered high school, there shall be a rebuttable presumption of dependence.

(5) Information submitted by the student to the institution on the financial aid form may be used to affirm the authenticity of information submitted on an application.

(6) In all cases, the burden of proof that a student is financially independent lies with the student.

[Statutory Authority: RCW 28B.15.015, 03-20-053, § 250-18-035, filed 9/26/03, effective 10/27/03; 03-13-056, § 250-18-035, filed 6/13/03, effective 7/14/03. Statutory Authority: 1982 1st ex.s. c 37 § 4. 82-19-015 (Order 10-82, Resolution No. 83-1), § 250-18-035, filed 9/8/82.]

WAC 250-18-045 Administration of residency status.

Administration of residency status shall be the responsibility of the institution's board of trustees or regents in compliance with RCW 28B.15.011 through 28B.15.014 and chapter 250-18 WAC.

Boards of trustees or regents shall designate an institutional official responsible for making decisions on resident and nonresident status of students, and for maintaining records and documentation in support of such decisions.

Institutions shall use a uniform statewide form consistent with the provisions of chapter 250-18 WAC for the determination of change in residence status.

[Statutory Authority: 1982 1st ex.s. c 37 § 4. 82-19-015 (Order 10-82, Resolution No. 83-1), § 250-18-045, filed 9/8/82.]

WAC 250-18-050 Appeals process.

Any final institutional determination of classification shall be considered a ruling on a contested case and shall be subject to court review only under procedures prescribed by chapter 34.05 RCW.

[Statutory Authority: RCW 28B.15.015, 93-20-004, § 250-18-050, filed 9/22/93, effective 10/23/93. Statutory Authority: 1982 1st ex.s. c 37 § 4. 82-19-015 (Order 10-82, Resolution No. 83-1), § 250-18-050, filed 9/8/82.]

WAC 250-18-055 Recovery of fees for improper classification of residency.

To aid the institutions in the determination of accuracy of statements made by a student, institutions shall require that a student affirm the authenticity of all information and supporting documentation provided by his or her signature thereon.

If erroneous, untrue, or incorrect information submitted results in an improper classification of resident or nonresident status, or if a final determination is reversed through the appeals process, institutions shall recover from the student or refund to the student as the case may be an amount equal to the total difference in tuition and fees had the proper classification been made.

[Statutory Authority: 1982 1st ex.s. c 37 § 4. 82-19-015 (Order 10-82, Resolution No. 83-1), § 250-18-055, filed 9/8/82.]

WAC 250-18-060 Exemptions from nonresident status.

In accordance with RCW 28B.15.014, certain nonresidents may be exempted from paying the nonresident tuition and fee differential. Exemption from the nonresident tuition and fee differential shall apply only during the term(s) such persons shall hold such appointments or be so employed. To be eligible for such an exemption, a nonresident student must provide documented evidence that he or she does reside in the state of Washington, and:

(1) Holds a graduate service appointment designated as such by an institution involving not less than twenty hours per week;

(2) Is employed for an academic department in support of the instructional or research programs involving not less than twenty hours per week;

(3) Is a faculty member, classified staff member, or administratively exempt employee who resides in the state of Washington and is holding not less than a half-time appointment, or the spouse or dependent child of such a person;

(4) Is an immigrant having refugee classification from the U.S. Immigration and Naturalization Service or the spouse or dependent child of such refugee, if the refugee (a) is on parole status, or (b) has received an immigrant visa, or (c) has applied for United States citizenship; or

(5) Is a dependent of a member of the United States Congress representing the state of Washington.

[Statutory Authority: RCW 28B.15.015, 03-20-053, § 250-18-060, filed 9/26/03, effective 10/27/03. Statutory Authority: RCW 28B.15.015 and 28B.15.0131, 98-08-004, § 250-18-060, filed 3/18/98, effective 4/18/98. Statutory Authority: RCW 28B.15.015, 93-20-004, § 250-18-060, filed 9/22/93, effective 10/23/93. Statutory Authority: Chapter 28B.15 RCW as amended by 1982 1st ex.s. c 37 § 4. 87-21-079 (Order 5-87, Resolution No. 87-60), § 250-18-060, filed 10/21/87; 87-16-048 (Order 3-87, Resolution No. 87-58), § 250-18-060, filed 7/29/87. Statutory Authority: 1982 1st ex.s. c 37 § 4. 85-20-035 (Order 5-85, Resolution No. 86-2), § 250-18-060, filed 9/24/85; 84-14-024 (Order 3-84, Resolution No. 84-75), § 250-18-060, filed 6/26/84; 82-19-015 (Order 10-82, Resolution No. 83-1), § 250-18-060, filed 9/8/82.]

(Note: These "exemptions" require that the university utilize limited tuition waiver funds to offset the non-resident tuition for such students. As the tuition waiver funds are limited by statute, these "exemptions" are not automatic and depend on current university tuition waiver policies as approved by the Board of Trustees annually.)

Appendix D

AIDS Information

To be in compliance with RCW 28B.10.730, each institution of higher education in the state of Washington is required to make AIDS information available to incoming students. Information on AIDS is available to Eastern Washington University students through the following departments and programs:

Health, Wellness, and Prevention

122 Showalter Hall

This policy is intended to provide basic information to members of the campus community about the ways in which the Acquired Immune Deficiency Syndrome (AIDS) virus is transmitted. It is also designed to make the academic community aware of the fundamental principles which will govern university-sponsored clinical and educational activities relating to AIDS and to ensure that confirmed or suspected cases of infection are managed appropriately.

AIDS Policy

Eastern Washington University fully subscribes to the policy of the Washington State Human Rights Commission. Recognizing that AIDS and related disorders are considered disabilities, Eastern Washington University has the intent to reasonably accommodate the afflicted individual.

Eastern Washington University will provide accurate, up-to-date medical information concerning AIDS and AIDS-related conditions to all members of the university community. The university will provide contact person(s) to members of the university community. Such contact person(s) shall provide guidance, information and referral service relating to the medical, social and legal issues surrounding AIDS. Contact person(s) will hold in strictest confidence information received concerning an individual's diagnosis of AIDS, AIDS-related complex (ARC) or a positive response to the Human Immunodeficiency Virus (HIV) antibody test.

University officials will make no attempt to identify persons who have AIDS, ARC or test HIV positive. Further, no information shall be provided to any source whatsoever without written consent by the affected individual.

Eastern Washington University recognizes that the existence of AIDS, ARC or a positive HIV antibody test will not be a consideration of employment at, or admission to, the university.

Any Eastern Washington University department, program or other university entity engaging in procedures that possibly could expose any individual to the AIDS virus will have a written protocol detailing all procedures designed to provide reasonable protection.

The university will keep the Eastern Washington University community informed of new programs based on the most current scientific and legal information available. (New 5/92, UGSP070990-03)

Appendix E

Sexual Harassment Policy

Sexual Harassment Policy. Sexual harassment is a violation of basic tenets of human dignity. It violates Eastern Washington University's policies, federal and state laws, civil rights and professional ethics. Sexual harassment will not be tolerated.

The University believes education is the best way to prevent sexual harassment. Because of differences in employees' values and backgrounds, some individuals may find it difficult to recognize their own behavior as sexual harassment. Eastern Washington University will take all practical steps to educate the campus community about policies, grievance procedures, and possible disciplinary actions.

A. Sexual harassment is defined as unwelcome sexual advances, requests for sexual favors, or other verbal or physical conduct of a sexual nature when:

1. submission to such conduct is made either explicitly or implicitly a term or condition of an individual's employment or education, or
2. submission to or rejection of such conduct by an individual is used as the basis of employment or education decisions, or
3. such conduct has the purpose or effect of unreasonably interfering with an individual's education or work performance or creating an intimidating, hostile or offensive educational or work environment.

B. Sexual harassment may include, but is not limited to, unwelcome actions such as the following:

1. use of position or authority to coerce a student or employee to provide sexual favors;
2. sexually suggestive comments, demands or insults, or pressure for sexual activity.

The University will consider the circumstances and the context in which an incident occurred when determining if such action constitutes sexual harassment.

C. All members of the campus community are required to comply with this policy. The University will take appropriate action against any employee or student of Eastern Washington University who violates the policy. Persons with supervisor's responsibilities for employees or students are expected to report or take appropriate action when they know of sexual harassment. In determining supervisory responsibility, the

APPENDICES

extent of control over the circumstances, and corrective action, if any, taken by the supervisor, will be considered.

- D. Violation of this policy will lead to disciplinary action which is appropriate to the circumstances and which address the goal of prompt and effective action to stop sexual harassment. Such disciplinary action shall follow the principles of progressive discipline. Depending on the circumstances, the punishment may include, but is not limited to, verbal and written reprimands, suspension with pay, suspension without pay, demotion, expulsion, or dismissal.

This policy is consistent with the Equal Employment Opportunity Commission's regulations on sexual harassment.

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Complaints should follow the procedure for filing in the Discrimination Complaint Procedures, Policy Subtopic 600-090-040.

University Complaint Points of Contact for Students

Personnel in the following offices are available to receive and or refer formal complaints, mitigate informal complaints and give advice. Investigations will be performed by the Affirmative Action Coordinator

Affirmative Action Coordinator
Showalter 318
(509) 359-6874

Human Resources, Rights and Risk
Showalter 314
(509) 359-2381

Dean of Students Office
Pence Union Bldg. 320
(509) 359-2292

President's Office
Showalter 214
(509) 359-2371

University Internal Complaint Points for Employees

Affirmative Action Coordinator
Showalter 318
(509) 359-6874

Human Resources, Rights and Risk
Showalter 314
(509) 359-2381

President's Office
Showalter 214
(509) 359-2371

External Complaint Federal and State Agencies

A complainant may file a complaint for investigation by an agency listed below. Upon filing, the complainant will proceed under the processes and guidelines of that agency:

Washington State Human Rights Commission
905 Riverside, Suite 416
Spokane, WA 99201
(509) 456-4473
access.wa.gov/

U.S. Office for Civil Rights
Department of Education
2910 3rd Avenue, Mail Stop 106
Seattle, WA
(206) 442-1636 OCR@ed.gov
www.ed.gov/about/offices/list/ocr/index.htm

Office of Federal Contract Compliance
Room 3038, Regional Office or
Room 1104, Area Office
909 First Avenue
Seattle, WA
(206) 398-8005
www.dol.gov/esa/ofccp/index.htm

Equal Employment Opportunity Commission
1321 2nd Avenue, 7th Floor
Seattle, WA 98101
(206) 442-0968
www.eeoc.gov/

ADOPTED BY THE EWU BOARD OF TRUSTEES, APRIL 23, 1987

As amended, March 23, 1990.

As amended, June 28, 2004.

from the community and alumni. The President shall request nominations from campus governance groups. The President shall appoint the Chair and may appoint ex-officio members.

1 *Grutter v. Bollinger*, 539 U.S. 306 (2003)

Appendix F

Equal Opportunity and Affirmative Action Policy

Eastern Washington University does not discriminate on the basis of race, color, creed, religion, national origin, sex, sexual orientation, age, marital status, disability, or status as a disabled veteran or Vietnam era veteran. Any discriminatory action can be a cause for disciplinary action. This policy applies to all EWU programs and facilities, including, but not limited to, admissions, educational programs and employment. Such discrimination is prohibited by Titles VI and VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Sections 503 and 504 of the Rehabilitation Act of 1973, Age Discrimination in Employment Act of 1974, the Americans with Disabilities Act (ADA), the Civil Rights Act of 1991 and other federal and state statutes and regulations, and EWU policy. All compliance efforts with respect to these laws and regulations are under the direction of the affirmative action officer.

Appendix G

Diversity Policy

Eastern Washington University is committed to promoting respect for the rights and privileges of others by creating an inclusive environment in which students, faculty and staff value, and understand each individual's race, gender, ethnicity and other dimensions of difference. A diverse educational environment is essential in order to achieve our mission to prepare students to make contributions to a diverse society and to function in an increasingly diverse workforce. Our university has a compelling interest in attaining a diverse student body. "Student body diversity promotes learning outcomes and better prepares students for an increasingly diverse workforce and society."¹ A diverse educational environment promotes understanding of others, invigorates classroom discussion and helps break down stereotypes. A diverse working environment will naturally enable all participants to contribute to their full potential in pursuit of the University's mission.

The university encourages all members of its community to constructively and responsibly express their opinions and feelings about diversity so that all may benefit from honest, open and equitable dialogue. When any member of the educational community is threatened by discriminatory acts, everyone's fundamental freedoms are threatened. No form of violence, intimidation or harassment will be tolerated.

The President shall create an office to implement the university's initiatives on Diversity in the Learning and Working Environment.

President's Advisory Committee on Diversity

(1) Purpose. The purpose of the committee is to provide a presidential advisory body to advocate on the BOT's Diversity Initiative and to promote effective participation by members of all racial, ethnic and under represented groups in the civic life of our university. The Committee shall advise the administrative office that is responsible for addressing Diversity in the Learning Environment and in the Working Environment.

(2) Membership. The committee shall consist of fourteen members appointed by the president. The membership shall include three representatives each from the faculty, administrative employees, classified staff and students, and a representative

INDEX

- A**
- Academic Advising 319
- Academic Appeals Board 28
- Academic Calendar 7
- Academic/Holiday Calendar 2005-07 369
- Academic Deans 342
- Academic Forgiveness Policy 28
- Academic Honors 28-29
- Academic Integrity Policy 336-338
- Academic Policies:
- Graduate 36
- Undergraduate 28
- Academic Probation, Dismissal and Reinstatement (Undergraduate) 29
- Academic Resources 319-320
- Academic Support Center 319
- Access to Academic Records (FERPA) 338
- Accounting, Professional (See Business Administration)
- Accreditations 5
- Address Confidentiality Program, Washington State 341
- Administrative Office Management (See Business Administration)
- Admissions:
- Former Student 20
- Graduate 31
- Summary Application Guidelines 33-35
- International 20, 31
- Post-baccalaureate 20-21
- Student Athletes 21
- Transfer 21
- Undergraduate 19
- Freshman 19
- Exceptions to Automatic Admission 19
- Non-traditional students 19-20
- Advanced Placement (See Sources of Credit)
- Advising 319
- Africana Education Program 41-42, 321
- Aging Studies 43
- AIDS Information 363
- Alcohol Drug Studies 44-46
- American Indian Studies 46, 321
- American Sign Language 92
- Anthropology 47-49
- Appendices 356-364
- Application for Graduation 29
- Art 50-54
- Associated Students of Eastern Washington University (ASEWU) 324
- Athletics at EWU 324
- B**
- Biology 55-62
- Board of Trustees 342
- Bookstore, University 334
- Business Administration 63-76
- Business Education (See Business Administration)
- C**
- Calendar:
- Academic Calendar 7
- Academic/Holiday Calendar 2005-07 369
- Campus Planners 326
- Career Services:
- Career Planning 326
- Internship Programs 327
- Placement File Services 327
- Student Employment 327
- Catalog Options 29
- Centers of Excellence 320-322
- Certification/Add-on Endorsements (See Programs of Study Chart)
- Chemistry/Biochemistry 77-84
- Chicano Education 85-87, 321
- Childcare 334
- Children's Studies 86-87
- Chinese (See Modern Languages and Literatures and Philosophy)
- Class Standing, Classification 332
- CLEP/DANTE (See Sources of Credit)
- Clubs and Organizations 324-325
- College Instruction 88-89
- Colleges/School - Departments 14, 342
- Colleges/School - Subject Codes 14
- Colleges/School - Programs/Majors/Options/Minors/Endorsements/Certifications/Certificates 15-16
- Communication Disorders 90-94
- Communication Studies 95-100
- Comprehensive Exam Policy 37
- Computer Literacy 24
- Computer Literacy and Applications (See Computer Science)
- Computer Resources and Laboratories 319-320
- Computer Science 100-114
- Computer Science Education (See Computer Science)
- Conduct, (See Student Conduct Code)
- Cooperative Academic Library Services (CAL) 324
- Correspondence Courses (See Independent Learning)
- Counseling and Psychological Services (CAPS) 335
- Counseling, Educational and Developmental Psychology 115-125
- Course:
- Dropping 18, 331
- Load 36, 331
- Numbers 8, 331
- Overloading 331
- Repeating 36, 64, 331
- Withdrawing 332
- Creative Writing (See English)
- Credits, Policy 338-339
- Criminal Justice 126-127
- D**
- Dean of Students 325
- Deans Honor List 28
- Decision Science (See Business Administration)
- Declaring a Major and Minor 29
- Degree:
- Program Chart 9-13
- Requirements
- Graduate 32
- Undergraduate 26-28
- Second Degree Policy 30
- Dental Hygiene 128-130
- Departments 14
- Dining Services 330
- Direct Transfer Agreement 22
- Disability Support Services 335
- Diversity Policy 364
- Diversity Programs 321-322
- Africana Education Program 321
- American Indian Studies Program 321
- Chicano Education Program (CEP) 321
- Women's Studies Center Programs 321-322
- Division of Educational Outreach 322-324
- E**
- Eagle Outpost 335
- Earth Science 131
- Easterner, The 326
- Economics 132-134
- Education 135-146
- Educational Outreach:
- Independent Learning 322
- Interdisciplinary Studies 323
- International Field Studies 323
- Office of Professional Development and External Programs 322-323
- Eisenhower Center 323
- Electronic Media, Theatre and Film 147-148
- Emeritus Faculty 352-355
- Employment, Student (See Career Services)
- Engineering and Design 149-158
- English 159-170
- English Composition
- Proficiency 24, 26
- English Language Institute 171
- English as a Second Language 171-172
- Enrollment and Registration Process 331-333
- Enrollment Verification 333
- Environmental Science 173-174
- Epic Adventures 325
- Equal Opportunity and Affirmative Action Policy 364
- Exercise Science (See Physical Education, Health and Recreation)
- F**
- Faculty Directory 342-355
- Family Educational Rights and Privacy Act of 1974 (FERPA) 338, 359-361
- Final Exams 339
- Finance (See Business Administration)
- Financial Aid and Scholarships
- Graduate Students 327-329
- Undergraduate Students 327-328
- Fine Arts and Music 334
- First Year Experience 329
- Focus, The 326
- Food and Nutrition/Dietetics 175
- Food Services (See Dining Services)
- Foreign Language Requirement 28
- French (See Modern Languages and Literatures and Philosophy)
- G**
- General Education Requirements 26-28
- General Modern Languages (See Modern Languages and Literatures and Philosophy)
- General Undergraduate Academic Advising 319
- Geography 175-179
- Geology 179-182

INDEX

- George Stahl Planetarium 334
German (See Modern Languages and Literatures and Philosophy)
Government 183-187
Grade Appeals 333, 339
Grading System:
 Grade Appeals and System 339
 Grade Reports 339
 Incomplete Grades 340
 Letter Grades 339
 Ongoing Thesis or Research Work 340
 Numerical Grades 341
 Undergraduate Pass/Fail Grade Option 340
 Undergraduate Pass/No Credit Grade Option 339-340
Graduate:
 Academic Policies 36
 Admissions 31
 Admissions Exceptions 31
 And Professional Experience 31-32
 Application Guidelines 31
 Approved Departmental Comprehensive Exams 39
 Candidacy 37
 Degree Committees and Final Comprehensive Exams 37
 Degree Requirements 32
 Grade Point Average 37
 Graduate Student Summary Guide to Policy and Procedures 40
 Graduation Application 37
 Minimum Dual Degree Requirements and Programs 37
 Previous Graduate Credits 37
 Probation Policy 37-38
 Residency Requirements 38
 Summary Application Guidelines 33-35
 Summary Guide to Policies and Procedures 40
 Thesis, Research Report, or other Terminal Document Requirements 38
Graduation Application 37
Graduation Honors 28-29
Graduation Requirements:
 Graduate 32
 Undergraduate 26
Greek Life 325
Guide to Catalog 8
- H**
Health Education (See Physical Education, Health and Recreation)
Health Services Administration 188-190
History 191-196
History of EWU 4
Helping Ourselves Means Education (H.O.M.E.) 335
Honors Program 320
Honors, University 28, 197-198, 320
Housing and Residential Life 326, 330
Human Resource Management (See Business Administration) 198-200
Humanities 198-200
- I**
Identification Cards 335
Incompletes (See Grading System)
Independent Learning 322
Indian Studies (See American Indian Studies)
Inland Northwest Center for Writers 320-321
Integrative Studies 201
Interdisciplinary Graduate Programs 201
Interdisciplinary Studies 202, 323
International Affairs 203-204
International Business (See Business Administration)
International Education and Services 323
 International Education Office 323
International Field Studies 323
International Students, Admissions 20, 31
Internship Programs 327
Intramural and Club Sports 325
- J**
Japanese (See Modern Languages and Literatures and Philosophy)
John F. Kennedy Library 324
Journalism 205-207
- L**
Libraries, University 324
Library Science (See Education)
Linguistics 207
Locations for EWU 6
- M**
Major/Minor Requirements 29
Management, General (See Business Administration)
Management Information Systems (See Business Administration)
Marketing (See Business Administration)
Marketing Education (See Business Administration)
Maps Inside Back Cover
Mathematics 208-217
Mathematics Competency and Proficiency Requirements 24, 26
McNair's Scholar Program 320
Military Science 218-220
Mission Statement 2
Modern Languages and Literatures and Philosophy 220-227
Music Program 228-236, 321
- N**
Natural Science 237
Nursing 238-243
- O**
Occupational Therapy 244-250
Operations Management (See Business Administration)
Orientation 330
Outdoor Program (See Epic Adventures)
Overloading, Courses 331
- P**
Parking 335
Pence Union Building (PUB) 334
Philosophy 251-253
Phone Numbers 368
Physical Education (See Physical Education, Health and Recreation)
Physical Education, Health and Recreation 253-267
Physical Therapy 267-272
Physics 272-275
Placement and Clearance Exams 24
Planetarium, George Stahl 334
Police, University 336
Policies 336-341
 Academic Integrity Policy 336-338
 Access to Academic Records 338
 Credits 338-339
 Final Exams 339
 Grade Appeals 339
 Grading System 339-341
 Repeating Courses 36, 64, 331-332
 Residency 341, 361-363
Preprofessional Programs 275-277
President's Welcome 1
Pre-university Skills Courses 24
Professional Development and External Programs, Office (OPDEP) 323
Professional Training and Development (See Business Administration)
Programs of Study - Graduate/Undergraduate:
 Graduate
 Art 52
 Biology 57-58
 Business Administration 67-69
 College Instruction 88-89
 Communication Disorders 91-92
 Communication Studies 96-97
 Computer Science 106-107
 Counseling, Educational and Developmental Psychology 118-121
 Economics 133
 Education 138-141
 Engineering and Design 154
 English 162-164
 Geography 175
 Health Services Administration 188-189
 History 191-193
 Interdisciplinary 202
 Mathematics 208-209
 Modern Languages and Literatures 220
 Music 228
 Nursing 238-240
 Occupational Therapy 244-247
 Physical Education, Health and Recreation 253-254
 Physical Therapy 267-268
 Psychology 279-281
 Public Administration 285-288
 Social Work 294-298
 Urban and Regional Planning 310-312
 Undergraduate
 Africana Education Program 41
 Aging Studies 43
 Alcohol/Drug Studies 44
 American Indian Studies 46
 Anthropology 47
 Art 50-52
 Biology 55-57

INDEX

Business Administration	63-67	Grading and Transcripts	333	Student Support Services	320
Chemistry and Biochemistry	77-82	Reporting Grades	333	Study Abroad Program (See International Education and Services)	
Chicano Education	85	Transcript Request	333	Subject Codes	14
Children's Studies	86-87	Recreation and Leisure Services (See Physical Education, Health and Recreation)		Summer Session	323-324
Communication Disorders	90-91	Refund Policy	18		
Communication Studies	95	Registration Process	331-333	T	
Computer Science	100-106	Religious Studies	290	Table of Contents	3
Counseling, Educational and Developmental Psychology	115-118	Residence Halls	330	Technology (See Engineering and Design)	
Criminal Justice	126	Residential Life	330	Theatre	306-308
Dental Hygiene	128-129	Residency Status (Washington State)	341, 361-363	Transcripts, Requests For	333
Earth Science	131	Ronald E. McNair's Scholars Program (See McNair's Scholars)		Transfer Admissions	21
Economics	132	Running Start	21, 323	Tuition, Fees and Refunds	17
Education	135-138	Russian (See Modern Languages and Literatures and Philosophy)			
Electronic Media, Theatre and Film	147	S		U	
Engineering and Design	149-154	Scholarships	328	Undergraduate:	
English	159-162	Science Education (See Biology)		Academic Policies	28-30
English as a Second Language	171	Second Degree Policy (See Degree)		Admissions	19-22
Environmental Science	173-174	Sexual Harassment Policy	363-364	Degree Chart	25
Geography	175-176	Social and Behavioral Sciences Courses	290-291	Degree Requirements	26-28
Geology	179-180	Social Studies	291-292	Graduation Application	29
Government	183-185	Social Work	293-302	University Administration	342
Health Services Administration	188	Sociology	303-306	University Facilities:	
History	191-192	Sources of Credit Chart	23	Fine Arts and Music	334
Humanities	198-199	Spanish (See Modern Languages and Literatures and Philosophy)		George Stahl Planetarium	334
Interdisciplinary Studies	202	Spokane Center	334	Pence Union Building	334
International Affairs	203-204	Sports and Recreation Center	334	Spokane Center	334
Journalism	205-206	Student Conduct Code	356-359	Sports and Recreation Center	334
Linguistics	207	Student Directory Information	338	University Organization	14
Mathematics	208-212	Student Employment	327	University Phone Numbers	368
Military Science	218-219	Student Financial Services	333	University Services:	
Modern Languages and Literatures	220-223	Student Government	324	Book Store	334
Music	228-231	Student Health, Wellness and Prevention	335	Childcare	334
Natural Science	237	Student Life:		Counseling and Psychological Services	335
Nursing	238-239	Associated Students of Eastern Washington University (ASEWU)	324	Disability Support Services	335
Philosophy	251	Athletics at Eastern	324	Eagle Outpost	335
Physical Education, Health and Recreation	253-258	Clubs and Organizations	324	HOME (helping Ourselves Means Education)	335
Physics	272-273	Dean of Student/Associate Vice President for Student Life	325	Identification Cards	335
Pre-Professional Programs	275-277	Epic Adventures	325	Parking	335
Psychology	278-279	Greek Life (Fraternity/Sorority System)	325	Student Health, Wellness and Prevention	335
Religious Studies	290	Intramural and Club Sports	325	University Police	336
Social Studies	291-292	Residential Life	326, 330	Veterans Services	336
Social Work	293-294	Student Rights and Responsibilities, Office of	326	Urban and Regional Planning	309-314
Sociology	303	Washington Student Lobby	326		
Theatre	306-307	Student Publications:		V	
Urban and Regional Planning	309-310	Campus Planners	326	Verification of Enrollment	333
Women's Studies	315-316	The Easterner	326	Veteran Services	336
Programs of Study Chart	9-13	The Focus	326	Vocational Education (See Business Administration)	
Psychology	278-285	Student Rights and Responsibilities	326		
Public Administration	285-289	Student Services:		W	
		Career Services	326-327	Washington Student Lobby	326
R		Financial Aid Scholarships	327-329	Withdrawal, Course	332
Radio-Television (See Electronic Media, Theatre and Film)		First Year Experience	329	Withdrawal, University	332
Repeating Courses	36, 64, 331-332	Housing and Residential Life	326-330	Women's Studies	315-318
Records and Registration Office:		Orientation	330	Women's Studies Center Programs	321-322
Classification of Students	332	Records and Registration	331-333	Writers' Center	320
Course Numbers	8, 333	Student Financial Services (SFS)	333		
Enrollment and Registration Process	331-332				
Dropping Courses	331				
Overloading Courses	331				
Repeating Courses	36, 64, 331-332				
Registration, Changes to	331				
Withdrawing from Courses	332				
Withdrawing from the University	332				
Enrollment Verification Process	333				

GENERAL PHONE NUMBERS AT EASTERN:

Academic Advising (Undergraduate)	359-2345	Humanities	359-6023
Accounting	358-2234	Internship Office	359-4637
Admissions (Undergraduate)	359-2397	Interdisciplinary Studies	359-2402
African American Educ. Prog.	359-2205	International Education	359-2331
Alcohol/Drug Studies Program	359-6265	Intramural Sports	359-7877
Alumni	235-5034	Journalism	623-4347
American Indian Studies Program	359-2441	Library-Cheney	359-6263
Anthropology	359-2433	Library-Riverpoint	358-7930
Art	359-2494	Lost and Found and (Univ. Police)	359-6300
Associated Students	359-2514	Management Information Systems	358-2285
Athletics	359-2463	Management	358-2254
Baldy's	359-2309	MARS Lab	359-4875
Biology	359-2339	Master's in Business Administration	358-2270
Body Shop	359-2639	Mathematics	359-6225
Bookstore-Cheney	359-2542	McNair Scholars	359-2471
Bookstore-Spokane	623-4365	Military Science	359-2386
Business and Public Administration	359-4245	Modern Languages and Literature	359-2481
Campus Hairstyling	359-7840	Music	359-2241
Campus Operator	359-6200	Natural Science	359-6512
Campus Security	359-6300	Occupational Therapy	368-6560
Career Services	359-2221	Orientation	359-6843
Chemistry/Biochemistry	359-2447	Outdoor Program Office (Epic)	359-7920
Chicano Education Program	359-2404	Parking	359-6448
College Instruction Program	359-7021	Philosophy	359-7064
Communication Disorders	359-6622	Physical Education, Health and Recreation	359-2341
Communication Studies	359-2313	Physical Therapy	368-6601
Computer Lab PUB	359-6650	Physics	359-2334
Computer Lab Riverpoint	358-2286	Police	359-6300
Computer Lab Spokane	623-4340	President	359-2371
Computer Science	359-6260	Psychology	359-2478
Counseling Center	359-2366	PUB (Pence Union Building)	359-7921
Counseling Educ. and Dev. Psy.	359-2827	Public Administration	358-2248
Creative Writing Program	623-4221	Records and Registration	359-2321
Criminal Justice	359-2335 or 359-2209	Residential Life	359-2451
Dean of Students	359-2292	Riverpoint	358-2200
Dental Hygiene	368-6510	Riverpoint Student Services	368-6506
Distance and Extended Learning	359-2268	Rockwood Clinic-Cheney	755-6520
Disability Support Services	359-6871	ROTC	359-2386
EagleCard	359-6184	Running Start Office	359-6060
Eastern	359-6270	SIRTI	358-2010
Economics	359-2281	Social Work and Human Services	359-2283
Education	359-2232	Sociology	359-2335
Electronic Media, Theatre and Film	359-6390	Spokane Center	623-4200
Engineering and Design	359-2436	Sports and Rec. Center	359-2206
English	359-2401	STAR Program	359-6843
English as a Second Language/Teaching	359-7359	Student Activities	359-7919
English Language Institute	359-2482	Student Affairs	359-6015
Financial Aid and Scholarships	359-2314	Student Employment	359-6365
Focus	359-2514	Student Financial Services	359-6372
Geography	359-2433	Student Health	359-4279
Geology	359-2286	Study Abroad	359-2442
Government	359-2362	Theatre	359-2459
Graduate Studies Office	359-6297	Transcripts	359-4871
Health Education Program	359-4308	Urban and Regional Planning	358-2230
Health, Wellness and Prevention	359-4279	Veterans Services	359-6592
History	359-2337	Women's Studies	359-2847
Honors Program	359-2822		
Housing/Residential Life	359-2451		

Academic/Holiday Calendar

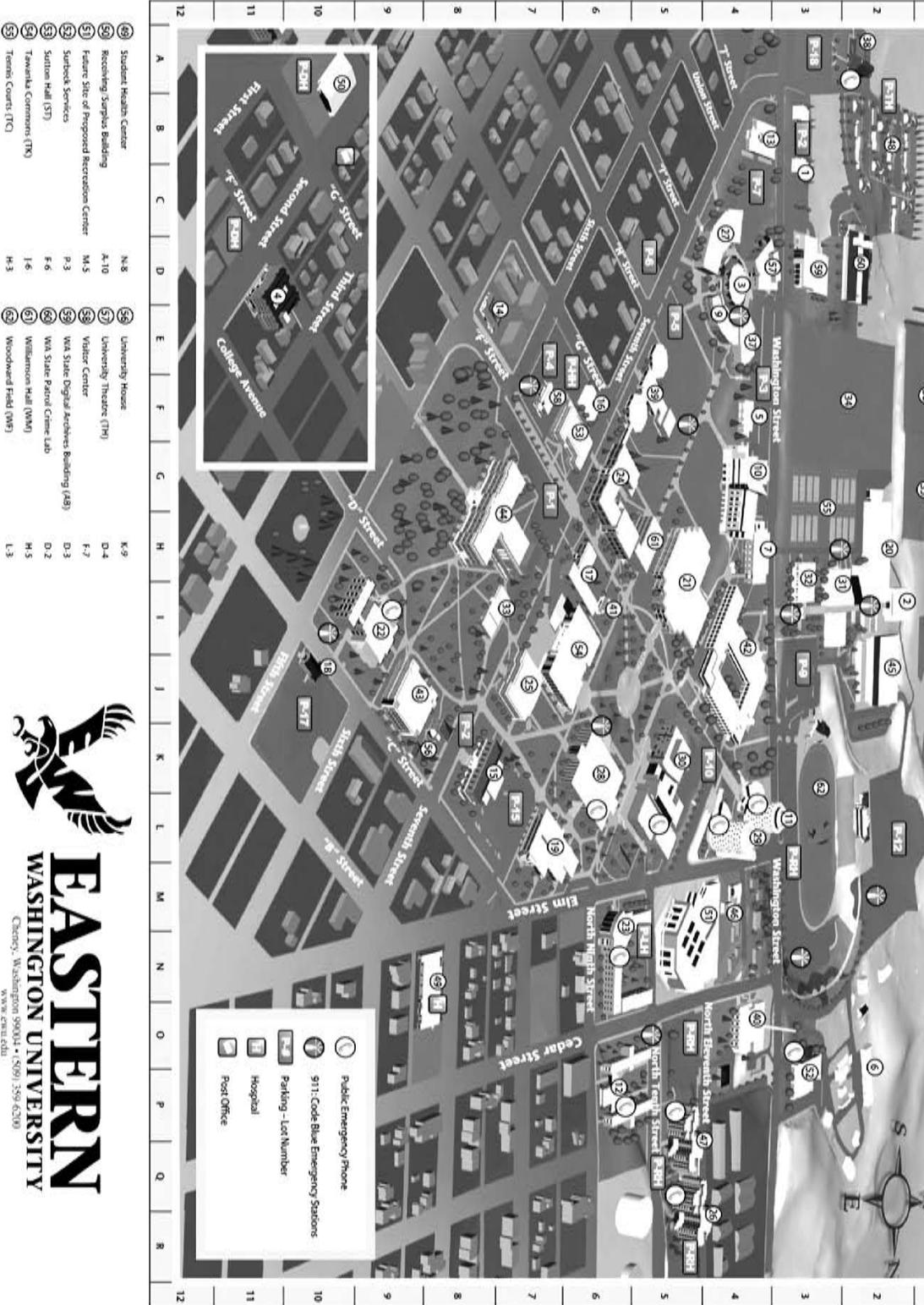
Fall Quarter 2006 through Summer 2008

<i>FALL QUARTER</i>		<i>FALL 2006</i>	<i>FALL 2007</i>
Labor Day Holiday	Monday	Sept. 4	Sept. 3
Instruction Begins	Wednesday	Sept. 20	Sept. 26
Veterans Day Holiday		Nov. 10 (Fri.)	Nov. 12 (Mon.)
Thanksgiving Holiday	Thursday–Friday	Nov. 23–24	Nov. 22–23
Last Day of Instruction	Friday	Dec. 1	Dec. 7
Final Exams Week	Monday–Thursday	Dec. 4–7	Dec. 10–13
Last Day of Quarter	Friday	Dec. 8	Dec. 14
Christmas Holiday		Dec. 25 (Mon.)	Dec. 25 (Tues.)
<i>WINTER QUARTER</i>		<i>WINTER 2007</i>	<i>WINTER 2008</i>
New Years Holiday		Jan. 1 (Mon.)	Jan. 1 (Tues.)
Instruction Begins	Monday	Jan. 8	Jan. 7
ML King Jr. Holiday	Monday	Jan. 15	Jan. 21
Presidents' Day Holiday	Monday	Feb. 19	Feb. 18
Last Day of Instruction	Monday	Mar. 19	Mar. 17
Final Exams Week	Tuesday–Friday	Mar. 20–23	Mar. 18–21
Last Day of Quarter	Friday	Mar. 23	Mar. 21
<i>SPRING QUARTER</i>		<i>SPRING 2007</i>	<i>SPRING 2008</i>
Instruction Begins	Monday	Apr. 2	Mar. 31
Memorial Day Holiday	Monday	May 28	May 26
Last Day of Instruction	Friday	June 8	June 6
Final Exams Week	Monday–Thursday	June 11–14	June 9–12
Last Day of Quarter	Friday	June 15	June 13
Commencement	Saturday	June 16	June 14
<i>SUMMER QUARTER</i>		<i>SUMMER 2007</i>	<i>SUMMER 2008</i>
Instruction Begins	Monday	June 25	June 23
Independence Day Holiday		July 4 (Wed.)	July 4 (Fri.)
Last Day of Instruction	Wednesday	Aug. 15	Aug. 13
Final Exams	Thursday–Friday	Aug. 16–17	Aug. 14–15
Last Day of Quarter	Friday	Aug. 17	Aug. 15

EWU Campus Map

- 1 Anna Maria Apartments (AMS)
- 2 Aquatics Building (AQ)
- 3 Art Building (AB)
- 4 Brewer Hall (BH), (BHW)
- 5 Cadet Hall (CD)
- 6 Central Stores
- 7 Cherry Hall (CH)
- 8 Chisum Field
- 9 Communications Building (CM)
- 10 Computing and Engineering Building (CE)
- 11 Divisler Hall (DH)
- 12 Dryden Hall (DR)
- 13 EWU Children's Center
- 14 Governor Martin Alumni House
- 15 Haggraves Hall (HG)
- 16 Huber House (HU)
- 17 Hudson Hall (HD)
- 18 Indian Education Center (IE)
- 19 Ice Hall (IL)
- 20 Jan Thorpe Fieldhouse (JT)
- 21 JPK Library (JK)
- 22 Kingston Hall (KC)
- 23 Louise Anderson Hall (LA), (LANO)
- 24 Martin Hall (MH)
- 25 Morrison Hall (MN)
- 26 Music Building (MS)
- 27 Patterson Hall (PT)
- 28 Pearce Hall (PC)
- 29 Pearce Union Building (PU), (PUS)
- 30 P.E. Activities (PA), (PADS), (PA)
- 31 P.E. Classroom Building (PC)
- 32 Plant Utilities
- 33 Playfield 1
- 34 Playfield 2
- 35 Playfield 3
- 36 Radio-TV Building (RV)
- 37 Red Barn
- 38 Robert Reid Lab School (RR)
- 39 Rowell Plant
- 40 Cherry Normal School Heritage Center
- 41 Science Building (SK)
- 42 Senior Hall (SN)
- 43 Showalter Hall (SH)
- 44 Special Events Pavilion/Rates Court (PV)
- 45 State House (SP)
- 46 Streeter Hall (STR)
- 47 Student Family Housing (TFH)

- C-3
- D-4
- D-11
- F-4
- F-2
- H-4
- H-1
- E-4
- C-4
- L-4
- P-6
- S-4
- E-8
- K-8
- F-6
- H-6
- L-7
- H-2
- L-5
- N-5
- N-6
- C-6
- B-5
- D-4
- K-6
- L-4
- L-5
- L-3
- L-3
- L-7
- F-2
- C-1
- F-1
- E-4
- A-2
- F-4
- O-4
- L-6
- F-4
- H-8
- P-2
- M-4
- O-5
- B-2



- 49 Student Health Center
- 50 Receiving Samples Building
- 51 Future Site of Proposed Recreation Center
- 52 Surfside Services
- 53 Sartlow Hall (ST)
- 54 Tawana Commons (TC)
- 55 Tennis Courts (TC)
- N-8
- A-10
- M-5
- P-3
- F-6
- L-6
- H-5
- K-9
- D-4
- F-7
- D-3
- D-2
- H-5
- L-3



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Cheney, Washington 99004 • (509) 359-6200
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