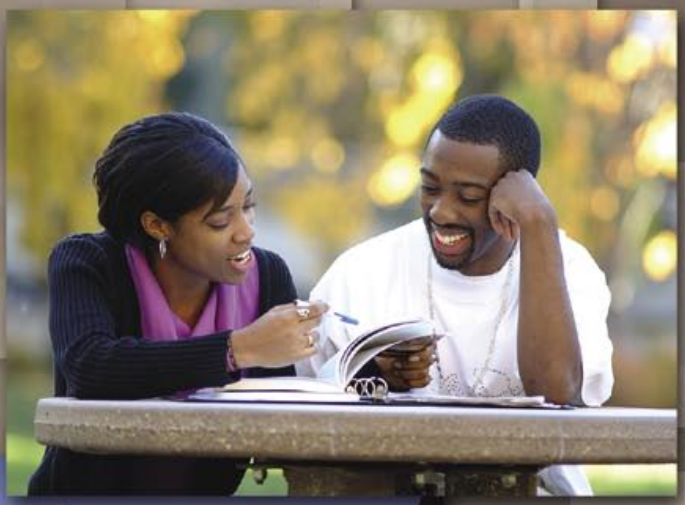
Fall 2004-Summer 2005

Graduate and Undergraduate Catalog



EASTERN WASHINGTON UNIVERSITY

President's Welcome

To all prospective, new and returning students:

Welcome to Eastern Washington University. As we say here – often and proudly – this is a great time to be an Eagle!

Eastern is a dynamic place to be. Our 9,500-plus students study here on our beautiful 300-acre campus in Cheney. Just 16 miles up the road is the metropolitan city of Spokane, where our health sciences and a variety of other upper division professional programs are located (at the Riverpoint Higher Education Park). Students have the advantages of a traditional college campus experience in a small community, right next door to all that a big city has to offer – the best of both worlds.

As a university focused on career preparation with a strong underpinning in the liberal arts, we stress and value excellence in teaching and learning in an environment which we strive to make inclusive, respectful and supportive of the entire learning community. These things are at the heart of our university.

We have made great strides in recent years. We are home to the nation's only digital state archives building. A state-of-the-art building to house our new School of Computing and Engineering Sciences is due to open in spring 2005. A Washington State Patrol forensics building is under construction, a facility in which our forensic science students will receive real-world, hands-on experience. With these three structures – all along Washington Street on our campus – we are creating an applied research complex second to none in the nation.

Our students work alongside our excellent faculty (including national award-winning authors who teach in our Inland Northwest Center for Writers), have the opportunity to perform with the Spokane Symphony, do biotech research, prepare to become a teacher, study in the nation's only graduate program in urban & regional planning with a tribal planning emphasis, participate in Intramurals and watch Big Sky Conference athletic events, and so much more – all in a great location and alongside students from many countries and a variety of backgrounds.

We are consistently listed in such publications as *201 Colleges for the Real World* and on the list of "Schools That Offer The Best Value (Quality of Education vs. Cost) for Your Tuition Dollar" in *The Kaplan/Newsweek College Catalog*. And, for the very first time ever in our history, the EWU Eagles men's basketball team participated in the NCAA Basketball Tournament in 2004s March Madness — as the champs of the Big Sky Conference!

I want to join our faculty and staff in welcoming you to Eastern. Whether you are a new student, a returning student or a prospective student, it is truly a great time to be an Eagle!

Sincerely,

Dr. Stephen M. Jordan

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.

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DISCLAIMER

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.

A History of Eastern Washington University

Over 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/faculty ration 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 9,500 students, Eastern Washington University is a major force in the civic, cultural, scientific, and economic development of the state and region.

"From One to Z" by Ms Gloria Bornstein

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 U.S. 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 National Athletic Training Association Board of Certification (NATABOC).

Business

The Association to Advance Collegiate Schools of Business (AACSB-International) 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 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.

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 Washington State 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 National League for Nursing 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).

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's 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.

Technology

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.

Urban and Regional Planning

Both the undergraduate and graduate programs in Urban and Regional Planning 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. (Maps are 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 over 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: The 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

Riverpoint Phase I, 668 N. Riverpoint Blvd. Spokane WA, 99202: Eastern Washington University shares the Riverpoint campus with Washington State University. Located just east of the downtown business core, Riverpoint 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 Computer Science master's degree is based at the SIRTI facility, as well as several undergraduate computer science and computer information systems courses.

A regional hub for innovation and catalyst for economic growth, SIRTI houses a software engineering laboratory operated by Eastern Washington University in collaboration with SIRTI.

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, Mathematics, and Technology: Occupational Therapy; Physical Therapy; Dental Hygiene; and a cooperative Communication Disorders program with Washington State University, called the University Programs in Communication Disorders (UPCD).

State wide 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 currently include:

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

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

Master of Education in Elementary Education with Certification: Kent

Master of Education in Curriculum and Instruction, and Professional Certification: Walla Walla

Master of Social Work: Everett, Yakima, Vancouver

*ACADEMIC CALENDAR**

	FALL 2004	*WINTER 2005*	*SPRING 2005*	*SUMMER 2005*	*FALL 2005*
Scholarship applications due for 2005-06		Feb. 1			
Financial Aid applications due for 2005-06		Feb. 15			
Admission application or re-enrollment: Undergraduate Graduate – varies by program; see graduate program guidelines International – 6 months prior to start of intended quarter of entry	March 1	Oct. 15, '04	Feb. 15	March 1	March 1
All official transcripts received to register	April 16	Oct. 5, '04	Jan. 14		April 8
Priority registration begins for continuing students	May 17	*Nov. 12, '04	*Feb. 22	April 25	*May 16
Undergraduate degree application due	May 28, '04	Aug. 6, '04	Nov. 19, '04	Feb. 25	May 20
Registration for New, Transfer, and Former Student Returning	June 7	Dec. 6, '04	March 7		June 6
Graduate degree application due	July 2	Oct. 1	Jan. 10	April 8	July 1
Instruction Begins - (Fall begins on Wednesday)	Sept. 22	Jan. 3	March 28	June 20	Sept. 21
Last day for EagleNet transactions (no fees)	Sept. 28	Jan. 7	April 1		Sept. 27
Tuition and Fees due	Sept. 28	Jan. 7	April 1		Sept. 27
Course fees to drop/register begin; last day for 100% refund for complete withdrawal	Sept. 29	Jan. 10	April 4	varies	Sept. 28
Last day to register/add classes or drop classes with no entry on transcript	Oct. 5	Jan. 14	April 8	varies	Oct. 4
50% refund for withdrawal ends	Oct. 21	Feb. 1	April 26	varies	Oct. 20
Last day for individual course withdrawal/ schedule change; grade option changes; "W" grade recorded on transcript;	Nov. 12	Feb. 18	May 13	varies	Nov. 10
Last class day before final exams	Dec. 3	March 14	June 3	Aug. 10	Dec. 2
Final exams	Dec. 6-9	March 15-18	June 6-9	Aug. 11-12	Dec. 5-8
Quarter ends	Dec. 10	March 18	June 10	Aug. 12	Dec. 9
Commencement (Saturday)			June 11		
Graduate students last day to complete final comprehensive examination	Dec. 10	March 18	June 10	Aug. 12	Dec. 9
Graduate students submit 4 copies of approved thesis to Graduate Studies Office	Dec. 10	March 18	June 10	Aug. 12	Dec. 9
Holidays	Nov. 11 Nov. 25-26	Jan. 17 Feb. 21	May 30	July 4	Nov. 11 Nov. 24-25

***Tentative Dates**

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 then graduate study. The main body of the catalog lists in alphabetical order the programs of study that Eastern offers. The back section contains information on student services, faculty and administration, key state and federal policies, and an index. Maps of the campus and a general telephone listing 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 usability of this catalog. Please make comments at either: Mark.Baldwin@mail.ewu.edu or Lawrence.Briggs@mail.ewu.edu.

How to read the course descriptions

❶ ❷

BIOL 303

❸

Invertebrate Zoology (5) ❹

FALL ❺

❻

Prerequisites: BIOL 171, 270, CHEM 153.
The structure, function, and phylogenetic relationships of the invertebrate phyla from the Protista through the Echinodermata.

❼

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 courses, 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 – other information that may be included for some courses;

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

PROGRAMS OF STUDY

	College/ School of	Bachelor's	Minor	Teaching Endorsement/ Certification	Master's	Doctorate	Certificate
AFRICAN AMERICAN EDUCATION Undergraduate: African American Studies	SW		■				
AGING STUDIES	SW		■				
ALCOHOL/DRUG STUDIES Undergraduate: Counseling and Prevention	SW		■				
AMERICAN INDIAN STUDIES Undergraduate: Indian Studies	SW		■				
ANTHROPOLOGY Undergraduate: Linguistics	SB	■	■				
ART Undergraduate: Art History; Studio Art; Visual Arts	AL	■	■	■			
BIOLOGY Undergraduate: Biochemistry/Biotechnology; Biology; Pre-med/Pre-dent/Pre-vet Graduate: Biology	ST	■	■	■	■		
BUSINESS Undergraduate: Business Administration; Business Education; Economics; Finance; General Management; Human Resource Management; International Business; Management Information Systems; Marketing; Marketing Education; Operations Management; Prof. Accounting; Business Administration: Pre-MBA; International Business; Quality Management Graduate: Business Administration	BN	■	■	■	■		
CHEMISTRY AND BIOCHEMISTRY Undergraduate: Business; General; Biochemistry; Biochemistry/Biotechnology; Computer Science; Environmental; Forensic Science; Pre-med/Pre-dent/Pre-vet; Professional; Standard	ST	■	■				
CHICANO EDUCATION Undergraduate: Chicano Studies	SW		■				
COLLEGE INSTRUCTION	EH				■		
COMMUNICATION DISORDERS	ST	■	■		■		■
COMMUNICATION STUDIES Undergraduate: General; Interpersonal Communication; Public Communication; Public Relations; Organizational Communication	SB	■	■				
COMMUNICATIONS	SB				■		
COMPUTER SCIENCE Undergraduate: Computer Applications; Computer Information Systems; Computer Science; Multimedia Programming & Development; Multimedia & Web Design Graduate: Computer Science	ST	■	■		■		
COUNSELING, EDUCATIONAL, & DEVELOPMENTAL PSYCHOLOGY Undergraduate: Applied Developmental Psychology; Child Development; Dual Primary Endorsement Program; Special Education; Special Education with Early Childhood Education Graduate: Mental Health Counseling; School Counseling; School Psychology; Special Education	EH	■	■	■	■		
CRIMINAL JUSTICE	SB	■	■				
DENTAL HYGIENE	ST	■					
EARTH SCIENCE	ST	■		■			
ECONOMICS Undergraduate Options: Mathematics	SB	■	■				

PROGRAMS OF STUDY

	College/ School of	Bachelor's	Minor	Teaching Endorsement/ Certification	Master's	Doctorate	Certificate
EDUCATION Undergraduate: Children's Studies; Early Childhood Education; Gifted/Talented; Library Media; Reading Graduate: Adult Education; Curriculum & Instruction; Educational Leadership; Elementary Teaching; Foundations of Eduction; Instructional Media & Technology; Literacy Specialist	EH	■	■	■	■		
ELECTRONIC MEDIA, THEATRE AND FILM Undergraduate: Electronic Media & Filmic Arts	AL	■					
ENGINEERING TECHNOLOGY & MULTIMEDIA DESIGN Undergraduate: Grahpic Communications; Computer Engineering Technology; Mechanical Engineering Technology; Applied Technology; Construction; Design; Electronics; Manufacturing	ST	■	■				
ENGLISH Undergraduate: Creative Writing; English; General Interest; Literary Studies; Technical Communications; Technical Writing Graduate: Creative Writing; Literature; Rhetoric, Composition, & Technical Communication; Teaching English as a Second Language	AL	■	■	■	■		
ENGLISH AS A SECOND LANGUAGE	AL		■	■			
ENVIRONMENTAL SCIENCE	ST	■					
GEOGRAPHY	SB	■	■				
GEOLOGY Undergraduate: Environmental	ST	■	■				
GOVERNMENT Undergraduate: Pre-Law	SB	■	■				
HEALTH SERVICES ADMINISTRATION	BN	■	■				■
HISTORY	SB	■	■	■	■		
HUMANITIES	AL	■	■				
INTERDISCIPLINARY (MASTER'S)	Varies				■		
INTERDISCIPLINARY STUDIES Undergraduate: Interdisciplinary; Liberal Arts; Prior Learning	SB	■					
INTERNATIONAL AFFAIRS	SB	■					
JOURNALISM Undergraduate: Computer Science; News Editorial; Public Relations; Technology	AL	■	■				
MATHEMATICS Undergraduate: Computer Science; Economics; Mathematics; Statistics	ST	■	■	■	■		
MILITARY SCIENCE	SB	■	■				
MODERN LANGUAGES AND LITERATURES Undergraduate: French; German; Japanese; Spanish Graduate: French	AL	■	■	■	■		
MUSIC Undergraduate: Broad Area; Choral Music; Liberal Arts; Instrumental, Choral, General; Instrumental Music; Instrumental Performance; Music Composition; Piano Performance; Vocal Performance Graduate: Composition; General; Music Education; Performance	AL	■	■	■	■		
NATURAL SCIENCE	ST	■					
NURSING Graduate: Community-Based/Population-Focused; Family Nurse Practitioner; Psychiatric/Mental Health Nurse Practitioner	ST	■			■		
OCCUPATIONAL THERAPY	ST	■			■		
PHILOSOPHY	AL		■				

PROGRAMS OF STUDY

	College/ School of	Bachelor's	Minor	Teaching Endorsement/ Certification	Master's	Doctorate	Certificate
PHYSICAL EDUCATION, HEALTH AND RECREATION Undergraduate: Athletic Training; Community Health Education; Exercise Science; General; Health; Health & Fitness; Health Promotion & Wellness; Outdoor Recreation; Physical Education; Recreation Management; Therapeutic Recreation Graduate: College Instruction/Physical Education, Health & Recreation; Physical Education	EH	■	■	■	■		
PHYSICAL THERAPY	ST						■
PHYSICS	ST	■	■	■			
PSYCHOLOGY Graduate: Clinical; General/Experimental; School Psychology	SB	■	■	■			
PUBLIC ADMINISTRATION	BN				■		
RELIGIOUS STUDIES	AL		■				
SOCIAL STUDIES	SB	■	■	■			
SOCIAL WORK	SW	■			■		
SOCIOLOGY	SB	■	■				
THEATRE	AL	■	■	■			
URBAN AND REGIONAL PLANNING	BN	■	■		■		
WOMEN'S STUDIES	SB		■				

COLLEGE/SCHOOL OF:

AL: College of Arts and Letters

BN: College of Business and Public Administration

EH: Education and Human Development

SB: College of Social and Behavioral Sciences

ST: College of Math and Technology

SW: School of Social Work and Human Services

FINISH IN FOUR AT EASTERN

Eastern Washington University has developed its Finish in Four Web site (finishinfour.ewu.ewu) to highlight programs that can be completed in four years. The University has many undergraduate programs of study that can be completed in four years. In order to provide students with guidance in course selection a website has been developed showing some of the majors that can be completed in four years and a tentative course schedule that can be used as a guide for degree completion. There are several factors that may cause a student to extend his or her stay at the University. These include changing majors, repeating courses, and not enrolling for a full load of courses each quarter. Students are encouraged to regularly seek the advice of faculty in the department of the major and use the link above to view academic plans for some of our "finish-in-four" majors.

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 Dolores Martin
- Accounting and Information Systems
- Management
- Urban Planning, Public and Health Administration

EH - EDUCATION AND HUMAN DEVELOPMENT - Dean Valerie Appleton
- Counseling, Education, and Developmental Psychology
- Education
- Physical Education, Health and Recreation

SB - SOCIAL AND BEHAVIORAL SCIENCES - Dean Jeffers Chertok
- Communication Studies
- Economics
- Geography and Anthropology
- Government
- Military Science
- Psychology
- Sociology and Criminal Justice

ST - SCIENCE, MATH AND TECHNOLOGY - Dean Raymond Soltero
- **INTERCOLLEGIATE COLLEGE OF NURSING** - Dean Dorothy Detlor
- Biology
- Chemistry and Biochemistry
- Communication Disorders
- Computer Science
- Dental Hygiene
- Engineering Technology and Multimedia Design
- Geology
- Mathematics
- Nursing
- Occupational Therapy
- Physical Therapy
- Physics

SW - SCHOOL OF SOCIAL WORK - Dean Michael Frumkin

Colleges/School - Subject Codes

AL - ARTS AND LETTERS - Dean Philip Castille
ART, CHIN, CRWR, ELIC/ELIN, EMAF, ENGL, ESLG, FREN, GERM, GNML, HUMN, ITGS, JAPN, JRNM, MUSC, PHIL, RUSS, SPAN, THTR

EH - EDUCATION AND HUMAN DEVELOPMENT - Dean Valerie Appleton
ATTR, CEDP, CLIN, EDUC, EXSC, HLED, LBSC, PHED, RCLS

BN - BUSINESS AND PUBLIC ADMINISTRATION - Dean Dolores Martin
ACCT, AOMG, BADM, BUED, BUSN, DSCI, FINC, HSAD, HUMR, IBUS, MGMT, MISC, MKED, MKTG, OPSM, PADM, PLAN, PTED, VOED

SB - SOCIAL AND BEHAVIORAL SCIENCES - Dean Jeffers Chertok
ANTH, CMST, CRIM, CSBS, ECON, GEOG, GOVT, HIST, INST, ITDS, PSYC, ROTC, SOCI, SOST, WMST

ST - SCIENCE, MATH AND TECHNOLOGY - Dean Raymond Soltero
ASL, BIOL, CHEM, COMD, CPLA, CSCD, CSED, DNHY, ENGR, ENVS, FNDT, GEOL, MATH, NTSC, NURS, OCTH, PHTH, PHYS, SCED, TECH

SW - SCHOOL OF SOCIAL WORK - Dean Michael Frumkin
AAST, ADST, AGST, CHST, IDST, SOWK

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

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AL - ARTS AND LETTERS - Dean Philip Castille

Undergraduate:

Art History; Art Minor; Art/Elementary or Secondary Minor; Electronic Media and Filmic Arts; English as a Second Language Minor; English Minor: General Interest Option; English Minor: Technical Writing Option; English/Elementary; English/Secondary; English: Creative Writing Option; English: Literary Studies Option; English: Technical Communications Option; French; French/Elementary or Secondary; German; German/Elementary or Secondary; Humanities; Japanese Minor; Journalism; Journalism: Computer Science Option; Journalism: News Editorial Option; Journalism: Public Relations Option; Journalism: Technology Option; Music Minor; Music: Broad Area Option/Elementary or Secondary Minor; Music: Choral Music Option/Elementary or Secondary Minor; Music: Instrumental Music Option/Elementary or Secondary; 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/Elementary or Secondary; Studio Art; Theatre; Theatre/Elementary or Secondary Minor; Visual Arts/Elementary; Visual Arts/Secondary

Graduate:

College Instruction/English; Creative Writing; French; 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

Certificates

Post Master's in Teaching of Writing; Teaching of Writing

BN - BUSINESS AND PUBLIC ADMINISTRATION - Dean Dolores Martin

Undergraduate:

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

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

EH - EDUCATION AND HUMAN DEVELOPMENT - Dean Valerie Appleton

Undergraduate:

Applied Developmental Psychology; 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 Education; 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; Health: Health Promotion and Wellness Option; Library Media/Elementary or Secondary Minor; Outdoor Recreation; Physical Education: General Option; Reading/ Elementary or Secondary; Recreation Management; Special Education; 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 and Instruction with Certification; Educational Leadership; Elementary Teaching with Certification; Foundations of Education; Instructional Media and Technology; Literacy Specialist; Physical Education; School Psychology; Special Education

Endorsements/Certification

Early Childhood/Education Add-on; Elementary Education/Add-On; Health and Fitness/Add-On

Certificates

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

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

SB - SOCIAL AND BEHAVIORAL SCIENCES - Dean Jeffers Chertok

Undergraduate:

Anthropology; Communication Studies Minor; Communication Studies: General Communication Option; Communication Studies: Interpersonal Communication Option; Communication Studies: Organizational Communication Option; Communication Studies: Public Communication (Rhetoric) Option; Communication Studies: Public Relations Option; Criminal Justice; Economics; Economics: Mathematics Option; Geography; Government; Government: Pre-law Option; History; History/Secondary; Interdisciplinary Studies: Interdisciplinary Option; Interdisciplinary Studies: Liberal Arts Option; Interdisciplinary Studies: Prior Learning Option; International Affairs; Linguistics Minor; Military Science; Psychology; Psychology/Elementary Minor; Social Studies/Elementary; Social Studies/ Secondary; Sociology; 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

EWU-WSU Post-Master's School Psychology

ST - SCIENCE, MATH AND TECHNOLOGY - Dean Raymond Soltero/**INTERCOLLEGIATE COLLEGE OF NURSING** - Dean Dorothy Detlor

Undergraduate:

Biology; Biology/Secondary; Biology: Biochemistry/Biotechnology Option; Biology: Pre-med/Pre-dent/Pre-vet Option; Chemistry/ Biochemistry Minor; Chemistry/Biochemistry Secondary; 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; Computer Applications Minor; Computer Engineering Technology; Computer Informations Systems; Computer Science; Computer Science: Multimedia Programming and Development Option; Dental Hygiene; Earth Science/Secondary; Environmental Chemistry Minor; Environmental Science; Geology; Geology: Environmental Option; Graphic Communications; Mathematics; Mathematics/Elementary; Mathematics/Secondary; 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; Occupational Therapy; Physics; Physics/ Secondary; Technology Minor; Technology: Applied Technology Option; Technology: Construction Option; Technology: Design Option; Technology: Electronics Option; Technology: Manufacturing Option

Graduate:

Biology; College Instruction/Mathematics; Communication Disorders; Computer Science; Mathematics; Nursing: Community-Based/ Population-Focused Nursing; Nursing: Family Nurse Practitioner; Nursing: Psychiatric/Mental Health Nurse Practitioner; Occupational Therapy; Physical Therapy

Endorsements/Certification

General Science/Add-On; Speech-Language Pathologist

Certificates

SW - SCHOOL OF SOCIAL WORK - Dean Michael Frumkin

Undergraduate:

African American Studies Minor; Aging Studies (Interdisciplinary) Minor; Alcohol/Drug Counseling and Prevention Minor; Chicano Studies Minor; Indian Studies Minor; Social Work

Graduate:

Social Work, Social Work-Advanced Standing

TUITION, FEES AND REFUNDS

2004-05 Academic Year Tuition & Fee Information

Tuition and other registration fees are due on the 6th 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.

The Washington State Legislature gave the University authority to increase resident undergraduate tuition by 7% for the 2004-2005 Academic Year. However, at the time of publication, tuition rates were not formally approved. EWU will be posting the new tuition and fees rate on the website at http://www.ewu.edu/AdminGuide/StuFinServ/home.html as soon as they are made available. Please 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 2003-2004

UNDERGRADUATE	**Resident**	**Non-Resident**
10 – 18 credits	$1,194.00	$4,146.00
Additional Fee Per Credit For more than 18 Credits*	106.10	401.50
Part Time		
9 credits	1074.60	3,731.40
8 credits	955.20	3,316.80
7 credits	835.80	2,902.20
6 credits	716.40	2,487.60
5 credits	597.00	2,073.00
4 credits	477.60	1,658.40
3 credits	358.20	1,243.80
2 credits	238.80	829.20
*1 credit	238.80	829.20
per credit	119.40	414.60

*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	$1,924.00	$5,695.00
Additional Fee Per Credit For more than 18 Credits*	179.10	556.40
Part-Time		
9 credits	1,731.60	5,125.50
8 credits	1,539.20	4,556.00
7 credits	1,346.80	3,986.50
6 credits	1,154.40	3,417.00
5 credits	962.00	2,847.50
4 credits	769.60	2,278.00
3 credits	577.20	1,708.50
2 credits	384.80	1,139.00
*1 credit	384.80	1,139.00
per credit	192.40	569.50

Special Fees and Charges 2004-2005

Special fees and charges are not applicable to all students.

ACT (American College Test)	30.75
Application Fees:	
Undergraduate- New Student	35.00
Undergraduate- Returning Former Student	35.00
Graduate	35.00
Graduate Non-degree	25.76
Certification Fees:	
Initial 1978 Guidelines (4 years)	27.45
Initial 1978 Guidelines (3 yr renewal)	21.96
Additional Endorsement	21.96
Initial Principal or EAS	43.93
Continuing/Standard Certificate	82.37
Course Audit	current quarter per-credit fee
Degree (Application to graduate)	27.46
Late Degree Application - Graduate	10.30
Departmental Admission Fees	
Communication Disorders	27.45
Physical Therapy	75.00
Diploma Reorder	16.47
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)	10.98
Returned Check Charge	25.00
Schedule Change Fee (per course) Drop/Add	21.97
Student Health Clinic (mandatory)	*36.24
Health & Wellness Fee (mandatory)	*5.33
Student Technology Fee (mandatory)	35.00
Transcript	5.49
Instant Transcript FAX (1-day service)	10.98
Washington Student Lobby	2.00
English Placement Testing	10.00
Math Placement Testing	15.00
CPLA Placement Testing	8.00

*(*2004-2005 fees yet to be determined)*

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

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. We are pleased to offer a "pay-as-you-go" alternative to lump-sum payments and we have found it increasingly popular among students and parents.

Eastern Washington University has found Tuition Pay to be a very helpful service at a reasonable cost. If you have any questions, need additional information or would like assistance in completing an enrollment form, please call Tuition Pay today at 1-866-Tuition. A Tuition Pay specialist will be happy to help you or on the web at 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 any 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.

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

Refund Policy

In accordance with federal regulations, Eastern Washington University's refund policy for the 2004-2005 Academic Year is as follows pending final approval:

FOR COMPLETE WITHDRAWALS FROM THE QUARTER:

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

FOR DROPPED/WITHDRAWN COURSES:

	Drop/ withdrawal Course Date	Refund Percentage	Drop/ withdrawal Course Fee (per course)
For dropped courses on or before	1st - 6th day of the term	100%	$0.00
For dropped courses	7th - 22nd day of term	50%	$21.97
For dropped courses	23rd to end of term	0%	$21.97

If you have any 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
(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, please call or email our office. Eastern's outstanding academic programs, faculty, and facilities are part of a diverse university community that attracts students from places near and far to our 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. Please review the information and definitions of each category carefully before completing an application.

Eastern Washington University's Undergraduate Admissions Application can be accessed through EagleNET on the EWU web page 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 can also be requested by phoning the Office of Admissions at (509)359-2397. 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 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) score, either directly from the testing agency or recorded on an official high school transcript.

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 Scholastic Aptitude Test (SAT) or American College Test (ACT) composite scores. The highest single composite SAT or ACT 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 & II & 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 which meet these requirements as reported by each high school. Check with a high school counselor or an EWU Admission representative if there are additional questions.

As a general guide, applicants who have completed the core, have a high school GPA of 3.0 or better, and an average SAT or ACT score will be automatically admitted.

Exceptions to Automatic Admission for Freshmen

For further information on any of the exceptions and admission requirements call the Office of Admissions at (509) 359-2397.

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.

Please Note: U.S. 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 score is also required to be considered for admission. GED recipients will be reviewed through the Comprehensive Review Program.

Home Schooled 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 score is also required. Most home-schooled students will be reviewed through the Comprehensive Review Program.

Comprehensive Review Program:

Applicants who are not offered automatic admission may go through a Comprehensive Review process. 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 which have adversely affected their 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 apply for re-admission online through the EWU web page at www.ewu.edu, or to submit a Former Student Returning Application available from the Office of Admissions. Submit official transcripts from any 2 year colleges or 4 year institutions attended since the last enrollment at Eastern. A non-refundable 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 US or planning on entering the US 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 http://iss.ewu.edu/prospective/admission.html 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 record. Graduate students should contact the Graduate Studies Office directly at: http://grad.ewu.edu or (509) 359-6297, and see the information below on graduate admission.

Required Records: Official transcripts from all non-U.S. schools attended must be submitted to World Education Services (WES) for evaluation. Photocopies of transcripts from all non-U.S. schools must be submitted to the International Education Office. 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: Priority consideration for international students requires that complete applications be received at least five months prior to the start of the quarter of intended entry. Due to the time required for securing a student visa in each country, earlier application may be advised. For current information on tuition, fees, and estimated expenses, see http://iss.ewu.edu/prospective/admission.html.

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).
- Advanced Placement International English Language (APIEL) score of 3 or better.
- 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 (http://eli.ewu.edu/appinfo.html) with their application materials.

Exception: Non-U.S. citizens whose entire primary and secondary education took place in Australia, Canada, Great Britain, Ireland, New Zealand, or the U.S. are exempt from this requirement. Students who were born in any of the countries listed above but were educated elsewhere will, however, 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 or 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 grade point average 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 Applicants

Definition: Applicants with an undergraduate degree who are 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 are considered post baccalaureates.

Required Records: All applicants defined as post baccalaureates must submit official university or college transcripts documenting an undergraduate degree.

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, please 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 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 2-year college or 4-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 less 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 pre-college 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 guidelines listed above under Comprehensive Review Program.

Transfer Agreements: Eastern 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. 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 2 year colleges or 4 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: Students transferring to Eastern Washington University from public two-year or public four-year institutions can bring in no more than 90 lower division credits. Individual departments may allow additional credit if this credit will advance the student toward degree completion. No more than 135 credits may transfer for a 180-credit degree program.

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.

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 our 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.

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 http://grad.ewu.edu or call the Graduate Studies Office, 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 2.0 or higher.
	4, 5	5	Computer Science 225
	3		Computer Science 226 is awarded upon completion of Computer Science 325 with a grade of 2.0 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 & Comp	3		Placement in English 201
	4	5	English 170
	5	10	Humanities 210 and 211
Government & Politics:			
Comparative	3	5	Government 203
U.S.	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, Satisifies 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
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
IB Course Higher Level Exam Minimum Score 5

	EWU Equivalent/ Elective Credit	Number of Credits
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 & South East 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, and163	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	50	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 US I: Early Colonization to 1877	45	5	History 110
History of the US 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, English composition and a clearance exam in computer literacy. 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 English 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 an academic 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: http://computerliteracy.ewu.edu

Computer literacy competency is demonstrated by successful completion of the placement 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 post-secondary 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 U.S. 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

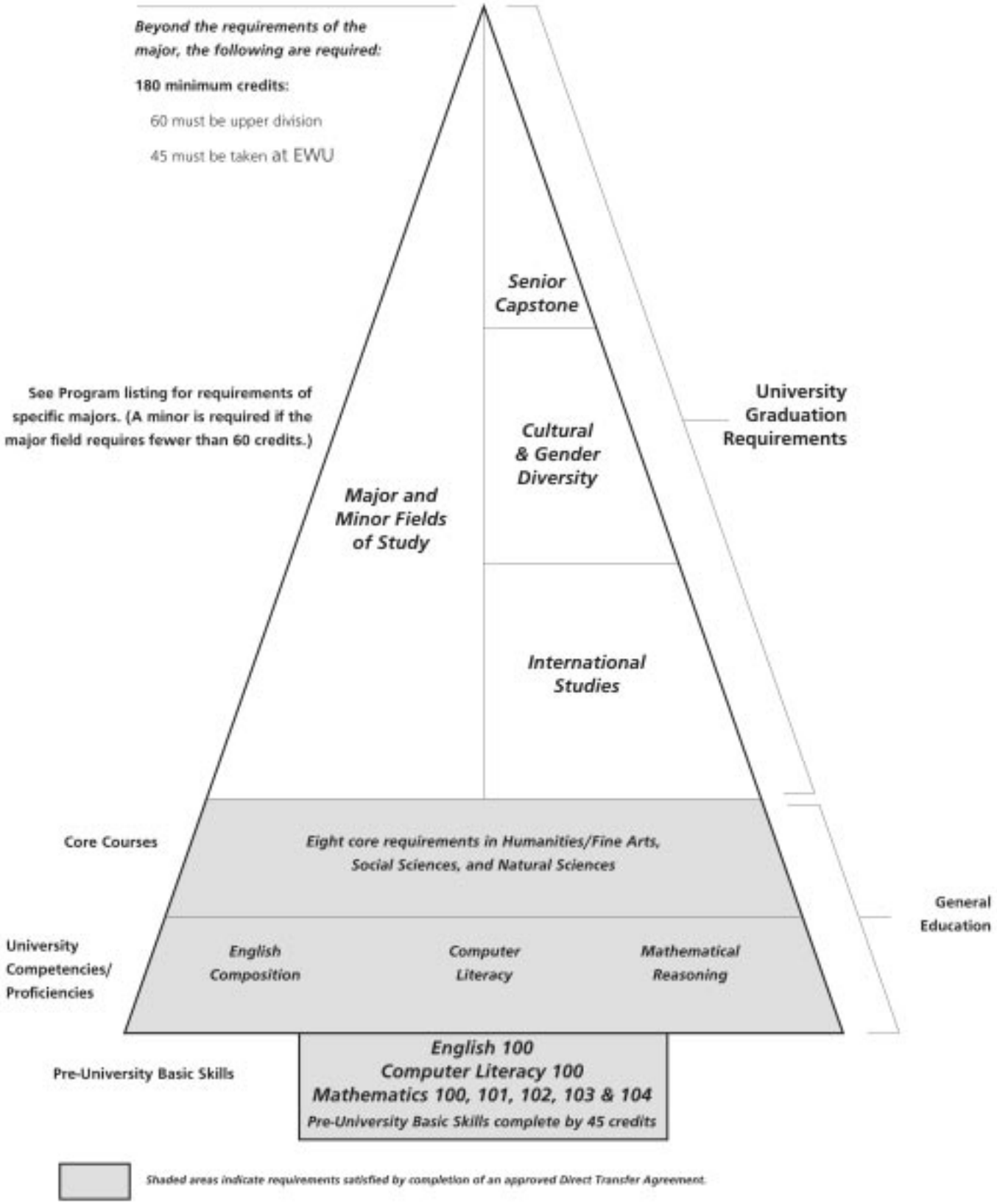
Mathematics competency and proficiency must be demonstrated by all students to earn a baccalaureate degree.

- 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 post-secondary 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 post-secondary institution with a grade of 2.0 or better. Students placed into MATH 105, Pre Calculus 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 mathematic requirements apply to various majors. Please consult with 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.

Note the 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 has the written approval of an advisor in General Undergraduate Academic Advising. Students will need adequate advising to remain in compliance with this policy. Unavailability of these courses, as certified by General Undergraduate Academic Advising, 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



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 Grade Point Averages

- 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.

We have 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 we ensure that all students encounter the core academic disciplines, especially as they apply to major questions of our times.

University Competencies and Proficiencies

Please 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 Mathematics II
- MATH 115, Mathematical Reasoning
- MATH 161, Calculus I
- MATH 200, Finite Mathematics
- MATH 211 <u>and</u> MATH 212, Structure of Elementary Mathematics I & 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), 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—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.

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***
  - 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 GECR; 1 Social Science GECR)
  - HONS 102 The Intellectual Tradition: Middle Ages through the Reformation (8) (counts as 1 Humanities GECR; 1 Social Science GECR)

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

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 these 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 one of the following:***
  - CHEM 121 Chemistry and its Role in Society (5)
  - CHEM 201 Classical and Modern Chemistry (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 GECR; HONS 103 alone counts as 1 Social Science GECR)

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 GECR Natural Science requirements:*

- ***Biology: Students may choose one of the following:***
  - BIOL 132/133 Introduction to Human Anatomy and Physiology (10) (counts as 1 GECR course)
  - BIOL 171, 270 Biology I, Biological Investigation (7) (counts as 1 GECR course)
  - BIOL 171, 172, 270 Biology I, Biology II, Biological Investigation (11) (counts as 2 GECR courses)
  - BIOL 232, 233, 234 Human Anatomy and Physiology (15) (counts as 2 GECR courses)
- ***Chemistry: Students may choose one of the following:***
  - CHEM 151 General Chemistry (5)
  - CHEM 151, 152 General Chemistry (10) (counts as 2 GECR courses)
  - CHEM 161 General Chemistry for the Health Sciences (5)
  - CHEM 161, 162 General Chemistry for the Health Sciences (10) (counts as 2 GECR courses)
- ***Physics: Students may choose one of the following:***
  - PHYS 131 Introductory Physics I, (4, 1) (PHYS 161 required, counts as 1 GECR 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 GECR courses)
  - PHYS 151, General Physics I, (4, 1) (PHYS 161 required, counts as 1 GECR 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 GECR 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 a baccalaureate degree. 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.

Courses approved for Cultural and Gender Diversity:

AAST 214 Introduction to African American Culture (5)
AAST 215 Early African American History I (5)
AAST 216 Early African American History II (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 355 Indians of North America (5)
ART 310 World Art (5)
ART 311 African and African American Art History (5)
CHST 101 161 Introduction to Chicano Culture (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)
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 II (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 Primitive and Folk Medicine (5)
ANTH 366 Revolution and Development in the Third World (5)
ANTH 450 Cultural Ecology (5)
CMST 440 International Communication (5)
ECON 470 International Economics (5)
ECON 475 Economic Development (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 381 Nationalism and Racism in Central European Film (4)
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 coursework 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 coursework taken at Eastern and any other colleges attended in computing a GPA for graduation honors. The following designations apply:

- Summa cum laude: Graduating seniors whose GPA is between 3.7695 and 4.00.
- Magna cum laude: Graduating seniors whose GPA is between 3.6295 and 3.7694.
- Cum laude: Graduating seniors whose GPA is 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 dean of their college.
- 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. Please 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 grade point average for that quarter.

Application for Graduation (Major/Minor Form)

Application for graduation is required for all students 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 re-apply for a subsequent quarter with the Graduation Evaluator. A re-application fee may be assessed.

The graduation application fee and the re-application fee change annually. For current fees, please see http://www.ewu.edu/AdminGuide/StuFinServ/home.html

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 in 201 Sutton Hall.
- Pay the graduation fee in Student Financial Services (one fee for each degree).

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 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. A minor is not required for graduation with a major program of more 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 adviser.

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 email 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 BA in Liberal Studies using the same coursework 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 is 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) 359-2367
e-mail: gradprograms@mail.ewu.edu
web site: http://grad.ewu.edu

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, about admissions and policies, call or e-mail the Graduate Studies Office, or visit our web site, http://grad.ewu.edu.

Application Process

On-line application for most programs can be made on EagleNet at http://eaglenet.ewu.edu. An application may also be downloaded at the graduate studies web site, http://grad.ewu.edu. 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 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

Application form: Submit a completed Application for Admission, and a $35 application fee. Paper applications must be in duplicate and are required for international applicants; only one electronic application is required. (Applicants to more than one program must submit two application fees; only one fee is assessed dual degree applicants.)

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.

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 offered regularly throughout the year. Call 1-800-GRE-CALL or refer to www.gre.org or www.gmat.org for more information.

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). The WES application and forms are available at www.WES.org. Graduates of accredited US universities are not required to submit a WES evaluation. One copy of official university transcripts, or post-secondary 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 need to have an official copy of that evaluation sent to Eastern, along with a copy of their university transcripts.

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 U.S. are not required to submit a TOEFL score as part of their applications.

Alternative to TOEFL admission requirements for students from countries where English is not the native language. Applicants 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 coursework 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.

Minimum 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.

Admission based on Professional Experience

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 grade point average 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. Please call the Graduate Studies Office if there are further questions.

Grading System, Policies, and Appeals

General information is provided in the policy section on 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
- Doctor of Physical Therapy 161 cr

Minimum Dual degree requirements:

- MPA/MBA 73 cr
- MPA/MSW 118 cr
  MPA/MSW Advanced Standing 83 cr
- MPA/MURP 90-92 cr

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 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	M.S.	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	M.B.A.	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	M.A. M.S.	None	Quarterly admittance; Contact department for further info.	Elaine Ackerman 315D Williamson 357-2831 Elaine.Ackerman@mail.ewu.edu
Communication Studies	M.S.	GRE (general)	3.0 GPA; Essay; quarterly admittance; 800-1000 word essay	Igor Klyukanov 215 EWU Spokane Center 359-4395 iklyukanov@mail.ewu.edu
Communication Disorders	M.S.	GRE (general)	Recommendations; Statement of professional interest and intent February 1 deadline. $27.45 program application fee	Roberta Jackson 110 Comm. Bldg. 359-6622 rjackson@mail.ewu.edu
Computer Science	M.S.	None	Statement of purpose; Self-evaluation; two (2) recommendations (one from a Computer Science instructor); Quarterly admittance	Timothy Rolfe 101A Computer Science Building 359-2215 trolfe@mail.ewu.edu
	M.Ed.	None	Statement of purpose; Self-evaluation; two (2) recommendations; Quarterly admittance	Linda Kieffer 219B Computer Science Building 359-7093 lkieffer@mail.ewu.edu
Counseling, Educational, and Developmental Psychology	M.S. Mental Health Counseling School Counseling	GRE	Supplemental application due February 1	Sarah Leverett-Main 316 Spokane Center 623-4225 sleverett@mail.ewu.edu
	M.Ed. Special Education	GRE	Supplemental application due May 1, interview of applicants	Ronald Martella 135 Martin Hall 359-6196 Ronald.Martella@mail.ewu.edu
	M.S. School Psychology	GRE; West-B, if applicable	Supplemental application due March 1	Gretchen Jefferson 135 Martin Hall 359-4665 Gretchen.Jefferson@mail.ewu.edu
Creative Writing	M.F.A.	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	Greg Spatz Spokane Center 623-4245

Program	Degree Name	Exams Required	Deadlines and Special Requirements Graduate Assistantship Application Due by March 1 for Fall Enrollment	Contact Person
Education	M.Ed.	West-B only for programs with certification.	Three (3) recommendations (one from a supervisor); Send Copy of State Teaching Certificate for: Curriculum and Instruction; Educational Leadership; Elementary Teaching; Literacy Specialist; Quarterly admittance; Contact department for further info.	Nancy Todd 312 Williamson 359-6094 Nancy.Todd@mail.ewu.edu
English	M.A.	GRE	All applicants declare professional emphasis; 800-1,000 word department essay; Quarterly admittance	Dana Elder 250E Patterson 359-2400 delder@mail.ewu.edu
Literature		GRE	Quarterly admittance	Judy Logan 254Q Patterson 359-6035 judy.logan@mail.ewu.edu
Rhetoric/ Composition and Technical Communication		GRE	10-15 page writing sample; personal or telephone interview arranged by applicant; Quarterly admittance	Lynn Briggs PUB 354 359-4359 Lynn.Briggs@mail.ewu.edu or Anthony Flinn 254N Patterson 359-4659 anthony.flinn@mail.ewu.edu
Teaching English as a Second Language		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 359-7060 Lavona.Reeves@mail.ewu.edu
History	M.A.	GRE	Quarterly admittance; substantial academic writing sample; one-page career & purpose statement; 2 letters of recommendation	Michael Conlin 200E Patterson 359-7851 mconlin@mail.ewu.edu
Interdisciplinary	M.A./M.S.	None (unless required by program advisors)	Quarterly admittance; Interdisciplinary program proposal form	Graduate Studies Office 206 Showalter 359-6297 gradprograms@mail.ewu.edu
Math	M.S.	GRE	Quarterly admittance; Contact department for further info.	Yves Nievergelt 127 Kingston Hall 359-4259 ynievergelt@mail.ewu.edu
Modern Languages French Only	M.Ed.	None	Summer language classes only; Quarterly admittance; Contact department for further info.	Margaret Heady 350 Patterson 359-2861 Margaret.Heady@mail.ewu.edu
Music	M.A.	GRE (general)	Quarterly admittance; Contact department for further info.	Lynn Brinckmeyer 229 Music Bldg. 359-2330 Lynn.Brinkmeyer@mail.ewu.edu

Program	Degree Name	Exams Required	Deadlines and Special Requirements Graduate Assistantship Application Due by March 1 for Fall Enrollment	Contact Person
Nursing	M.N.	None	Recent completion of course in basic descriptive and inferential statistics; recommendations; March 15 Fall; November 15 Spring	Anne Hirsch ICN 324-7334 hi58ch@2wsu.edu
Physical Education	M.S.	None	Quarterly admittance; 1-2 page goals & philosophy statement; 3 letters of recommendation	Alan Coehlo 235 PEHR Classroom Building 359-2342 acoehlo@mail.ewu.edu
Physical Therapy	D.P.T.	GRE	January 9 Application Deadline; $75 program application fee and supplemental application; Fall admission only	Meryl Gersh 270 Health Services Bldg. 368-6601 Meryl.Gersh@mail.ewu.edu
Psychology	M.S.	GRE (within five years)	Department application; statement of intent; three (3) recommendations; March 1 deadline for Fall	Gail Hicks - Clinical 152C Martin Hall 359-2495 ghicks@mail.ewu.edu Len Stern General/Experimental 151 Martin 359-6160 lstern@mail.ewu.edu
Public Administration	M.P.A.	TOEFL (if applicable)	Quarterly admittance, additional form; current resume; short essay depicting career plan; three (3) recommendations; contact program for further info	Larry Luton 668 N. Riverpoint #324 Spokane, WA 358-2230 Larry.Luton@mail.ewu.edu
Social Work	M.S.W.	GRE (optional)	500-1,000 personal statement; three (3) letters of reference; Contact department for further info 359-6485.	Sue Thompson 203 Senior Hall 359-6485 Susan.Thompson@mail.ewu.edu
Urban and Regional Planning	M.U.R.P.	None	Two (2) recommendations; personal letter of intent; June 1 deadline for Fall; Contact department for further info.	Gabor Zovanyi 668 N. Riverpoint #237 358-2228 gzovanyi@mail.ewu.ewu

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 http://grad.ewu.edu/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.
- 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.
- Program requirements cannot be satisfied with any 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.
- Record of two or more no-credit grades in a program will be reviewed by the student's advisor. This could be cause for termination.
- 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.)
- 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.
- 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.
- 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.
- 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.

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.

Application to Graduate

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 degree on official university transcripts and diploma.

Course Loads

Twelve credits per academic quarter is considered a standard study 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.

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 admit 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 (2) credits. In the quarter of defense, the student must be enrolled for a minimum of two (2) credits. (Summer session only permits one credit registration.)

Enrollment Policies for Graduate Students

Graduate students can register only after being recommended for admission. Any student that 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.

Course Enrollment 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 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.

Graduate Degree Candidacy

Advancement to Graduate Degree Candidacy means 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:

- 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 in a graduate degree program 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 composed 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 their degree program, current coursework 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 examination must meet any outstanding degree requirements within one quarter of the exam 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 Grade Point Average

The graduation Grade Point Average 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 a 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

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 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 expected 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 Grade Point Average (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.

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 Washington State 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 web site at http://grad.ewu.edu/current_students.

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.

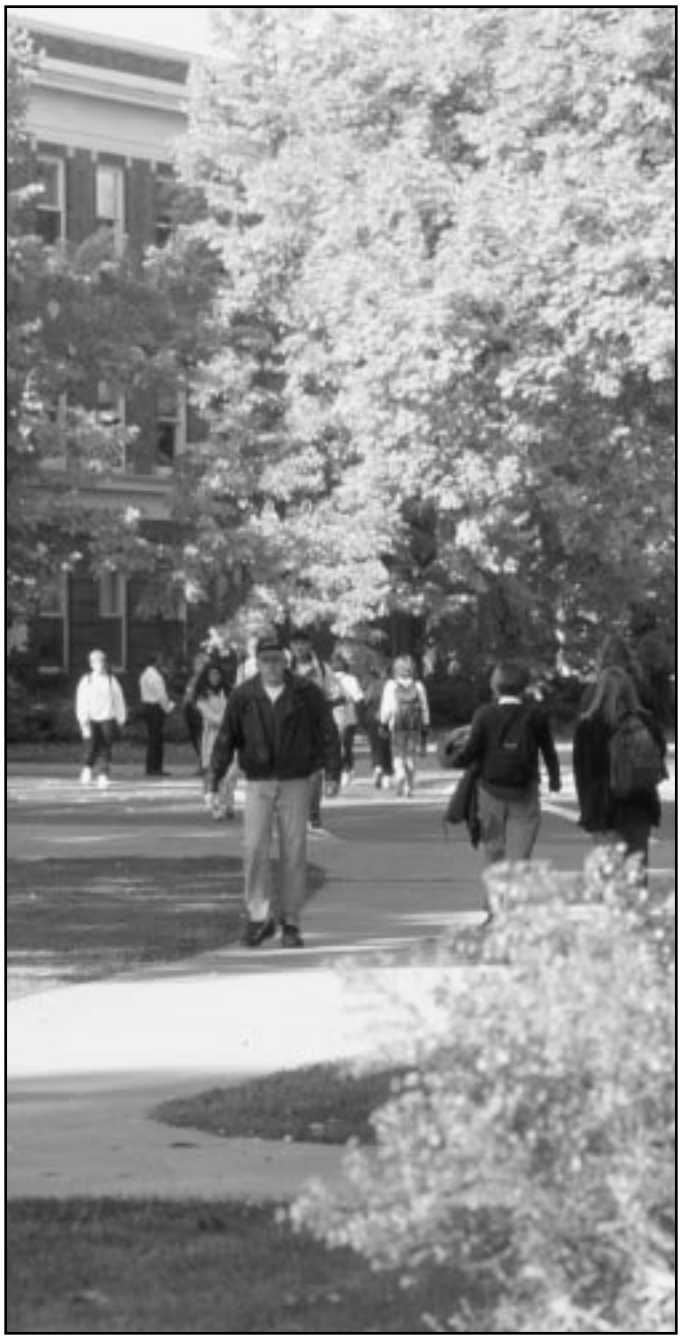
***Note**: The University has policies and procedures in place to ensure that individuals conducting research, including graduate students, comply with applicable federal and state regulations governing the use of human subjects, the care and use of animals, significant financial interest disclosure, 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

Applied Psychology	12 credit maximum for any course for which a "**Y**" grade is assigned.	
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	696 600 601	15 credits 9 credits 6 credits
Communication Disorders	600, 601	10 credits
Communication Studies	600, 601	6 credits
Computer Science	600, 601	15 credits
Creative Writing	600	12 credits
Education	563, 587, 588, 589 600, 601 695	4 credits 6 credits 25 credits
English	14 credit maximum for 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	600 601	8 credits 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.	
Technology	5 credit maximum in any course for which a "**Y**" grade is assigned.	
Urban & Regional Planning	601, 695	10 credits



APPROVED DEPARTMENTAL COMPREHENSIVE EXAMS THIRD MEMBER POLICY

Applied Psychology
Written comprehensive examination for Mental Health Counseling and School Counseling reviewed by Dean of Graduate Studies, portfolio presentation to advisory board and a graduate faculty member selected by the Graduate Studies Office, conducted early in spring quarter of final year. Oral comprehensive examination for all other programs, including MEd in Special Education. Third member may be selected by the student or by the Graduate Studies Office. Students who select the third member must provide the Graduate Studies Office with the third member's name at the beginning of the quarter prior to the quarter in which the exam is conducted (preferably at the time of candidacy).

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 the final oral exam. 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).

Education
Third member for the oral comprehensive exam may be selected by the student. Students who are unable to select the third member 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.

Physical Education
Third member for the oral comprehensive exam is selected by the student. Students who are unable to select the third member 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.

Physical Therapy
Written comprehensive examination with review by 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
Third member for the oral comprehensive exam 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 student or by the Graduate Studies Office. Students who select the third member must provide the Graduate Studies Office with the third member's name at the beginning of the quarter prior to the quarter in which the exam is 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 the comprehensive exam orals. Students who select the third member must provide the Graduate Studies Office with the third member's name at the beginning of the quarter prior to the quarter in which the exam is conducted (preferably at the time of candidacy).

GRADUATE STUDENT GUIDE TO PROCEDURES AND RESPONSIBILITIES*

Procedure	Contact/Action	Deadline	Explanation	Penalty or Consequence
Apply for advancement to candidacy* Contact program advisor for information on revision of candidacy after advancement	Student, advisor, and committee member approve, then submit candidacy form to Graduate Studies Office; determine if Human Subject research (IRB) approval must be filed	After completion of 15 graduate credits and before completing one-half the minimum credits in degree program	Supports timely progress to degree completion; protects students from degree requirement changes; begins IRB review, if needed	Late submission requires a written appeal to Dean of Graduate Studies—possible loss of credits in program, delay in graduation, and lack of IRB can invalidate research
Select department or program comprehensive examination committee	Completed on the candidacy application, members are from approved graduate faculty	Same as above	Method for program and student input on committee membership	Inaccurate or incomplete candidacy application delays advancement
Submit Graduation Application & fee* Thesis students also have $50 binding fee	Return completed application to Graduate Studies Office (206 Showalter)	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 fee
Register in final quarter of program for at least 2 credits (one credit minimum Summer only)	Advisor or Graduate program director	Quarter of comprehensive exam	Meets state requirement of registration for students using university resources	Comprehensive exams cannot be held for students who fail to register for at least two credits
Select outside member for comprehensive examination* Contact advisor for information on any committee changes after it is established	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 candidacy)	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* Required of all students (except DPT)	Committee chair and internal committee member sign form and submit to Graduate Studies Office or email to: gradprograms @mail.ewu.edu	Must be received in Graduate Studies Office before comprehensive examination can be scheduled—at least two weeks prior to 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 Office must receive final copies with chair and internal committee member signatures on thesis signature page	Ten working days after comprehensive exam or by the last day of the quarter—whichever comes first	To meet form and style standards, for binding, and then 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, hood 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 graduation bulletin requires timely application	Participation encouraged; one ceremony and one bulletin published annually

Refer to this catalog for more detailed information.

ACCOUNTING

See BUSINESS ADMINISTRATION.

AFRICAN AMERICAN EDUCATION PROGRAM

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

LaMar Jackson, Advisor/Recruiter

Minor
Faculty: S. Finnie

UNDERGRADUATE PROGRAM

The primary mission of the African American Education Program is to develop and teach classes in African American 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.

African American 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.

Support Services for African American Education Program: The African American 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 African American Education Program assists students, faculty, and staff in understanding African American culture and issues. The program sponsors speakers, 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.

African American Studies Minor (20 credits)

The program offers a minor in African American Studies. Students will gain an understanding of the African American experience from ancient Africa to present day in America. African American 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 the African American Education Program.

Total required credits	***20 credits***
Total credits for above Minor	***20 credits***

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)
FALL/SPRING
[satisfies cultural and gender diversity university graduation requirement.]
Prerequisite: ENGL 100.
Examines the African American experience from African civilizations in the 4th Century A.D. 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)
WINTER
[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)
Prerequisite: None.
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 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 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 (4)
SPRING
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
Prerequisite: None.
Internships vary according to program and student interest.

AAST 399
Special Studies (1-5)
WINTER
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 497
African American 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

Total required credits	***14 - 16 credits***
Total elective credits	***6-9 credits***
(minimum if practicum required)	***11 - 14 credits***
Minimum total credits for above Minor	***20 - 30 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.

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 prior 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 prior 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 prior 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 prior 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
120 Showalter Hall
(509) 359-7882

Minor
Faculty: 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 multi-disciplinary 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 three 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 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.

General Admissions Requirements for Alcohol/Drug Studies: Students wishing to study in Addiction Studies are encouraged to complete their lower division requirements including a general psychology course and a human development course. Transfer students will need to see the director of the Alcohol/Drugs 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 begin-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 (3)
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)

Total required credits	***26 credits***
Total practicum credits	***6 credits***
Total credits for above Minor	***32 credits***

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
Historical, international and current definitions of alcohol and drug use, abuse and addition. 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
Prerequisite: ADST 300.
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. Concepts and terminology essential for working on a professional treatment team and for communicating with patients and families. Special focus on effective intervention strategies for each class of drug.

ADST 302
Alcohol/Drug Counseling Techniques (3)
FALL/WINTER
Prerequisites: ADST 300 and 301 or permission of the instructor.
Study of 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. Includes diagnostic drug use assessment, effective behavioral change strategies, and fundamental counseling techniques from a variety of theoretical perspectives including traditional and cognitive models.

ADST 303
Counseling in the Age of Aids and Selected Pathogens (2)
FALL/SPRING
Prerequisite: ENGL 201.
Study of the impact of air and blood borne pathogens and the role of the human service clinician. 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. For students of any discipline, approved by the DSHS/DASA for chemical dependency counselor qualification.

ADST 304
Psychology of Addiction (3)
WINTER/SPRING
Prerequisites: PSYC 100 or permission of the instructor.
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 to be included 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 our nation in regards to addictions is also a topic of discussion. The various approaches to treatment, alternatives, and social issues are investigated.

ADST 308
Cultural Diversity and Chemical Dependency (2)
FALL/WINTER
Prerequisite: ADST 302 or permission of the instructor.
This course examines issues regarding the treatment of clients from different cultural/ethnic backgrounds. It also discusses issues specific treating women, elderly, gay, lesbian, bisexual, transgendered, questioning (GLBTQ), 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.
Placement 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
Subjects vary relative to faculty and student interests.

ADST 410
Community Prevention (3)
FALL/WINTER

Prerequisites: ADST 300 and 301 or permission of the instructor.
This course covers the history, definitions and theories of prevention as part of the continuum of response to alcohol/drug problems in our society. This material can be generalized beyond the principal focus of alcohol/drug. Based on a systems approach the course will review and study various prevention models, current research, and the up-to-date Washington State prevention strategy. A representative number of prevention programs in use across the state will be studied, highlighting those with considerations of cultural/ethnic diversity.

ADST 415
Substance Abuse and the Elderly (3)
WINTER

Prerequisite: ADST 300 and 430, or permission of the instructor.
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 60 and older is one of the fastest health problems facing the country. The various treatment approached, 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.
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, discharged and aftercare planning.

ADST 430
Alcohol/Drug Family Counseling (3)
FALL/WINTER

Prerequisite: ADST 302.
Models of family counseling including overview of structural, functional, and systems approaches as applied to addicted/compulsive family systems. Treatment issues relative to stages of adaptation by families, including co-dependency, family roles for children and adults. Also, the study of intervention and the relationship between treatment and 12-step programs.

ADST 440
Alcohol/Drug Group Counseling (3)
WINTER/SPRING

Prerequisite: ADST 302.
Theoretical foundations of group dynamics and therapy as applied to alcohol/drug treatment clientele. Explore the design, leadership and applications of therapy groups via a combination of lecture, readings, and experimental lab activities. Emphasis on learning to observe, understand, and guide the group dynamics as they occur.

ADST 460
Chemical Dependency Ethics and the Law (4)
FALL/WINTER

Prerequisites: ADST 300 and 302 or permission of the instructor.
Fundamental and technical study of the law, policy, malpractice, and liability regarding chemical dependency prevention and treatment practice. Strong focus 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

Prerequisite: ADST 302 or permission of the instructor.
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 innovative approaches in adolescent chemical dependency treatments.

ADST 464
Alcohol/Drug Relapse Prevention (2)
SPRING

Prerequisite: ADST 302 or permission of the instructor.
Prevention Relapse is not a single event, but is 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 court issues, treatment alternatives and social issues are discussed.

ADST 470
Alcohol/Drug and Mental Illness (3)
FALL/SPRING

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 472
Chemical Dependency Treatment and the Criminal Justice System (3)
WINTER

Prerequisite: ADST 300 or permission of the instructor.
This course has been designed to provide information necessary to effectively treat clients involved in criminal justice systems. This course will outline and compare/contrast state and local justice systems, and types of services provided by each system. Information demonstrated by current research will be provided for discussions regarding effective treatment approaches for offenders. Practical exposure to professionals in these fields will be allowed through guest speakers and filed to local justice agencies.

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

AMERICAN INDIAN STUDIES

School of Social Work
Deirdre A. Almeida, Program Director
Roger Jack, Program Counselor
210 Tawanka
(509) 359-2441

Minor
Faculty: D. Almeida, R. Jack

UNDERGRADUATE PROGRAM

The American Indian Studies Program (IDST) consists of (1) Academic Affairs, (2) Student Services, and (3) Tribal Intergovernmental 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 affairs function is fulfilled by a program counselor who provides services in student recruitment, admissions, financial aid, academic advising, employment, housing, tutoring, counseling, and career development. The program counselor also serves as advisor to the Native American Student Association. The tribal intergovernmental liaison function is fulfilled by a formal working relationship with the Affiliated Tribes of Northwest Indians (ATNI). The master policy basis of this relationship with over fifty (50) northwest tribes is the Washington State Governor's Accord. ATNI also serves an advisory function for IDST/EWU in addition to providing committee learning laboratories when appropriate.

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

Indian Studies Minor (16 - 17 credits)

Required Courses
IDST 101 Introduction to Indian Studies (4)
IDST 321 Contemporary Indian Issues (4)
Select two courses from the following: 8-9 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 (4)

Total required credits	***16 - 17 credits***
Minimum total credits for above Minor	***16 - 17 credits***

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 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, soci-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

See GEOGRAPHY AND ANTHROPOLOGY

APPLIED PSYCHOLOGY

See COUNSELING, EDUCATIONAL AND DEVELOPMENTAL PSYCHOLOGY

ART

College of Arts and Letters
Tom Askman, Chair
138 Art Building
(509) 359-2494/7865

B.A., B.A.E., B.F.A.
Minor
Faculty: T. Askman, L. DeVuono, M. Furness, E. Hamad, N. Hathaway, R. Lloyd, B. Miller, 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 community 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.

Enrollment in ART 499, Directed Study in Art, is permitted after the completion of two quarters of work in the specified area.

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

Bachelor of Arts (B.A.) in Art

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 imaging/Computer Graphics (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.

Total required credits	***59 credits***
Total 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 Imaging/Computer Graphics (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 Advanced Digital Imaging/Computer Graphics (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.

Total required credits	***45 credits***
Total studio discipline credits	***20 credits***
Total elective credits	***10 credits***
Total credits for above Major	***75 credits***

Bachelor of Arts in Education (B.A.E.) for Visual Arts

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 Imaging/Computer Graphics (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

Select additional Art courses in consultation with a department advisor.

Computer/Photography

ART 304 Art of Photography (5)
ART 403 Advanced Digital Imaging/Computer Graphics (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)

Total required credits ***40 credits***
Total elective credits ***5 credits***

Professional Education Requirements/ Elementary Education: 111-115 credits

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

Minimum total credits for above Major & Professional Education ***156 - 160 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 Imaging/Computer Graphics (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)
ART 420 History of the Renaissance Art (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 306 Advertising Design (5)
*****ART 403 Advanced Digital Imaging/Computer Graphics (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)

Total required credits ***55 credits***
Total elective credits ***15 credits***
Total credits for above Major ***70 credits***

Professional Education Requirements/ Secondary Education: 50-52 credits

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

Minimum total credits for above Major & Professional Education ***120 - 122 credits***

Note*: All B.A.E./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 (B.F.A.) in Art

The primary focus of the B.F.A. is to give students who are very 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 an M.F.A. degree.

*Students submit a portfolio to the Dept. Secretary by the eighth week of the quarter prior to beginning the B.F.A. 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 ** (Students need not be in the B.F.A. to take any art class, with the exception of the senior year three quarter class 470). This course requires previous acceptance into the B.F.A. 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, (M.F.A.)*

Students have individual mid-term review 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.

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 Imaging/Computer Graphics (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 Advanced Digital Imaging/Computer Graphics (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 disciplines: 15 credits

Electives

Select additional art courses in consultation with departmental advisor.

Total required credits	***53 credits***
Total studio discipline credits	***25 credits***
Total second studio discipline credits	***15 credits***
Total 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 Imaging/Computer Graphics (5)
ART 304 Photography (5)
or ART 404 Photography (5)
ART 306 Advertising Design (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 required credits	***20 credits***
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 required credits	***33 credits***
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.

The Art Department's Participation in Interdisciplinary Master Programs

First and foremost—all Interdisciplinary M.A. applicants must understand that the only terminal degree in Studio Art is the M.F.A.. An M.F.A. is required to teach studio art at levels beyond high school. A Ph.D. is needed to teach art history. (see below)

Interdisciplinary M.A. in (1) Art & Technology & (2) Art & Computer Science

Interdisciplinary M.A. applicants in either (1) Art & Technology or (2) Art & Computer Science, must have a strong background in art shown by either a B.A. in Art or a B.A. in graphic design with a strong art focus.

Interdisciplinary M.A. applicants in either (1) Art & Technology or (2) Art & Computer Science, will be accepted at the discretion of the Chair. The Chair will identify two additional faculty within the Art Department to meet with the M.A. candidate one time per quarter for three quarters to review their work.

Interdisciplinary M.A. in Art & Education

(See above regarding M.F.A. as terminal degree at college and university levels.) Interdisciplinary M.A. applicants in Art & Education, including those interested in furthering their careers in Art Education at the primary and secondary levels, will have to apply with a portfolio of work in a manner akin to the B.F.A. applicants.

If they are accepted, the Interdisciplinary M.A. candidates in Art & Education will participate in at least two quarters of twice quarterly reviews just as the B.F.A. students do, (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 M.A. 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 M.A. Art & History

Interdisciplinary M.A. students in Art & History have a strong record of following the traditional trajectory of the M.A. preceding the Ph.D.

Interdisciplinary M.A. in Publishing, Creative Writing & Art

Art courses can constitute a minor discipline for the 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 M.A. candidates accepted into our program.

Courses

***Terms Offered**: If no terms are indicated, check with department or quarterly Course Announcement.*

ART 107
Basic Design (5)
FALL/WINTER/SPRING/SUMMER
Charge for supplies.
The exploration of design concepts for 2-dimensional work, including composition, 2-D form, scale value, and color.

ART 155
Beginning Painting (5)
FALL/WINTER/SPRING
Charge for supplies.
An introduction to oils and acrylic painting techniques, approaches to visual composition, and concepts about diverse references for painting (from external world realism to intuitive reality). Designed for students with no previous art training.

ART 207
Color Design (5)
VARIES
A look at color problems in design.

ART 213
Art in the Humanities (5)
FALL/WINTER/SPRING/SUMMER
[satisfies the GECR 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)
FALL/WINTER/SPRING/SUMMER
Charge for supplies.
An introduction to fundamentals of drawing. Students use a variety of media.

ART 303
Digital Imaging/Computer Graphics (5)
FALL/WINTER/SPRING/SUMMER
Charge for supplies.
Prerequisite: ART 107 or permission of the instructor.
This course will use digital equipment to introduce students to digital (painting, drawing, graphic design) for manipulation and scanning. This course is about "How to Use!" software and hardware in a Art context.

ART 304
Art of Photography (5)
FALL/WINTER/SPRING
Charge for supplies.
Exploration of the photographic medium with emphasis on art approach.

ART 306
Advertising Design (5)
Problems in basic layout and design as used in advertising design.

ART 307
Design (5)
VARIES
Charge for supplies.
Prerequisite: ART 107.
Problems in experimental three-dimensional design and structure and extensive woodshop experiences.

ART 310
World Art (5)
VARIES
[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)
FALL/WINTER/SPRING/SUMMER
Charge for supplies.
Beginning exploration of pottery and sculpture. Students will learn beginning hand-building and wheel techniques.

ART 355
Painting (5)
FALL/WINTER/SPRING/SUMMER
Charge for supplies.
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 content is different for each.
The exploration of various techniques and approaches to making paintings (realism to non-representational).

ART 356
Watercolor (5)
VARIES
Basic watercolor techniques using still life and landscape models..

ART 360
Printmaking (5)
Charge for supplies.
Techniques including experimental methods.

ART 361
Papermaking (5)
SPRING
Traditional and contemporary approaches to handmade papermaking.

ART 365
Sculpture (5)
FALL/WINTER/SPRING
Charge for supplies.
Experimentation in sculpture through modeling, casting, carving and fabrication.

ART 390
Art in the Elementary School (3)
FALL/WINTER/SPRING/SUMMER
Charge for supplies. 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)
FALL/WINTER/SPRING
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)
VARIES
Prerequisite: Prior 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)
FALL/WINTER/SPRING/SUMMER
An intensive study of the methodology of research in the field of Art History, with emphasis on research techniques and writing.

ART 399
Special Studies (1-5)
FALL/WINTER/SPRING/SUMMER
Prerequisites: Prior permission of the instructor and the department chair.
Subjects vary according to faculty and student interest.

ART 400
Drawing (5)
FALL/WINTER/SPRING/SUMMER
Charge for supplies.
Prerequisite: ART 300.
Advanced drawing and figure construction techniques. Students may specialize in one medium.

ART 401
Life Drawing (5)
SPRING
Charge for model fee. Prerequisite: ART 300.
Specialized study of the human form. Emphasis on analysis of human structure.

ART 403
Advanced Digital Imaging/Computer Graphics (5)
FALL/WINTER/SPRING
Prerequisite: ART 303 or permission of the instructor.
This course is for those interested in art and photography, who wish to explore the ideas on the computer as an artistic tool or medium. Students will learn, create and edit digital images. Students will use photo editing paint software.

ART 404
Art of Photography (5)
SPRING
Charge for supplies. Prerequisite: ART 304 or prior permission of the instructor.
Advanced photo techniques and ideas. Subjects vary according to faculty and student interests.

ART 407
Alternative Media (5)
FALL/WINTER/SPRING
Charge for supplies.
Prerequisite: Junior standing.
Exploration of non-traditional art making media (performance, installation, video, light/space, sound, process).

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

ART 420
History of Renaissance Art (5)
FALL
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)
WINTER
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)
FALL
Painting, sculpture, and architecture in 19th century America and Europe, covering such movements as Neoclassicism, Romanticism, Realism, and Impressionism.

ART 425
Advanced Ceramics (5)
FALL/WINTER/SPRING/SUMMER
Charge for supplies. Prerequisite: ART 325.
Emphasis directed to the problems—aesthetic and technical—of high-fired stoneware pottery and/or clay sculpture.

ART 430
History of Modern Art (5)
EVERY OTHER YEAR
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)
SPRING
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)
FALL/WINTER/SPRING
May be repeated. Prerequisites: Prior permission of the instructor.
Exploratory problems in a variety of materials and media.

ART 455
Painting (5)
FALL/WINTER/SPRING
Prerequisite: ART 355.
Exploring a variety of concepts/attitudes and materials relating to art making.

ART 456
Watercolor (5)
FALL
Charge for supplies. Prerequisite: ART 356.
Advanced watercolor techniques.

ART 460
Printmaking (5)
FALL/WINTER
Charge for supplies. Prerequisite: ART 360.
Continued exploration of print media. Emphasis upon craftsmanship and creative possibilities of media.

ART 465
Sculpture (5)
FALL/WINTER/SPRING
Charge for supplies. 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)
FALL/WINTER/SPRING
Must be repeated three times for credit. Prerequisites: Senior standing; prior permission of the instructor and the department chair.
The individual preparation and presentation of work for senior exhibition.

ART 472
Issues in Art (3)
SPRING
The nature of aesthetics as related to the visual and conceptual arts. Examination and analysis of the works of major thinkers in the philosophy of art.

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.]
The course incorporates practical considerations for the graduating senior in both B.F.A. and B.A. 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)
SPRING
[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
Exhibit Touring Services Internship (1-3)
FALL/WINTER/SPRING
This internship program provides practical experience in the curatorial aspects of an art career. The student will learn how to photograph, assess, crate and ship art work as well as how to market and publicize art exhibits.

ART 496
Experimental Courses in Art (1-5)
VARIES
Subjects vary according to faculty and student interest.

ART 498
Seminar (2)
VARIES
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)
FALL/WINTER/SPRING/SUMMER
Prerequisites: Junior standing; prior 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 prior permission of the instructor.
Advanced techniques in drawing; students may specialize in one medium.

ART 501
Graduate Life Drawing (5)
Prerequisite: ART 401 or prior permission of the instructor.
Advanced study of drawing techniques and the human form.

ART 525
Graduate Ceramics (5)
Prerequisite: ART 425 or prior 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)
Prerequisite: ART 455 or prior permission of the instructor.
Advanced studies in painting media.

ART 556
Graduate Watercolor (5)
Prerequisite: ART 456 or prior permission of the instructor.
Critical explorations of technique in aqueous media.

ART 565
Graduate Sculpture (5)
Prerequisite: ART 465 or prior 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: Prior permission of the instructor and the department chair.
Independent study projects in a selected special field of art.

ART 600
Thesis (1-5)
Prerequisites: Prior permission of the instructor and the department chair.

ART 601
Creative Research Project (1-5)
Prerequisites: Prior 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, Math and Technology
Flash Gibson, Chair
260 Hall of Sciences
(509) 359-2348

B.A.E.
B.S. Biology Options: Biochemistry/Biotechnology, Pre-med/Pre-dent/Pre-vet
Minors
General Science Endorsement
M.S.
Faculty: P. Bhuta, R. Black, D. Boggs, K. Carlberg, F. Gibson, C. Herr, S. Kasuga, B. Lang, D. Lightfoot, H. Lightfoot, H. McKean, 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 B.S. 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 4 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, genetics 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 (5 each); BIOL 335 Elementary Medical Microbiology (5); BIOL 390 Teaching Methods and Laboratory Management (3).

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 (B.A.E.) for Biology

Biology/Secondary Major (79 credits)

This major 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 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)
SCED 390 Secondary Science Teaching Methods (6)

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)

Select one of the following courses: 5 credits

MATH 106 Precalculus Mathematics II (5)
MATH 380 Probability and Statistics (5)

Total required credits	***59 credits***
Total required supporting courses	***20 credits***
Total credits for above Major	***79 credits***

Professional Education Requirements/ Secondary Education: 50-52 credits

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

Minimum total credits for above Major & Professional Education	***129 - 131 credits***

Note: *The above option requires more than 12 quarters to complete at 15 credits per quarter.*

Bachelor of Science (B.S.) in Biology

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 40-41 credits of upper division courses with advisor's consent, many of which may be additional Biology courses: 40-41 credits

Total required credits	***39 - 40 credits***
Total required supporting courses	***20 credits***
Minimum total additional upper division	***40 - 41 credits***
Minimum total credits for above Major	***99 - 101 credits***

Note: *The above option requires more than 12 quarters to complete at 15-16 credits per quarter.*

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 (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)

Total required credits	***49 credits***
Total 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-med/Pre-dent/Pre-vet Option (134 - 136 credits)

This curriculum is recommended for students planning a career in medicine, dentistry or veterinary medicine. 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. Advisor: Sidney K. Kasuga and Charles M. Herr.

Students interested in pursuing careers in Physical Therapy, Occupational Therapy, Nursing or Physician's Assistant need to see an 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 301 Microbiology (5)
BIOL 302 Botany (5)
BIOL 304 Vertebrate Zoology (5)
BIOL 310 Fundamentals of Genetics (5)
BIOL 436 Cell Biology (5)
BIOL 438 Molecular Biology (5)
BIOL 490 Dept. Senior Capstone (5)
BIOL 498 Seminar (1)
BIOL 498 Seminar (1)

Required supporting courses

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 Lab (3)
CHEM 480 Biochemistry (5)
CHEM 481 Intermediary Metabolism (5)
ENGL 201 College Composition: Analysis, Research, and Documentation (5)
ENGL 205 Introduction to Technical Writing (5)
MATH 161 Calculus I (5)
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 Lab I (1)

Suggested Electives

CHEM 304 Quantitative Analysis (6)
and any other upper division courses in Biology or Chemistry **with the advisor's consent.**

Total required credits	***52 credits***
Total required supporting courses	***74 credits***
Minimum suggested elective credits	***8 - 10 credits***
Minimum total credits for above Major	***134 - 136 credits***

Note: *For GECRs 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 required credits	***36 - 37 credits***
Minimum total credits for above Minor	***36 - 37 credits***

Biology/Secondary Minor (49 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: 11 credits

MATH 105 Precalculus Mathematics I (5)
SCED 390 Secondary Science Teaching Methods (6)

Total required credits	***38 credits***
Total required supporting credits	***11 credits***
Total credits for above Minor	***49 credits***

Course Requirements for Teacher Certification/Add-On Endorsements

(For students who currently possess a Washington state Teaching Certificate)

General Science/Add-On Endorsement (60 credits)

To improve the marketability of the science teacher, students may wish to complete this option in addition to their B.A.E. 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)

Total credits for above Add-On Endorsement	***60 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 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 web site at www.biology.ewu.edu. Graduates of the biology program either continue in Ph.D. 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 M.S. 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 1 March. Applicants not seeking Teaching Fellowships must have their completed application to the Department of Biology by 1 April, 15 October, and 15 January 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)

Total required core credits	***14 credits***
Minimum elective credits	***16 - 20 credits***
Minimum 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 2-3 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.

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)
FALL/WINTER/SPRING/SUMMER
[satisfies the GECR for natural sciences, biology.]

An introduction to the methods of study and the three levels of organization in living organisms: cell, organismal, and population.

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)
FALL
[satisfies the GECR for natural science, biology.]

Prerequisite: Basic skills clearance in Mathematics. For students planning to teach elementary school. Includes inquiry based biological investigations that support science instruction outlined in the National Science Education Standards and Washington Essential Academic Learning Requirements.

BIOL 132, 133
Introduction to Human Anatomy and Physiology I, II (5 each)
[the completed sequence of biol 132, 133 satisfies the GECR 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)
FALL/SPRING
Introduction to biology, covering a review of chemistry from atomic structure through respiration, cell and molecular biology and genetics.

BIOL 172
Biology II (4)
FALL/WINTER
Prerequisite: BIOL 171.
Introduction to biology, covering evolution, the diversity of life, and interactions among organisms and their environment.

BIOL 173
Biology III (4)
FALL/WINTER
Prerequisite: BIOL 172.
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 (5 each)
FALL(232)/WINTER(233)/SPRING(234)
[the completion of biol 232, 233, and 234 satisfies the GECR 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)
FALL/WINTER/SPRING/SUMMER
[the completion of biol 171 and 270 satisfies the GECR for natural sciences, biology; counts as one course. the completion of biol 171, 172 and 270 satisfies the GECR 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)
FALL/WINTER/SPRING/SUMMER
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)
FALL/WINTER
Prerequisites: BIOL 173, 270, CHEM 153.
Morphology, physiology, taxonomy and ecology of the microorganisms, emphasizing prokaryotes, the fungi, and the viruses.

BIOL 302
Botany (5)
WINTER/SPRING
Prerequisites: BIOL 173, 270, CHEM 153.
The structure, function, and phylogenetic relationships in the plant kingdom.

BIOL 303
Invertebrate Zoology (5)
FALL
Prerequisites: BIOL 173, 270, CHEM 153.
The structure, function, and phylogenetic relationships of the invertebrate phyla from the Protista through the Echinodermata.

BIOL 304
Vertebrate Zoology (5)
FALL/WINTER
Prerequisites: BIOL 173, 270, CHEM 153.
The structure, function and phylogenetic relationships of the vertebrates.

BIOL 306
Forest and Rangelands (5)
Prerequisite: GEOG 100 or prior permission of the instructor.
An introduction to the pattern of North American 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)
FALL/WINTER/SPRING
Prerequisite one of the following: BIOL 301, 302, 303, 304.
This course provides comprehensive coverage of the major topic areas of genetics: classical, molecular and evolutionary.

BIOL 311
Field Botany (5)
SPRING
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)
WINTER
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)
FALL
Prerequisite: BIOL 304.
Gross and microscopic anatomy and physiology of the human neural, muscular and skeletal systems.

BIOL 333
Human Cardiopulmonary and Renal Systems (5)
WINTER
Prerequisite: BIOL 304.
Anatomy and physiology of the human cardiovascular, pulmonary and renal systems.

BIOL 334
Human Regulatory and Visceral Systems (4)
SPRING
Prerequisite: BIOL 304.
Anatomy, physiology, and neuroendocrine regulation of human metabolic, gastrointestinal, and reproductive systems.

BIOL 335
Elementary Medical Microbiology (5)
SPRING
Prerequisite: BIOL 232.
The micro-organisms and animal parasites, with chief emphasis on those which affect human health.

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)
WINTER
Biological, social, ethical and economic implications of current advances in the biological sciences.

BIOL 343
Biology of Aging (3)
SUMMER
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
Teaching Methods and Laboratory Management (3)
WINTER
Prerequisite: Advanced standing in departmental programs.
For biology majors and individuals seeking endorsement to teach junior or senior high school. Studies types of biology programs, organization of lesson materials, techniques and laboratory safety.

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)
SPRING
Prerequisites any two: BIOL 301, 302, 303, 304.
A general study of the physical, chemical, and biological features of lakes and streams.

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)
FALL-EVEN YEARS
Prerequisite: BIOL 302.
Structure, physiology, ecology, and taxonomy of microfungi and mushrooms, with an emphasis on fungi of the Northwest.

BIOL 420
Epidemiology (5)
WINTER
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)
FALL
Prerequisites: BIOL 301, CHEM 351.
The microbial agents of human disease, with an emphasis on bacteria.

BIOL 423
Systematics and Evolution (5)
WINTER
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)
WINTER
Prerequisite: BIOL 421 or permission of the instructor.
Immune reactions of animals with principal emphasis on those associated with infectious diseases.

BIOL 432
Virology (5)
SPRING
Prerequisite: BIOL 430.
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)
SUMMER
Prerequisites: BIOL 173 or 234, CHEM 153 or 163.
A general study of human neoplasms.

BIOL 436
Cell Biology (5)
WINTER
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)
SPRING
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)
FALL/SPRING
Prerequisites: MATH 106; any one of BIOL 301, 302, 303, 304, or permission of the instructor.
The study of factors which determine the distribution and abundance of organisms.

BIOL 441
Ecology Lab (2)
FALL/SPRING
Prerequisite: Current or prior enrollment in BIOL 440.
A field and laboratory course which emphasizes testing ecological hypotheses.

BIOL 442
Conservation Biology (4)
WINTER-ODD YEARS
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)
WINTER-EVEN YEARS
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)
FALL/SPRING
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)
SPRING-ODD YEARS
Prerequisite: BIOL 304.
The classifications, life histories and ecology of mammals.

BIOL 452
Parasitology (5)
WINTER
Prerequisite: BIOL 303 or permission of the instructor.
The animal parasites, with chief emphasis on those of medical importance.

BIOL 454
Ornithology (5)
SPRING-EVEN YEARS
Prerequisite: BIOL 304 or permission of the instructor.
Natural history and taxonomy of birds.

BIOL 460
Hematology (5)
FALL
Prerequisites: BIOL 301, 304 or permission of the instructor.
The morphology and hemostasis of the normal and abnormal human hematological system.

BIOL 462
Ichthyology (5)
FALL
Prerequisite: BIOL 304 or permission of the instructor.
Systematic and ecological studies of fishes with emphasis on the freshwater fishes of the U.S.

BIOL 463
Fisheries Biology and Management (4)
SPRING-EVEN YEARS
Prerequisite: BIOL 462 or permission of the instructor.
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)
Prerequisite any one: BIOL 301, 302, 303 or 304.
Emphasis is placed on developing skill in the production of drawings, diagrams, charts and graphs suitable for publication.

BIOL 476
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 477
Embryology (5)
SPRING
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 481
Freshwater Invertebrate Zoology (5)
SPRING
Prerequisite: BIOL 303 or 304.
A field course stressing the collection, preservation, and identification of freshwater invertebrates.

BIOL 485, 486
Molecular Biotechnology (5 each)
SPRING(485)/WINTER(486)
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)
WINTER(488)/SPRING(489)
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: CHEM 151, 152, 153.
See your major department advisor for the appropriate section number.

BIOL 496
Experimental Courses And Research Courses (1-5)
FALL/WINTER/SPRING/SUMMER

BIOL 497
Workshops, Short Courses, Conferences (1-5)
FALL/WINTER/SPRING/SUMMER

BIOL 498
Seminar (1-2)
FALL/WINTER/SPRING
Prerequisite: Advanced standing in departmental program.

BIOL 499
Directed Study (1-5)
FALL/WINTER/SPRING
Prerequisite: Permission of the instructor.

BIOL 505
Limnology (5)

SPRING
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)
FALL-EVEN YEARS
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)
FALL
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)
WINTER
May be repeated for credit.
Prerequisite: Admission to the Biology Masters 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)
WINTER/SPRING
May be repeated for credit.
Prerequisite: Admission to the Biology Masters 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)
FALL
May be repeated for credit.
Prerequisite: Admission to the Biology Masters 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)
WINTER
May be repeated for credit.
Prerequisite: Admission to the Biology Masters 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)
FALL/WINTER/SPRING
Presentations by faculty and graduate students of current biological research papers.

BIOL 520
Epidemiology (5)
WINTER
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)
FALL
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)
WINTER
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)
SPRING
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)
SUMMER
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)
WINTER
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)
WINTER ALTERNATE YEARS
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)
WINTER ALTERNATE YEARS
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)
SPRING ALTERNATE YEARS
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)
WINTER
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)
SPRING ALTERNATE YEARS
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)
FALL
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)
FALL
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 U.S., incorporating review of primary literature and independent field research.

BIOL 563
Fisheries Biology and Management (4)
SPRING-ALTERNATE YEARS
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)
SPRING
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)
SPRING
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)
WINTER
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)
WINTER(588)/SPRING(589)
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)
FALL/WINTER/SPRING
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)
FALL/WINTER/SPRING
Thesis will represent culmination of original research under direction of graduate committee.

BIOL 601
Research Report (1-10)
FALL/WINTER/SPRING
Non-thesis directed research. Not available for Master of Science in Biology.

Courses

Terms Offered*: If no terms are indicated, check with department or quarterly Course Announcement.*

SCED 390
Secondary Science Teaching Methods (6)
Prerequisite: Junior level standing.
For biology, chemistry, earth science and physics majors and individuals seeking endorsement to teach junior or senior high school. Studies types of science programs, organization of lesson materials, techniques, laboratory safety and evaluation.

BUSINESS ADMINISTRATION

College of Business and Public Administration
Gordon Chapman, Chair
Department of Accounting and Information Systems
304 Kingston Hall/307 Riverpoint
(509) 359-4235/358-2234

Brian Grinder, Chair
Department of Management
305 Kingston Hall/362 Riverpoint
(509) 359-4235/358-2285

Jen Stormo, Advisor
Undergraduate Business Program
349 Riverpoint
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Karen Morley, Advisor
Undergraduate Business Program
317 Kingston Hall
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B.A.B.
Minors
M.B.A.
Faculty: N. Birch, A. Cameron, G. Chapman, S. Christensen, V. Cooney, J. Dowd, W. Eager, D. Eagle, B. Grinder, D. Gorton, J. Hasan, D. Heckel, D. Kiefer, L. Lewis, J. Mager, R. Maldonado, R. McGinty, W. McGonigle, 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 Ph.D.s 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, basics are 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 coursework 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.

Coursework 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
BUSN	Business: Pre-MBA
FINC	Finance
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
MKED	Marketing Education
VOED	Vocational 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 B.A.B. 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 GECR, or International Studies

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 (B.A.B.)

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 (B.A.B.) 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 B.A.B. degree must achieve:

1. a minimum grade of 2.0 in each course required for the major,
2. formal admission to the B.A.B. program, and

3. a minimum grade point average of 2.50 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

The Business Undergraduate Program instituted a policy limiting repeats effective Fall Quarter 2004.

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 offered by the Department of Management and the Department of Accounting and Information Systems.

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 http://www.cbpa.ewu.edu/Advising// for details.)

Program Location:

The Bachelor of Arts in Business Administration (B.A.B.) 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 Informations 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 246 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:
Small Business Policy and Analysis* **or** Administrative Policies* (4)

Note: *ECON 200 and 201 are considered supporting courses and may be used to fulfill GECRs as well as requirements for the Business Administration degree. However, these courses are not counted twice towards the total of 180 credits for graduation.*

**See your major department advisor for appropriate section number.*

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.

Total business administration core	***69 credits***
Total required credits	***10 credits***
Total 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 Markets (4)
FINC 435 Financial Decision Analysis (4)

Electives

Select approved, related electives in consultation with your faculty advisor.

Total business administration core	***69 credits***
Total required credits	***22 credits***
Minimum total elective credits	***4 - 5 credits***
Minimum total credits for above Major	***95 - 96 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.

Total business administration core	***69 credits***
Total required credits	***4 credits***
Minimum total elective credits	***16 - 18 credits***
Minimum total credits for above Major	***89 - 91***

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.

Total business administration core	***69 credits***
Total required credits	***12 credits***
Minimum total elective credits	***8 - 10 credits***
Minimum total credits for above Major	***89 - 91 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 226 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.

Total business administration core	***69 credits***
Minimum total required credits	***20 - 21 credits***
Total elective credits	***8 credits***
Minimum total credits for above Major	***97 - 98 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 312 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.

Total business administration core	***69 credits***
Total required credits	***16 credits***
Minimum total elective credits	***8 - 10 credits***
Minimum total credits for above Major	***93 - 95 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, 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.

Total business administration core	***69 credits***
Total required credits	***12 credits***
Minimum total elective credits	***12 - 14 credits***
Minimum total credits for above Major	***93 - 95 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)

ACCT 453 Advanced Accounting (4)
ACCT 456 Federal Income Tax III (4)

Total business administration core ***69 credits***
Total required credits ***44 credits***
Total elective credits ***4 credits***
Total credits for above Major ***117 credits***

Bachelor of Arts in Education (B.A.E.) for Business Education

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 (77 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 C.P.R.

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)
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)
VOED 301 Philosophy of Vocational Education (4)
VOED 375 Safety and Industrial Hygiene (1)
VOED 474 Administration of Work Based Education (4)

Total required credits ***77 credits***
Total credits for above Major ***77 credits***

Professional Education Requirements/ Secondary Education: 50-52 credits

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

Minimum total credits for above Major & Professional Education ***127 - 129 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.

Total required credits ***10 credits***
Total elective credits ***12 - 14 credits***
Minimum total credits for above Minor ***22 - 24 credits***

Note: *This minor is only available for students who are not pursuing a Bachelor of Arts in Business Administration degree.*

Business Administration: Pre-MBA Minor (20 credits)

The Business Administration: The Pre-MBA minor is offered for students not pursuing a Bachelor of Arts in Business Administration degree who may wish to pursue the M.B.A. upon completion of their baccalaureate degree. This minor provides background in accounting, management, quantitative methods, the legal and ethical environment of business, marketing, and operations management. Students must have junior or senior standing and a cumulative GPA of 3.00 or better to take this minor.

Required Courses

BUSN 400 Environment of Business (pre-MBA) (4)
BUSN 410 Accounting (pre-MBA) (4)
BUSN 420 Management of Organizations (pre-MBA) (4)
BUSN 430 Quantitative Methods (pre-MBA) (4)
BUSN 440 Marketing/Operations Management Concepts (pre-MBA) (4)

Total required credits ***20 credits***
Total credits for above Minor ***20 credits***

International Business Minor (16 credits)

This minor is offered for students in the Bachelor of Arts in Business Administration (B.A.B.) 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 473 International Accounting (2)
IBUS 474 International Financial Management (2)

Total required credits ***16 credits***
Total credits for above Minor ***16 credits.***

Note: *This minor is only available for students who are pursuing a Bachelor of Arts in Business Administration (B.A.B.) 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 370 Multimedia Production of Business Documents (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 required credits ***20 - 25 credits***
Minimum total credits for above Minor ***20 - 25 credits***

Note: *Some of these courses have the prerequisite MISC 311 Information Technology in Business (4) or CSCD 226 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 coursework, 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 depending on the number of prerequisites student must complete. Non-business majors will tend to need more coursework than business majors.

Prerequisites: Computer Literacy, DSCI 245, 246, OPSM 330, MKTG 310.

MKTG 411 Marketing Research (4)
DSCI 447 Design of Experiments (4)
OPSM 441 Problems in Operations (4)

Approved electives dependent on student needs and interests (4)

Minimum total required credits ***16 - 28 credits***
Minimum total credits for above Minor ***16 - 28 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)
MGMT 422 Entrepreneurship (4)
MISC 370 Multimedia Production of Business Documents (4)
MKTG 310 Principles of Marketing (4)
MISC 373 Business Database Application (4)
MISC 374 Spreadsheet Modeling for Business Applications (4)
VOED 301 Principles and Philosophy of Vocational Business Education (4)
VOED 375 Safety and Industrial Hygiene (1)
VOED 474 Administration of Work Based Education (4)

Total required credits ***58 credits***
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)
MGMT 422 Entrepreneurship (4)
MISC 373 Business Database Application (4)
MISC 374 Spreadsheet Modeling for Business Applications (4)
MKTG 310 Principles of Marketing (4)
VOED 301 Principles and Philosophy of Vocational Business Education (4)
VOED 375 Safety and Industrial Hygiene (1)
VOED 474 Administration of Work Based Education (4)
Three additional approved upper-division marketing classes (12)

Total required credits ***58 credits***
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

M. David Gorton, Program Director
EWU, Phase One Classroom Building, Suite A
668 N. Riverpoint Blvd., #331
Spokane WA 99202-1660
(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 M.B.A. 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 (M.B.A.) was authorized in 1975. Both the graduate and undergraduate business programs are nationally accredited by the American Assembly of Collegiate Schools of Business (AACSB).

Admission Requirements/Preparation

To be admitted to the M.B.A. 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 M.B.A. 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 $35 application fee; and
5. Any other information required by the M.B.A. 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 580 is required to be

considered for M.B.A. Program admission. Note: Admission to the M.B.A. 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 M.B.A. students throughout the academic year. Applicants will be advised by letter from the Graduate Studies Office concerning the admission decision. Shortly thereafter, the M.B.A. Program Office will notify the admitted student by letter to arrange a meeting with the M.B.A. program director for an entrance interview. 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.

Mathematics and Communications Skills Required

The M.B.A. 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 M.B.A. curriculum have been infused with the application of computer technology in managerial decision-making. In addition, M.B.A. 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. M.B.A. 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 M.B.A. Program must maintain at least a 3.0 grade point average 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 M.B.A. 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 M.B.A. 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 M.B.A. students will be apprised of these regulations at their initial interview with the M.B.A. Program Director following admission to the program.

Advising and Special Counseling

All entering students should consult with the director of the M.B.A. 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 M.B.A. 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 M.B.A. Program or other master's degree programs, and where all prerequisites for the courses have been met.

Study Groups

Managers interact and so do M.B.A. students. The M.B.A. 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 M.B.A. 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 M.B.A. program. Up to four (4) four credits earned while in an internship may be used for M.B.A. elective credit.

M.B.A. Program Structure

Prerequisite and Foundation Coursework

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 M.B.A. foundation coursework may be satisfied by completion of the following PRE-MBA courses:

BUSN 400 Environment of Business (PRE-MBA) (4)
BUSN 410 Accounting (PRE-MBA) (4)
BUSN 420 Quantitative Methods (PRE-MBA) (4)
BUSN 440 Marketing/Operations Management Concepts (PRE-MBA) (4)
BUSN 502 Finance (PRE-MBA) (4)
BUSN 504 Operations Management Application (PRE-MBA) (4)
ECON 500 Economic Analysis (4)

Prerequisite Knowledge (for those without adequate business knowledge)

ACCT 308 Legal Environment of Business (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)
and DSCI 304 Applications of Statistics II (4)
BADM 505 Essentials in Accounting (4)
or ACCT 301 Financial Accounting (4)
and ACCT 302 Management 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

Required Core Coursework 33 credits

BADM 500 The M.B.A. 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 M.B.A. 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 M.B.A. 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 M.B.A. degree before the total program is planned and the application for degree candidacy is submitted.

Oral Examination Requirement

The comprehensive examination for M.B.A. 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

M.B.A. 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 M.B.A. 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 M.B.A. Program must be completed within six years after the first applicable advanced course has been undertaken. The core M.B.A. 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. M.B.A. students who are employed usually carry no more than eight credits (two courses).

Visiting Graduate Students

Visiting graduate students may enroll in M.B.A. Program courses on a space-available basis provided they have delivered to the M.B.A. Program Director documentary proof from their home institution that they are bonafide 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 M.B.A. Program Director.

Affiliated Programs

Combined M.B.A. Degree/Health Services Administration Certificate

For students who select Option I - Electives, a combined M.B.A. Degree/Health Services Administration Certificate Program is available.

Students in the M.B.A./Health Services Administration program take, in addition to the 33 required M.B.A. credits, the following courses:

HSAD 500 U.S. 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 M.B.A. 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 M.B.A./M.P.A. Degree Program

A dual-degree program is available with the Master of Public Administration (M.P.A.) 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 M.B.A. Program and the Graduate Program in Public Administration (M.P.A.). 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 M.P.A. Program Director at 358-2248 or the M.B.A. Program Director at 358-2270 to be advised in advance of consideration for admission.

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
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 C.P.A. 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 453
Advanced Accounting (4)
Prerequisite: ACCT 353.
Selected special topics in financial accounting. Emphasis on financial accounting theory for partnerships, corporate combinations, and other selected advanced topics in financial accounting. Study of official pronouncements and major literature in the above areas.

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 456
Federal Income Tax III (4)
Prerequisites: ACCT 454, 455.
Special topics in federal income taxation. Emphasis on tax research and planning. Designed for specialists in tax work. Technical aspects of taxation—estates, trust, pension and profit-sharing plans, foreign income/foreign taxpayers and audits-tax fraud, rules of evidence and ethics of tax practice.

ACCT 473
International Accounting (2)
Prerequisites: ACCT 251, IBUS/MGMT 470 or permission of the instructor.
A survey of the cultural/economic/social/political environments that impact the development and use of country specific accounting information systems, similarities and differences in accounting thought, principles, and procedures around the world, and the impact of such diversity on the use of accounting information in making business decisions. (Cross-listed IBUS 473)

ACCT 495
Internships (1-15)

ACCT 498
Seminar (1-5)

ACCT 499
Directed Study (1-5)

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)

Courses

***Terms Offered**: If no terms are indicated, check with department or quarterly Course Announcement.*

BADM 500
The M.B.A. Experience (1)

Graded Pass/No Credit.

Prerequisite: Admission to the M.B.A. program.

This course is designed to develop a set of student learning skills for the M.B.A. Program so students can become familiar with the faculty, other students in the M.B.A. 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 M.B.A. program portfolio.

BADM 503
Quantitative Analysis in Business (4)

This course does not count toward the M.B.A. degree.

Prerequisite: Permission of the M.B.A. Director.

An accelerated course in descriptive and inferential statistics, including basic regression analysis, chi-square analysis, and quality control methodology.

BADM 504
Operations Management Application (Pre-MBA) (4)

Prerequisite: Admission to the M.B.A. program or permission of the M.B.A. Director.

An accelerated course that focuses on the business functions of operations management. The primary concentration of this course is the business application of operations management concepts.

BADM 505
Essentials of Accounting (4)

This course does not count toward the M.B.A. degree.

Prerequisite: Permission of the M.B.A. 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 510
Business Decision Making (4)

THIS SHOULD BE TAKEN EARLY IN THE M.B.A. PROGRAM.

Prerequisites: Admission to the M.B.A. program and completion of the M.B.A. foundation or permission of the M.B.A. Director.

A study of managerial decision making and problem solving as practiced by local business. This will be a live case study course discussing decision making in a variety of functional areas, possibly including but not limited to marketing, finance, human resource management, organizational theory, accounting and taxation, operations management, general management, ethics, and global perspectives.

BADM 520
Advanced Data Modeling for Business Research (4)

Prerequisites: Admission to the M.B.A. program and completion of the M.B.A. foundation, or permission of the M.B.A. 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 M.B.A. Program and completion of the M.B.A. foundation, or permission of the M.B.A. 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 M.B.A. program and completion of the M.B.A. foundation, or permission of the M.B.A. 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 M.B.A. program and completion of the M.B.A. foundation or permission of the M.B.A. 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 551
The Human Dynamics of Organizations: Managing and Leading (4)

Prerequisites: Admission to the M.B.A. program and completion of the M.B.A. foundation or permission of the M.B.A. Director.

This course is designed to prepare students for the human dynamics of organizations in terms of managing and leading the new workforce.

BADM 552
Leadership and Ethics (4)

Prerequisites: Admission to the M.B.A. program and completion of the M.B.A. foundation, or MGMT 326 or equivalent and permission of the M.B.A. 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 M.B.A. program and completion of the M.B.A. foundation, or permission of the M.B.A. Director.

This course focuses on the use of accounting information and accounting information systems in business decision-making.

BADM 561
Critical and Creative Analysis of Business Issues (4)

Prerequisites: Admission to the M.B.A. program and completion of the M.B.A. foundation or permission of the M.B.A. Director.

This course will cover the use of critical and creative thinking skills in the business environment. The focus of the course will be on the application of these skills to complex business issues. Applying these skills will help managers deal with business issues which have no clear answers. The skill set of critical and creative thinking includes qualitative and quantitative tools. This course will focus on the application of qualitative critical and creative tools to actual business situations.

BADM 570
Information Technology and the Organization (4)

Prerequisites: Admission to the M.B.A. program and completion of the M.B.A. foundation, or permission of the M.B.A. 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 M.B.A. 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: M.B.A. 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 coursework or background.

BADM 573
Entrepreneurship and Small Business Marketing (4)

Prerequisites: M.B.A. 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: M.B.A. 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: M.B.A. 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: M.B.A. 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 import in this course.

BADM 580
Comparative Business Environments (4)
Prerequisites: Admission to the M.B.A. Program and completion of the M.B.A. foundation, or permission of the M.B.A. Director.
This course provides an overview of the roles of business in the global economic, political, social, and other environments in which businesses operate. Taking a comparative systems perspective, the course will study various systems of economic and political organization and how these impact business environments. Taking a strategic management perspective, the course explores how the nature and objectives of the firm and its interface with markets, society, government and the global economy might differ within the various systems.

BADM 590
Business Strategy, Vision, and Policy Implementation (4)
THIS COURSE SHOULD BE THE LAST CORE COURSE IN A STUDENT'S M.B.A. PROGRAM.
Prerequisites: Admission to the M.B.A. program and completion of the M.B.A. foundation, or permission of the M.B.A. 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.

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 376
Principles and Philosophy of Vocational Business Education (2)
Prerequisite: Junior standing.
The study of the role of vocational business education at the secondary level: philosophy, purposes, scope and sequence curricula, relationship to total vocational curriculum, trends vocational certification requirements, professional periodicals and publications, professional organizations, program implementation and evaluation, and professional opportunities in vocational education.

BUED 399
Directed Study (1-5)

BUED 475
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
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)

Courses

Enrollment in BUSN courses requires permission of the M.B.A. director. They are not open to students pursuing a Bachelor of Arts in Business Administration.

Terms Offered*: If no terms are indicated, check with department or quarterly Course Announcement.*

BUSN 400
Environment of Business (Pre-MBA) (4)
Not open to students pursuing a Bachelor of Arts in Business Administration. Prerequisite: Permission of the M.B.A. director.
A review of historical and contemporary perspectives on the legal, political, social, and ethical environments of business. A study of how these perspectives have shaped the modern American business firm and the issues that face such firms. The course also analyzes the methods of control of business that have developed over time from the interplay between the legal, political, economic, and social environments.

BUSN 410
Accounting (Pre-MBA) (4)
Not open to students pursuing a Bachelor of Arts in Business Administration. Prerequisite: Permission of the M.B.A. director.
A course in understanding and using the accounting information system of the firm; including both the formal financial accounting system and the managerial accounting system. Topical content includes: income statements, balance sheets, cash flow statements, accounting concepts, cost-profit-volume analysis, and costing systems.

BUSN 420
Management of Organizations (Pre-MBA) (4)
Not open to students pursuing a Bachelor of Arts in Business Administration. Prerequisite: Permission of the M.B.A. director.
Explore the nature of human behavior and better management of organizations. Whenever possible, application to the management of human resources will be provided. A theoretical foundation of the discipline must be established first before understanding how it can be applied to specific business situations. Topics include, but are not limited to, motivation, job design and goal setting, group dynamics, leadership, attributes and job satisfaction, organization behavior modification, decision making, organization theory and design, the international context of organizational behavior, and organizational culture.

BUSN 430
Quantitative Methods (Pre-MBA) (4)

Not open to students pursuing a Bachelor of Arts in Business Administration. Prerequisite: Permission of M.B.A. director.

A study of how statistical techniques are used to manipulate, summarize, and investigate data to obtain useful business decision making information. Descriptive and inferential statistical techniques are covered along with analysis of variance, regression and multiple regression analysis, quality control, time series analysis, and forecasting.

BUSN 440
Marketing/Operations Management Concepts (Pre-MBA) (4)

Not open to students pursuing a Bachelor of Arts in Business Administration. Prerequisite: Permission of the M.B.A. director.

An accelerated course that integrates the business functional areas of marketing and operations management. The marketing concepts reviewed include the marketing mix of product, price, promotion and distribution, market segmentation and positioning, consumer behavior, and the marketing environment. The models and methods of production and operations management will be reviewed focusing on managerial approaches to planning, scheduling, and controlling both product and service. The interrelationship between key concepts in marketing and operations management will be stressed.

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 246
Advanced Data Analysis for Business (4)

FALL/WINTER/SPRING

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.

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 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 304
Applications of Statistics II (4)

FALL/WINTER/SPRING/SUMMER

May be substituted for DSCI 246; credit is not granted for both DSCI 246 and 304. Prerequisite: Junior standing, completion of University computer literacy competency and completion of a math course that satisfies math proficiency (MATH 200 is highly recommended), and DSCI 245 or 303 or equivalent.

Applications of statistical techniques to practical business problems involving two or more variables. Computer software is used extensively for both analysis and presentation. Case studies are used to integrate problem solving and communication skills.

DSCI 399
Directed Study (1-5)

DSCI 446
Business Forecasting (4)

Prerequisite: DSCI 246 or 304 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)

Prerequisites: DSCI 246 or 304 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)

Prerequisites: DSCI 246 or 304 or equivalent or permission of the instructor.

Probabilistic models in decision science, with emphasis on discrete event simulation.

DSCI 499
Directed Study (1-5)

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: DSCI 245, MISC 311, ACCT 252, ECON 201.

The application of basic theory and analytical techniques to financial decision making. Emphasizes capital budgeting, working capital, cash management, cost of capital, and capital structure decisions.

FINC 399
Directed Study (1-5)

FINC 431
Investments (4)

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 (4)

Prerequisite: ECON 200 or instructor permission.

Examines the principles of insurance and forms of risk management; considers the development and forms of private and social insurance programs. (Cross-listed ECON 445, HSAD 420)

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 Markets (4)

FALL/WINTER

Prerequisites: FINC 335, ECON 444.

Description and analysis of financial markets and institutions as allocators of capital flows. Emphasizes the study of the level and structure of interest rates as the principal means of channeling savings into alternative forms of investment. Considers the effects of various government policies.

FINC 435
Financial Decision Analysis (4)

FALL/SPRING

Prerequisite: FINC 335.

Analysis of financial decisions through the use of case method, computer simulation and other analytical techniques. Emphasizes the cost of capital, capital budgeting, cash planning, acquisition and utilization of funds, composition of income, and the asset structure of the firm.

FINC 474
International Finance (5)

WINTER

Prerequisites: ECON 200 and 201, FINC 335 or IBUS/ACCT 473, or instructor permission.

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)

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)

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 473
International Accounting (2)
Prerequisites: ACCT 251 and IBUS/MGMT 470 or permission of the instructor.
A survey of the cultural/economic/social/political environments that impact the development and use of country specific accounting information systems, similarities and differences in accounting thought, principles, and procedures around the world, and the impact of such diversity on the use of accounting information in making business decisions. (Cross-listed ACCT 473)

IBUS 474
International Financial Management (5)
WINTER

Prerequisites: ECON 20 and 201, FINC 335 or IBUS/ACCT 473, or instructor permission.
Develops a general framework to analyze international financial markets, exchange rates, exchange rate derivatives and open macroeconomics economies. (Cross-listed ECON 474, FINC 474)

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 307
Contemporary Business Functions (4)
Not open to upper division Business Administration majors. May be substituted for MGMT 120; credit is not granted for both MGMT 120 and 307.
Prerequisite: Junior standing; completion of University competencies and proficiencies requirements.
Examines the basic roles performed by business organizations operating in the local, national and global marketplace, and multi-dimensional interactions between the operating environment and the organization. Emphasis is placed on integration of various functional areas of business and the impact that the environment has on the organization as the entity evolves from its entrepreneurial origins to a mature organization.

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)
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)
Small Business Analysis and Policy
or Administrative Policies
[satisfies senior capstone university graduation requirement.]
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)

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)
Prerequisite: MISC 311 or CSCD 226 or permission of the instructor.
The study of the major information systems of business organizations with emphasis on the dynamic interrelationship between transaction processing systems, databases and management reporting systems. 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)
Prerequisite: MISC 311 or equivalent 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 226 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 226 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 226 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 226 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 226 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
Systems Analysis and Design (4)
Prerequisites: MISC 312 or 373 or permission of the instructor.
The analysis and design of business systems. The structure and life cycle of systems are examined. 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
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 226 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
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 226 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)

Courses

Marketing 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.*

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 246.
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
General Motors Promotion (4)
Prerequisite: MKTG 310.
Research, planning, implementation and evaluation of a promotional event for a General Motors dealer or General Motors brand. This class provides hands-on/real world experiences where a variety of marketing principles will be applied.

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)

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)

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 prior 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)

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 M.B.A. 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.

Courses

Terms Offered*: If no terms are indicated, check with department or quarterly Course Announcement.*

VOED 301
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.

VOED 375
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.

VOED 399
Directed Study (1-5)

VOED 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.

VOED 499
DIRECTED STUDY (1-5)

BUSINESS EDUCATION

See BUSINESS ADMINISTRATION

CHEMISTRY AND BIOCHEMISTRY

College of Science, Math and Technology
Ken Raymond, Chair
226 Hall of Sciences
(509) 359-2447

B.A., B.A.E.
B.S. Chemistry/Biochemistry Options: Biochemistry, Biochemistry/Biotechnology, Computer Science, Environmental, Forensic Science, Pre-med/Pre-dent/Pre-vet, Professional, Standard
Minors
General Science Endorsement
Faculty: J. Corkill, C. Kinney, J. Manson, E. McGoran, R. McRae, A. Oertling, J. Parker, J. Rahn, K. Raymond, P. Ritter, J. Small, B. Whelton

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 B.S. options are approved by the American Chemical Society and the ACS certifies graduates of these options.

The department offers programs leading to the Bachelor of Arts, and the Bachelor of Science. The B.S. degrees are recommended for students planning professional careers in chemistry or related areas, while the B.A. 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 one year of high school chemistry 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, (CSCD 225, 230, or 255) or equivalent 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.

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 (B.A.) in Chemistry/Biochemistry

Chemistry/Biochemistry Major with Business Option (105-107 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 (3)
CHEM 421 Physical Chemistry (4)
CHEM 422 Physical Chemistry (3)
CHEM 431 Physical Chemistry Lab (1)
CHEM 491 Senior Thesis (4-6)
MGMT 120 The World of Business (5)
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)

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)
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)

Minimum total required credits	***80 - 82 credits***
Total required supporting credits	***25 credits***
Minimum total credits for above Major	***105 - 107 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 (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 from the 300-level or above Chemistry and Biochemistry courses (exclusive of CHEM 390)

Suggested Supporting Courses

CSCD 225 Programming Principles I (5)
CSCD 230 Scientific Programming in Fortran (5)
CSCD 255 C Programming for Engineers (5)

Minimum total required credits	***46 - 48 credits***
Total required supporting credits	***25 credits***
Total required elective credits	***4 credits***
Minimum total credits for above Major	***75 - 77 credits***
Total suggested supporting credits	***5 credits***

Note: *A minor is advised but not required for the above option.*

Bachelor of Arts in Education (B.A.E.) for Chemistry/Biochemistry

Chemistry/Biochemistry/Secondary Major (77 - 80 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 (3)
CHEM 421 Physical Chemistry (4)
CHEM 422 Physical Chemistry (3)
CHEM 480 Biochemistry (5)

Select one of: 3-6 credits
CHEM 390 Chemistry Methods for the Secondary School (3)
SCED 390 Secondary Science Teaching Methods (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)

Minimum total required credits	***52 - 55 credits***
Total required supporting credits	***25 credits***
Minimum total credits for above Major	***77 - 80 credits***

Professional Education Requirements/ Secondary Education: 50-52 credits

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

Total credits for above Major & Professional Education	***127 - 132 credits***

***Note**: A minor is advised but not required for the above option.*

Bachelor of Science (B.S.) in Chemistry/Biochemistry

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 (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 Courses: (5 credits)
CSCD 225 Programming Principles I (5)
CSCD 230 Scientific Programming in Fortran (5)
CSCD 255 C Programming for Engineers (5)

Minimum total required credits	***69 - 71 credits***
Total required supporting credits	***50 credits***
Minimum total credits for above Major	***119 - 121 credits***
Total suggested supporting credits	***5 credits***

Chemistry/Biochemistry Major with Biochemistry/ Biotechnology Option (131 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 (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: 5 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)
Suggested Supporting Courses: (5 credits)
CSCD 225 Programming Principles I (5)
CSCD 230 Scientific Programming in Fortran (5)
CSCD 255 C Programming for Engineers (5)

Total required credits	***57 credits***
Total required supporting credits	***74 credits***
Total credits for above Major	***131 credits***
Total suggested supporting credits	***5 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 (102 - 104 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 (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 225 Programming Principles I (5)
CSCD 226 Programming Principles II (5)
CSCD 325 Object-Oriented Programming (3)
CSCD 326 Data Structures I (4)
CSCD 470 Computer Graphics Programming (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)

Minimum total required credits	***72 - 74 credits***
Total required supporting credits	***30 credits***
Minimum total credits for above Major	***102 - 104 credits***

Chemistry/Biochemistry Major with Environmental Option (116 - 118 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 (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

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)
BIOL 171 Biology I (4)
BIOL 172 Biology II (4)
BIOL 270 Biological Investigation (3)

Electives

Select 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 316 Environmental Conservation (5)
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)
SOCI 442 Environmental Sociology (5)
SOCI 443 Social Impact Assessment (5)
PLAN 406 Planning Law and Legislation (4)
PLAN 430 Environmental Planning (5)
PLAN 431 Environmental Impact Statements (3)

Suggested Supporting Courses: (5 credits)

CSCD 225 Programming Principles I (5)
CSCD 230 Scientific Programming in Fortran (5)
CSCD 255 C Programming for Engineers (5)

Minimum total required credits	***69 - 71 credits***
Total required supporting credits	***38 credits***
Minimum elective credits	***9 credits***
Minimum total credits for above Major	***116 - 118 credits***
Total suggested supporting credits	***5 credits***

*[1]As 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 (142 - 143 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 51 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 106. 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 351 Organic Chemistry (4)
CHEM 352 Organic Chemistry (4)
CHEM 372 Organic Chemistry Lab (3)
CHEM 373 Advanced Chemical Synthesis and Techniques (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 (3)
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)
DSCI 245 Data Analysis for Business (4)
Forensic electives (select from): (4-5 credits)
CMST 300 Public Speaking (5)
CRIM 300 Introduction to Criminal Justice (5)
CRIM 304 Forensic Inquiry (5)
CRIM 386 Basic Concepts of Criminal Law (5)
CRIM 404 Forensic Identification (4)
ENGL 205 Introduction to Technical Writing (5)
MATH 106 Precalculus Mathematics II (5)[1]
MATH 161 Calculus I (5)[1]
MATH 162 Calculus II (5)
Physics courses (select one complete series): (13 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 163 Instrumentation Laboratory (1)

Total required credits	***76 credits***
Minimum total required supporting credits	***66 - 67 credits***
Minimum total credits for above Major	***142 - 143 credits***

*[1]Must be completed **before** the student can apply for an internship; combined average GPA of 3.0 or better in these classes is required.*

[2]Students are required to do research on a forensic project and to take it for 5 credits (catalog description states 4-6 credits)

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/ vet 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 (3)
CHEM 373 Advanced Chemical Synthesis and Techniques (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(s) (2)

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 Heat and Optics Lab (1)
PHYS 163 Instrumentation Lab I (1)

Suggested Supporting Courses
CHEM 454 Clinical Chemistry (4)
CHEM 492 Modern Research Strategies I (2)
CHEM 498 Seminar (Var)
CHEM 499 Directed Study (Var)
ENGL 205 Introduction to Technical Writing (5)
One of the following courses
CSCD 225 Programming Principles I (5)
CSCD 230 Scientific Programming in Fortran (5)
CSCD 255 C Programming for Engineers (5)

Total required credits	***68 credits***
Total 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 (3)
CHEM 373 Advanced Chemical Synthesis and Techniques (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 Courses: (5 credits)
CSCD 225 Programming Principles I (5)

CSCD 230 Scientific Programming in Fortran (5)
CSCD 255 C Programming for Engineers (5)

Minimum total required credits	***80 - 82 credits***
Total required supporting credits	***30 credits***
Minimum total credits for above Major	***110 - 112 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 (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 Heat and Optics Lab (1)
PHYS 163 Instrumentation Lab I (1)

Electives

Select from the 300-level or above Chemistry and Biochemistry courses (exclusive of CHEM 390)

Suggested Supporting Course

CSCD 225 Programming Principles I (5)
CSCD 230 Scientific Programming in Fortran (5)
CSCD 255 C Programming for Engineers (5)

Minimum total required credits	***59 - 61 credits***
Total required supporting credits	***30 credits***
Total elective credits	***6 credits***
Minimum total credits for above Major	***95 - 97 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 upper-division Chemistry and Biochemistry courses (exclusive of CHEM 390)

Total required credits	***15 credits***
Total 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. CHEM 330, or 351 and 352, may be applied towards the minor but not intermixed.*

Chemistry/Biochemistry Secondary Minor (24 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)

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 (3)
CHEM 421 Physical Chemistry (4)
CHEM 480 Biochemistry (5)

Minimum total required credits	***24 credits***
Minimum total credits for above Minor	***24 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 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 330 Fundamentals of Organic Chemistry (6)
CHEM 351 Organic Chemistry (4)
CHEM 352 Organic Chemistry (4)
CHEM 372 Organic Chemistry Lab (3)
CHEM 373 Advanced Chemical Synthesis and Techniques (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 305 Introduction to Oceanography (5)
GEOG 314 Weather and Climate (5)
GEOG 315 Surface Hydrology (4)
GEOG 316 Environmental Conservation (5)
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)
SOCI 442 Environmental Sociology (5)
SOCI 443 Social Impact Assessment (5)
PLAN 406 Planning Law and Legislation (4)
PLAN 430 Environmental Planning (5)
PLAN 431 Environmental Impact Statements (3)

Total required credits	***23 credits***
Minimum total elective credits	***9 credits***
Minimum 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 (60 credits)

To improve the marketability of the science teacher, students may wish to complete this option in addition to their B.A.E. 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)

Total required credits ***60 credits***
Total credits for above Add-On Endorsement ***60 credits***

Courses

***Terms Offered**: If no terms are indicated, check with department or quarterly Course Announcement.*

CHEM 100
Introduction to Chemistry (5)
FALL/WINTER/SPRING
Prepares those who have not had a satisfactory background in high school chemistry to take CHEM 151 or 161.

CHEM 121
Chemistry and its Role in Society (5)
FALL/WINTER/SPRING
[satisfies the GECR 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 130
Overview of Environmental Chemistry (2)
Graded Pass/No Credit.
This course is a general introduction to the chemistry behind environmental issues geared to the non-scientist. A primary goal is to prepare students to evaluate issues and opinions in light of known scientific and chemical principles. Students will be provided the tools needed to form reasonable and defensible positions on local, regional, and global problems. Laboratory demonstrations will be included.

CHEM 140
Criminalistics and Forensic Chemistry (5)
Prerequisite: Two semesters of high school science or prior permission of the instructor.
This course provides an overview of forensic science and criminalistics including history and the modern role of forensic science in the judicial system. For students majoring in chemistry/forensic science option, this is the first of three required forensic science courses. Topics covered include DNA typing, trace evidence analysis, firearms and tool marks, and impression evidence. 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 GECR for natural sciences, chemistry; counts as one course. The completion of chem 151 and 152 satisfies the GECR for natural sciences, chemistry; counts as two courses.]

Prerequisites: Two semesters of high school chemistry with grade of 2.0 or better or CHEM 100, MATH 104 for CHEM 151, CHEM 151 for CHEM 152, CHEM 152 for CHEM 153.
Stoichiometry, periodic table and chemical bonding, structure of matter, solutions, equilibrium, thermodynamics, oxidation and reduction, transition metal complexes, nuclear chemistry, kinetics, quantitative laboratory techniques.

CHEM 161
General Chemistry for the Health Sciences (5)
FALL/WINTER/SPRING
[satisfies the GECR for natural sciences, chemistry; counts as one course.]

Prerequisite: CHEM 100 or one year high school chemistry with a grade of 2.0 or better.
Inorganic chemistry designed for the allied health sciences.

CHEM 162
Organic Chemistry for the Health Sciences (5)
FALL/WINTER/SPRING
[the completion of chem 161 and 162 satisfies the GECR for natural sciences, chemistry; counts as two courses.]

Prerequisite: CHEM 161 with a grade of 2.0 or better.
Organic chemistry for the allied health sciences.

CHEM 163
Biochemistry for the Health Sciences (5)
FALL/WINTER/SPRING

Prerequisite: CHEM 162 with a grade of 2.0 or better.
Biochemistry for the allied health sciences.

CHEM 201
Classical and Modern Chemistry (5)
[satisfies the GECR for natural sciences, chemistry.]

Prerequisites: Sophomore standing or higher, basic skills clearance in mathematics, or prior permission of the instructor.
A course for the non-major in the foundations of chemistry integrating atomic theory and structure, periodicity, chemical bonding, states and properties of matter, chemical reactions and energy considerations. 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 with GPA 2.00 or better.
Introduction to environmental chemistry covering both fundamental chemical principles and societal implications. Emphasis will be placed on local issues such as Hanford and the environmental impact of mining.

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 324
Chemical Principles Relating to Safety (5)
Prerequisites: CHEM 161, 162.
Principles of chemistry relating to understanding safety problems and handling of hazardous materials.

CHEM 325
Fundamentals of Industrial Hygiene (4)
Prerequisites: CHEM 324, PHYS 131 or 151.
An introduction to industrial hygiene. Designed to meet the needs of the occupational safety and health major, the course deals with particulates, toxicological agents, radiation hazards, ventilation, and monitoring methods and instruments.

CHEM 330
Fundamentals of Organic Chemistry (6)
May not be used as a prerequisite for CHEM 353 nor as part of the chemistry major. This course is not designed to meet the prerequisite requirements for post-baccalaureate courses. Prerequisite: CHEM 153.
Supporting course for select biology programs and an alternate core course for chemistry minors. Structure and reactivity of organic compounds with an emphasis on organic reactions of biochemical interest. Includes synthesis, reaction mechanisms, isomerism, catalysis, biologically important macromolecules, and stereochemistry.

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.
Primarily intended for the nursing or health science student, this course presents 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)
SPRING
Prerequisite: CHEM 352.
A comprehensive study of the chemistry of polyfunctional carbon compounds.

CHEM 355
Biochemistry of Alcoholism (2)
Graded Pass/No Credit.
Prerequisite: CHEM 163 or equivalent.
Primarily intended for the health or medical science student. Presents a comparison of intermediary metabolism in the normal versus alcoholic individual and describes hepatic toxicity in the chronic abuse situation.

CHEM 357
Neuropharmacology (2)
SPRING
Prerequisites: CHEM 163 and BIOL 233 or equivalent.
Primarily intended for the health or medical science student. Topics covered include CNS neurotransmitters and their pharmacology, various biochemical hypotheses for mental disease, and the pharmacology of a variety of psychoactive drug classes of use or abuse.

CHEM 362
Organic Chemistry Laboratory (2)
Graded Pass/No Credit.
Not for chemistry majors. Prerequisite: CHEM 351.
Introduction to the elementary techniques of the organic laboratory; application of chromatography, spectrometry, and synthesis.

CHEM 372
Organic Chemistry Laboratory (3)
WINTER/SPRING
Prerequisite: CHEM 351.
Introduction to the elementary techniques of the organic laboratory; application of chromatography, spectrometry, and synthesis.

CHEM 373
Advanced Chemical Synthesis and Techniques (3)
SPRING
Prerequisites: CHEM 352 and 372.
Organic chemistry laboratory emphasizing spectrometry, synthesis, structure determination and advanced techniques in isolation, purification and analysis.

CHEM 390
Chemistry Methods for the Secondary School (3)
FALL
Prerequisite: Background appropriate to the course, as determined by the department advisor.
For chemistry majors planning to teach in the secondary schools. Includes organization of lesson materials and techniques, and evaluation.

CHEM 395
Internships (1-10)
FALL/WINTER/SPRING
Prerequisite: Prior permission of the instructor.

CHEM 397
Workshops, Short Courses, Conferences (1-10)

CHEM 399
Directed Study (1-10)
FALL/WINTER/SPRING
Prerequisite: Prior permission of the instructor.
Library or laboratory study of a chemical problem.

CHEM 410
Organic Qualitative Analysis (3)
Prerequisite: CHEM 352.
The analysis of organic compounds and the methods of separating simple mixtures.

CHEM 416
Advanced Environmental Chemistry (3)
Prerequisites: CHEM 304, 316, and 352 (or concurrent), or prior permission of the instructor.
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. Each student will concentrate in the area of their particular interest, leading to a comprehensive written research report and presentation.

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 422.
Ionic, covalent and metallic bonding; complexes, acids and bases, molecular structure, symmetry thermodynamics of inorganic reactions; introductions to rates and mechanisms of inorganic reactions; chemistry of selected groups of elements.

CHEM 420
Instrumental Analysis (5)
SPRING
Prerequisites: Concurrent enrollment in CHEM 422; PHYS 133, or 153 or prior permission of the instructor.
Instrumental methods of analysis.

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. Completion of CSCD 225, 230, or 255 is recommended.
Data treatment, current physicochemical techniques, computer applications to chemical systems.

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 Science (5)
Prerequisites: CHEM 140, 304, 352, and 372; BIOL 173 and 270; PHYS 133 or 153. In addition, instructor permission is required.
Detailed investigation of current topics in forensic chemistry and forensic science, including lab.

CHEM 450
Advanced Forensic Chemistry (5)
Prerequisites: CHEM 304, 352 and 372; BIOL 173 and 270; PHYS 133 or 153; CHEM 140.
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, quality assurance, courtroom testimony, laboratory accreditation, and analyst certification will be discussed.

CHEM 452
Biochemical Laboratory Methods (3)
Prerequisites: CHEM 304, 480.
Introduction to standard biochemical separatory and analytical techniques.

CHEM 453
Clinical Biochemistry Laboratory Methods (3)
Prerequisites: CHEM 304, 480 or concurrent enrollment thereof.
The theory and experimental use of the major analytical techniques utilized in clinical biochemistry, such as: enzyme-based spectrometric assays, electrophoresis, ion-selective electrodes, immunochemical assays and drug monitoring methods. This course is designed for medical technology and biochemistry majors and others involved in the medical field.

CHEM 454
Clinical Chemistry (4)
WINTER
Prerequisites: CHEM 352 or 330 and 304.
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. Intended for medical technology and chemistry majors and students with interests in medical sciences.

CHEM 460
Chemical Pharmacology (5)
Prerequisites: CHEM 352, 480 or BIOL 473 or concurrent enrollment.
Primarily intended for students with interests in medical science. Study of the chemical mechanisms for pharmacological action.

CHEM 465
Advanced Organic Chemistry (2)

Prerequisites: CHEM 353 and 421 or prior permission of the instructor.
An in-depth study of (1) the structural analytical technique for organic compounds, and (2) the mechanisms of organic reactions *in vitro* and *in vivo*. Topics covered include UV, IR, NMR and mass spectrometry, chromatography, stereochemistry, kinetics, structure activity relationships and electron flow in organic and biochemical reactions.

CHEM 466
Structural Analytical Techniques in Organic Chemistry (2)

Prerequisites: CHEM 353 and 421 or prior permission of the instructor.
An in-depth study of modern analytical techniques used in the structural analysis of organic compounds. The course will comprise both theory and practical experience with the instruments. Topics covered include UV, IR, NMR, mass spectrometry, and chromatography.

CHEM 470
Introduction to Research Methods (2)

Procedures for efficient literature searches and subsequent organization of information and material for oral or written presentation.

CHEM 480
Biochemistry (5)

FALL/SPRING

Prerequisite: CHEM 352 or CHEM 330.
Elements of biochemistry; 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)

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)

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 492
Modern Research Strategies I (2)

Prerequisites: CHEM 421 and 431 or current enrollment or by permission of the instructor.
Directed research on a chemical problem and procedures for searching conventional and computerized literature sources.

CHEM 493
Modern Research Strategies II (2)

Prerequisite: CHEM 492.
Directed research on a chemical problem and organization of the resulting information for an oral and written presentation.

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: CHEM 470.
Oral presentation of a chemical topic.

CHEM 499
Directed Study (1-10)

FALL/WINTER/SPRING

Prerequisite: CHEM 470.
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. Radovanev, R. Trejo

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 which 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 coursework. 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 Studies Minor (25 credits)

The minor in Chicano 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 required credits ***25 credits***
Total credits for above Major ***25 credits***

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.]
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 U.S., 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 will offer students an overview of the historical development and current trends in Chicano Literature. The course will focus on the literary forms of poetry, novel, and the short story. The class will give 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

College of Education and Human Development
Fran Sherwood
313C Williamson Hall
(509) 359-6192
Frances.Sherwood@mail.ewu.edu

B.A., B.A.E.

UNDERGRADUATE PROGRAMS

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

Bachelor of Arts (B.A.) for Children's Studies

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)
SOCI 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)
SOCI 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 B.A.: A, B, or C (21-24 credits)

Note: *Both the B.A. degree (Options A, B, and C) and the B.A.E. 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)
SOCI 357 A Methodology for Social Research (5)
Statistics: 4 credits
CEDP 323 Psychological and Behavioral Assessment (4)
Analysis of Data: 5 credits
SOCI 490 Senior Capstone: Advanced Research Applications (5)
or CEDP 492 Field Study in Child Issues and Problems (5)

Electives
EDUC 455 Perspectives of Early Childhood Education (3)
CEDP 324 Human Learning (4) **and** CEDP 325 Lab in Human Learning (1)
COMD 331 Language Development (4)
SOCI 370 Sociology of the Family (5)

Total required core credits	***23 credits***
Total required credits	***18 credits***
Minimum total elective credits	***3 - 5 credits***
Minimum total credits for above Major	***44 - 46 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 flexibility work with children in social service agencies and other child focused programs.

Required Courses

CEDP 324 Human Learning (4) **and** CEDP 325 Lab in Human Learning (1)
CEDP 402 Applied Learning Theory (4)
SOCI 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)

Total required core credits	***23 credits***
Total required credits	***14 credits***
Minimum total elective credits	***8 - 10 credits***
Minimum total credits for above Major	***45 - 47 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 457 Collaborative Reflective Teaching in ECE (3)
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)
SOCI 370 Sociology of the Family (5)

Total required core credits	***23 credits***
Total required credits	***14 credits***
Minimum total elective credits	***8 - 10 credits***
Minimum total credits for above Major	***45 - 47 credits***

Note*: The above option requires the completion of a minor.*

Bachelor of Arts in Education (B.A.E.) for Children's Studies

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 B.A.: Options A, B, and C, and the B.A.E. 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.

Children's Studies Major with Early Childhood Education Option (44 - 45 credits)

The B.A.E. 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 B.A.E. Option courses (44-45 credits) will satisfy the requirements for a teaching endorsement in Early Childhood Education.

Note: *Students choosing the B.A.E. 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)
SOCI 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)
SOCI 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)
SOCI 370 Sociology of the Family (5)
Other courses approved by the Program Director of Children's Studies

Total required core credits	***23 credits***
Total required credits	***17 credits***
Minimum total elective credits	***4 - 5 credits***
Minimum total credits for above Major	***44 - 45 credits***

Professional Education Requirements/ Elementary Education: 111-115 credits

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

Total credits for above Major & Professional Education	***155 - 160 credits***

Note*: The above option requires the completion of a minor.*

CHINESE

See MODERN LANGUAGES AND LITERATURES AND PHILOSOPHY.

COLLEGE INSTRUCTION

College Education and Human Development
Elaine Ackerman, Program Advisor
312D Williamson Hall
(509) 359-2831

Elaine.Ackerman@mail.ewu.edu

M.A., M.S.

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

Coursework 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)
Coursework in academic disciplines and supportive courses (40)

Total required coursework 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 M.A. or M.S. 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

Elaine Ackerman
312D Williamson Hall
(509) 359-2831

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.

Total required mathematic credits	***16 credits***
Total required mathematic graduate core credits	***8 credits***
Total mathematic elective credits	***10 credits***
Total required college instruction core credits	***26 credits***
Minimum total required research project credits	***6 - 9 credits***
Minimum total credits for above Master's Degree	***66 credits***

College Instruction Program/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)
Coursework 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 Advanced Measurement and Evaluation in Health and 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)
Coursework in supportive courses

Total required college instruction credits	***26 credits***
Minimum total physical education credits	***27 - 30 credits***
Minimum total required supportive credits	***13 - 16 credits***
Minimum total credits for Master's Degree	***66 credits***

All general requirements for the M.S. in Physical Education apply. See the information in the catalog under Physical Education, Health and Recreation.

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, Math and Technology
Donald Fuller, Chair
108 Communication Building
(509) 359-6623

B.A.
Minor
M.S.
Faculty: P. Hendryx-Bedalov, D. Fuller, R. Jackson, D. Nicholas, B. Peregoy, J. Pimentel

WSU/Adjunct Faculty: S. Bassett, C. Madison, G. Chermak, L. Power, E. Inglebret, J. Johnson, T. Paslawski, L. Vogel

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 diagnosed with deafness and other less severe hearing losses. As well, they work with a number of other auditory processing problems and dysfunctions related to hearing and balance.

The department has a strong clinical orientation and 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 diagnostically assess and offer 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 reserved for the graduate level. The baccalaureate degree is considered to be preprofessional; the master's degree is required for certification at state and national levels. Those 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. Employment opportunities include those in clinics, hospitals, private practice, and community agencies. The majority of the positions, however, are in the public schools and the placement outlook remains good.

The Department of Communication Disorders is located currently in the Communication building on the EWU Cheney campus, although most supervised/guided observational experiences and graduate classes will be conducted at the Riverpoint Health Sciences Campus located in Spokane. Clinical practica are conducted at the University Programs in Communication Disorders Hearing and Speech Clinic in Spokane and in numerous off-campus sites in the area. The program is accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association.

Admission Information for High School Students: No specific courses are required. High school students may find it useful to take typing or computer coursework, four years of English, and available speech and science courses.

General Admissions Requirements for All Students: A minimum grade point average of 2.75 is required for admission and retention to the program. Students 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 GECRs and begin with those courses offered by other departments in support of the major prior to enrollment in the major's required Communication Disorders courses.

In general preparation for the major, students should emphasize coursework in the biological or physical sciences and mathematics and coursework in the behavioral or social sciences. Education, human development, linguistics, English, reading and early childhood education courses are also very applicable to the major as background knowledge for the major.

Admissions Information for Transfer Students: Transfer students should satisfy the GECRs and consult with department faculty to plan their program. A direct transfer Associate's Degree option is available through the University.

Foreign Language Requirement for Communication Disorders: A foreign language is required by Eastern Washington University for a Bachelor of Arts (B.A.) major. 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 is an excellent option for the major.

Certification Information for Communication Disorders: Completion of the undergraduate curriculum and the Master of Science degree satisfies the requirements for the Certificate of Clinical Competence (CCC) issued by the American Speech-Language-Hearing Association.

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

Bachelor of Arts (B.A.) in Communication Disorders

Communication Disorders Major (85 - 92 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 (5)
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 & 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
CMST 300 Public Speaking (5)
MATH 380 Elementary Probability and Statistics (5)
or Any Statistics (3-5)

Exceptionality: Select one course 3-5 credits
COMD 456 Fluency Disorders (4)
COMD 459 Communication Problems in Developmental Disability (4)
CEDP 363 Introduction to Special Education (4)
CEDP 460 Special Education Methods (4)
PSYC 302 Abnormal Psychology (5)

Language, Mind and Society: Select one course 3-5 credits
COMD 407/ENGL 461 Survey of Psycholinguistics (3)
ANTH 445 Anthropological Linguistics (5)
ANTH 446 Sociolinguistics (3)
CEDP 315 Psychology of Human Relations (4)
CEDP 324 Human Learning (4)
ENGL 459 Grammar for Education (5)
ENGL 462 Topics in Sociolinguistics (5)
PSYC 316 Human Memory and Cognition (5)

Human Development: Select one course 4 credits
CEDP 313 Child and Adolescent Development (4)
CEDP 314 Adult Development (4)
CEDP 320 Developmental Theories and Applications (4)
CEDP 476 Child and Family Guidance (4)

Total required credits	***67 credits***
Minimum total required supporting credits	***18 - 25 credits***
Minimum total credits for above Major	***85 - 92 credits***

Minor

Communication Disorders Minor (22 - 25 credits)

Required Courses

COMD 201 Disability and Communication Diversity: A Communication Disorders Perspective (4)
or COMD 301 Introduction to Communication Disorders (5)
and COMD 331 Language Development (4)
COMD 371 Aural Anatomy and Pathology (4)
Select 3 additional courses* in Communication Disorders

Minimum total required credits	***12 - 13 credits***
Minimum total additional credits	***10 - 12 credits***
Minimum total credits for above Minor	***22 - 25 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 required credits	***20 credits***
Total credits for above Certification	***20 credits***

GRADUATE PROGRAM

Master of Science

Roberta Jackson, Program Advisor
111 Communication Building, Cheney
or 125J Health Science Building, Spokane
(509) 359-6801/(509) 358-7584

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 has met all requirements for certification with the exception of the Clinical Fellowship year.

The curriculum includes exposure to science and research areas as well as to clinical disorders and related practice. This curriculum is part of a cooperative program between Washington State University and Eastern Washington University in Spokane, the University Programs in Communication Disorders (UPCD).

Admission Requirements/Preparation

Admission to the degree program includes the requirements of the graduate school as well as the GRE general test, recommendations, a statement from the applicant outlining professional interest and intent, and an application fee. All application materials must be received by February 1. 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.

The course selection made by the student and a departmental faculty advisor can be individually tailored to the student's professional goals. The course selection is guided by the academic requirements for the Certificate of Clinical Competence set forth by the American Speech-Language-Hearing Association (ASHA).

Although not specifically an academic requirement, according to the new ASHA standards, it is expected that candidates for the 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 M.S. degree and clinical experience qualifies a student for Washington State licensure in Speech-Language Pathology and makes him/her eligible for the Certificate of Clinical Competence (CCC) ASHA, after completion of a Clinical Fellowship Year and a national PRAXIS examination.

Students who intend to be employed in the schools 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 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 who wish to take additional internships may exercise the variable credit option.

Non-Thesis Option

Total required core credits	***18 credits***
Total elective credits	***40 credits***
Total 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 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 12 credits

Students are required to complete one internship; those who wish to take additional internships may exercise the variable credit option.

Thesis Option

Total required core credits	***18 credits***
Total elective credits	***40 credits***
Total practicum credits	***21 credits***
Total credits for above Thesis Option	***79 credits***

Oral Project Defense

The student must complete a research project involving data collection and statistical analysis. Within the first year of the two-year graduate program the student selects a topic, 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), writes a project proposal, submits the required EWU institutional review board form and conducts 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 has been assigned by the Graduate Studies Office for the oral examination. Defense of the project is typically scheduled for one hour.

In the 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 one of the EWU committee members to chair the comprehensive oral examination. One of the three project committee members is designated as a non-voting member of the comprehensive oral exam.

After completion of the project defense, a committee decision is made as to whether the project is complete; and, if not, what additional work must be submitted and whether another defense will be necessary. If the project is determined 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.

Oral Comprehensive Examination

In addition to the project defense, one hour is assigned for 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 ability to converse in his/her discipline to the satisfaction of the committee. If not, a re-examination is recommended and is scheduled for a later date at the discretion of the committee and the student. Redefense of the project is not a part of the re-examination.

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 (5)
FALL
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 (1-4)
WINTER/SPRING
Faculty-directed observation of speech, language, and hearing assessment and intervention.

COMD 320
Speech and Hearing Science (4)
SPRING
Prerequisites: Completion of Natural Science GECRs or permission of the instructor.
Study of acoustics and psychoacoustics of speech and hearing.

COMD 321
Anatomy and Physiology of Speech (5)
WINTER
Prerequisites: COMD 301 or concurrent enrollment; completion of Natural Science GECRs 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
Prerequisites: 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 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, finger-spelling and sentence structure are developed.

COMD 377
Sign Language II (3)
FALL/WINTER
Prerequisite: Sign Language I or prior 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.

COMD 378
Sign Language III (3)
WINTER/SPRING/
Prerequisites: COMD 376, 377 or prior 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.

COMD 405
Communication Disorders Services in the Schools (4)
Prerequisites: Prior 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 prior 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 the individual students' thinking on these issues by providing the opportunity to apply their ideas in developing marketing materials and providing in-services to the community given a case study.

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: Prior 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 prior 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 prior 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)
Prerequisites: Graduate standing or prior 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 prior 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 prior 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 prior permission of the instructor.
Advanced studies 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 prior 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 prior 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)
Prerequisites: Graduate standing or prior 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 prior permission of the instructor.
Etiology and characteristics of disorders of the laryngeal and resonance systems. Assessment and treatment of loudness, pitch, vocal and resonance problems.

COMD 554
Motor Speech Disorders (3)
Prerequisite: Graduate standing or prior 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-
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COMD 556
Problems in Stuttering (3)

Prerequisite: Graduate standing or prior 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 prior 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 prior 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 medical team; report writing, charting and third party reimbursement.

COMD 571
Auditory Perception (4)

Prerequisite: Graduate standing or prior permission of the instructor.
Psychoacoustic and psychophysiologic basis of auditory perceptual relationship between language and auditory processing.

COMD 572
Advanced Audiometric Procedures (4)

Prerequisites: Graduate standing or prior 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 prior 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)

Prerequisites: Graduate standing and prior permission of the instructor.
A capstone course that is designed to help the student organize information from prior coursework 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 prior 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: Prior permission of the instructor.
Independent study projects 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 prior 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: Prior 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: Prior 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 M.S. program and will be required for those individuals seeking the Clinical Fellowship Year (CFY) through the American Speech-Language-Hearing Association when sponsorship is provided by an Eastern faculty member.

COMMUNICATION STUDIES

College of Social and Behavioral Sciences
Susan Stearns, Chair
229 Communications Building (Cheney)
(509) 359-2313 (Cheney)
215 Spokane Center (Spokane)
(509) 623-4395 (Spokane)

B.A., B.S.
Minor
M.S.
Faculty: P. Chantrill, D. Cornelius, S. Hering, E. Kissling, I. Klyukanov, G. Krug, J. Ratliff, G. Sinekopova, J. Stafford, S. Stearns

UNDERGRADUATE PROGRAMS

- Communication Studies focuses on the theory and practice of social interaction: how, why, and with what consequences people communicate.
- Communication Studies is a humanistic and social scientific field of study, research, and application. This discipline currently draws upon its historical roots in Greek rhetorical traditions as well as its new branches in public relations and technology and computer-mediated communication.

The Department of Communication Studies is directed by an interdisciplinary team of scholars and practitioners who are active in research, publication, and consulting. Specialties of the faculty include: human information processing, interpersonal communication, inter-cultural communication, organizational communication, rhetorical studies, semiotics, cultural studies, language studies, cognitive studies, decision-making, and research methods.

Theory and practice are developed through:

- examination of modes and technologies of communication (written, spoken, nonverbal, computer-mediated);
- contexts and settings (cultures, organizations, groups, relationships);
- effects (how communication shapes individuals, groups, and societies); and
- application to real-life experiences.

General Admissions Requirements for Communication Studies: Due to limited space, equipment and faculty, the Department of Communication Studies must exercise control over the demands placed upon it. Therefore, admission to major programs within the department will be granted according to the policy stated below. Any student meeting the pre-selection requirements may apply and will be admitted at the discretion of the department.

Preselection Requirements

A. Completion of admittance to the university;

B. An overall university grade point average of 2.50 based on a minimum of 45 credit hours;

C. Declaration as a pre-communication major (PCOM)

To Declare as Pre-Communication Major:

A. Bring advising file from General Undergraduate Academic Advising (third floor, Sutton Hall, 359-2345) or if changing majors from the current major department to the Communications Department.

B. Meet with departmental advisor.

To Become a Major:

A. Students must have passed the following courses with a grade of 2.7 of better:

CMST 300 Public Speaking (5)

CMST 309 Communication and Information (5)

CMST 383 Communication Assessment (1) Note: Based on assessment evaluation, additional courses may be required for admission or students may be denied admission. CMST 383 is graded P/NC only.

1. Passing grades, under the pass/no credit option, for 300 and 309 courses will not be accepted and the student will be required to repeat such courses for a numeric grade.
2. Transfer courses must be numerically equivalent; for example, a 100-level course cannot be substituted for a 300-level course.
3. At least one of the above courses must be taken in the Eastern Washington University Communication Studies Department.

B. Students eligible for admission to the department as a major will be notified in the quarter after completion of required courses.

C. Openings will be filled on a competitive basis. The number of openings available at any one time will depend on the facilities and faculty available.

D. It is the student's responsibility to confirm their admission to the program.

Grade requirements for majors and minors graduating with any of the baccalaureate Communication Studies degrees are:

1. Minimum of 2.0 in each course applied toward major, including required courses.
2. Minimum overall GPA of 2.25 in major. Students with a minor in Communication Studies must maintain a minimum grade point average of 2.00 in each course applied toward the minor.

General Degree Completion Requirements for Communication Studies:
2.0 in each course
2.25 cumulative average

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

Bachelor of Arts (B.A.) In Communication Studies

The Bachelor of Arts degree offers major options in General Communication, Interpersonal Communication, and Public Communication (Rhetoric). Graduates with the B.A. degree typically obtain employment in sales, promotion, management, human services and law. Graduates also are academically prepared for post-baccalaureate studies in communication or related fields. A minor is required for the B.A. in Communication Studies.

Communication Studies Major with General Communication Option (56 credits)

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

Core Courses
CMST 300 Public Speaking (5)
CMST 309 Communication and Information (5)
CMST 310 Interpersonal Communication (5)
or CMST 350 Small Group Communication (5)
CMST 383 Communication Assessment (1)
CMST 490 Senior Capstone Seminar: Communications Studies (5)

Electives (Choice of SEVEN) (No fewer than THREE 400-level classes are required)
CMST 301 Political Communication (5)
CMST 310 Interpersonal Communication (5)
CMST 312 Nonverbal Communication (5)
CMST 331 Interviewing (5)
CMST 340 Intercultural Communication (5)
CMST 350 Small Group Communication (5)
CMST 351 Communicative Reasoning (5)
CMST 400 Message Design (5)
CMST 401 Speech Criticism (5)
CMST 402 Rhetorical and Communication Theory (5)
CMST 403 Persuasion (5)
CMST 410 Language and Social Interaction (5)
CMST 413 Communication and Personal Relationships (5)
CMST 414 Gender and Communication (5)

CMST 430 Communication in Organizations (5)
CMST 435 Communication in Leadership (5)
CMST 440 International Communication (5)
CMST 470 Research Methods in Communication (5)
CMST 497 Workshop in Communication Studies (2-5)
CMST 498 Seminar in Communication Studies (with permission of advisor) (2-5)
CMST 499 Special Studies in Communication Studies (with permission of advisor) (2-5)

Total core credits	***21 credits***
Total elective credits	***35 credits***
Total credits for above Major	***56 credits***

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

Communication Studies Major with Interpersonal Communication Option (56 credits)

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

Core Courses
CMST 300 Public Speaking (5)
CMST 309 Communication and Information (5)
CMST 383 Communication Assessment (1)
CMST 490 Senior Capstone Seminar: Communication Studies (5)

Required Courses
CMST 310 Interpersonal Communication (5)
CMST 312 Nonverbal Communication (5)
CMST 350 Small Group Communication (5)
CMST 410 Language and Social Interaction (5)
CMST 413 Communication and Personal Relationships (5)

Electives (Choice of THREE)
CMST 301 Political Communication (5)
CMST 331 Interviewing (5)
CMST 340 Intercultural Communication (5)
CMST 351 Communicative Reasoning (5)
CMST 400 Message Design (5)
CMST 401 Speech Criticism (5)
CMST 402 Rhetorical and Communication Theory (5)
CMST 403 Persuasion (5)
CMST 414 Gender and Communication (5)
CMST 430 Communication in Organizations (5)
CMST 435 Communication in Leadership (5)
CMST 440 International Communication (5)
CMST 470 Research Methods in Communication (5)
CMST 497 Workshop in Communication Studies (2-5)
CMST 498 Seminar in Communication Studies (with permission of advisor) (2-5)
CMST 499 Special Studies in Communication Studies (with permission of advisor) (2-5)

Total core credits	***16 credits***
Total required credits	***25 credits***
Total elective credits	***15 credits***
Total credits for above Major	***56 credits***

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

Communication Studies Major with Public Communication (Rhetoric) Option (56 credits)

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

Core Courses
CMST 300 Public Speaking (5)
CMST 309 Communication and Information (5)
CMST 383 Communication Assessment (1)
CMST 490 Senior Capstone Seminar: Communication Studies (5)

Required Courses
CMST 310 Interpersonal Communication (5)
or CMST 350 Small Group Communication (5)
CMST 351 Communicative Reasoning (5)
CMST 400 Message Design (5)
CMST 403 Persuasion (5)
Plus ONE of the following:
CMST 301 Political Communication (5)
CMST 401 Speech Criticism (5)
CMST 402 Rhetorical and Communication Theory (5)

Electives Choice of THREE
CMST 301 Political Communication (5)
CMST 310 Interpersonal Communication (5)
CMST 312 Nonverbal Communication (5)
CMST 331 Interviewing (5)
CMST 340 Intercultural Communication (5)
CMST 350 Small Group Communication (5)
CMST 401 Speech Criticism (5)
CMST 402 Rhetorical and Communication Theory (5)
CMST 410 Language and Social Interaction (5)
CMST 413 Communication and Personal Relationships (5)
CMST 414 Gender and Communication (5)
CMST 430 Communication in Organizations (5)
CMST 435 Communication in Leadership (5)
CMST 440 International Communication (5)
CMST 470 Research Methods in Communication (5)
CMST 497 Workshop in Communication Studies (2-5)
CMST 498 Seminar in Communication Studies (with permission of advisor) (2-5)
CMST 499 Special Studies in Communication Studies (with permission of advisor) (2-5)

Total core credits	***16 credits***
Total required credits	***25 credits***
Total elective credits	***15 credits***
Total credits for above Major	***56 credits***

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

Bachelor of Science (B.S.) in Communication Studies

The Bachelor of Science in Communication is offered as an interdisciplinary degree. There are two optional tracks: Organizational Communication or Public Relations. Only one track can be selected. Majors are expected to complete an internship during the senior year. This supervised practical experience may be in any area of student interest, including: business/professional and non-profit organizations.

Required Communication Studies Core

CMST 300 Public Speaking (5)
CMST 309 Communication and Information (5)
CMST 310 Interpersonal Communication (5)
or CMST 350 Small Group Communication (5)
CMST 383 Communication Assessment (1)
CMST 490 Senior Capstone Seminar: Communication Studies (5)

Total required core credits	***21 credits***

Communication Studies Major with Organizational Communication Option (65 - 67 credits)

Communication Studies Core

Required Courses
CMST 331 Interviewing (5)
CMST 430 Communication in Organizations (5)
CMST 435 Communication in Leadership (5)
CMST 470 Research Methods in Communication (5)
CMST 481 Internship Workshop (2)
CMST 495 Internship (5)
Plus TWO of the following: 9-10 credits
CMST 340 Intercultural Communication (5)
CMST 351 Communicative Reasoning (5)
CMST 403 Persuasion (5)
CMST 413 Communication and Personal Relationships (5)
CMST 414 Gender and Communication (5)
CMST 440 International Communication (5)
CMST 497 Workshop in Communication Studies (2-5)
CMST 498 Seminar in Communication Studies (with permission of advisor) (2-5)
CMST 499 Special Studies in Communication Studies (with permission of advisor) (2-5)
JRNM 451 Introduction to Public Relations Theory (4)
Plus ONE of the following: 4-5 credits
BUED 302 Business Communication (4)
ENGL 205 Introduction to Technical Writing (5)
Plus ONE of the following: 4 credits
TECH 265 Graphic Communication (4)
TECH 360 Desktop Publishing (4)

Total required core credits	***21 credits***
Minimum total required credits	***44 - 46 credits***
Minimum total credits for above Major	***65 - 67 credits***

Note*: A minor is recommended for the above major.*

Communication Studies Major with Public Relations Option (60 credits)

Communication Studies Core

Required Courses

CMST 430 Communication in Organizations (5)
CMST 470 Research Methods in Communication (5)
CMST 481 Internship Workshop (2)
CMST 495 Internship (5)
JRNM 330 Mass News Media (5)
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)

Total required core credits	***21 credits***
Total required credits	***39 credits***
Total credits for above Major	***60 credits***

***Note**: A minor is recommended for the above major.*

Minor

Communication Studies Minor (20 credits)

Required Courses (Choose FOUR courses from the list below.) Courses should be chosen in consultation with an advisor, with a minimum of one course at the 400-level.

Select from the following (choose four):

CMST 200 Introduction to Speech Communication (4)
CMST 300 Public Speaking (5)
CMST 309 Communication and Information (5)
CMST 312 Nonverbal Communication (5)
CMST 331 Interviewing (5)
CMST 340 Intercultural Communication (5)
CMST 350 Small Group Communication (5)
CMST 351 Communicative Reasoning (5)
CMST 400 Message Design (5)
CMST 401 Speech Criticism (5)
CMST 402 Rhetorical and Communication Theory (5)
CMST 403 Persuasion (5)
CMST 410 Language and Social Interaction (5)
CMST 413 Communication and Personal Relationships (5)
CMST 414 Gender and Communication (5)
CMST 430 Communication in Organizations (5)
CMST 435 Communication in Leadership (5)
CMST 440 International Communication (5)
CMST 470 Research Methods in Communication (5)
CMST 498 Seminar in Communication Studies (2-5)

Total required credits	***20 credits***
Total credits for above minor	***20 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 M.S. in Communications program is also described below. Proposed individualized interdisciplinary programs should be developed in consultation with a Communication Studies graduate advisor (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 Technology and Multimedia 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 435 Communication in Leadership (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)
BADM 551 The Human Dynamics of Organizations: Managing and Leading (4)
JRNM 451 Intro 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 (4)
PADM 517 Professional Employment (2)
PADM 525 Public Sector Grants-Writing and Administration (4)
PADM 571 The Political Executive (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)

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 CPLA 504 Information Systems-Computers (4)
or CMST 504 Communication Systems (4)

Electives:
CMST 539 Special Topics (1-5)
CMST 569 Thesis Preparation (1)
CMST 598 Communication Seminar (1-5)
TECH 550 Computer Graphics (4)
TECH 596 Electronic Publishing (4)
TECH 443 Advertising Design (4)
TECH 599 Ind. Study: Advanced Web Design (4)
ENGL 503 Information Design (5)
ENGL 504 Software Documentation (5)
ENGL 556 Computers and Composition (5)
CSCD 539 Topics in Computer Science: Multimedia Techniques (4)
CSCD 498 Seminar/CSCD539 Special Topics in Computer Science (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)
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)
COIN 571 Survey of Post-Secondary Education (4)
COIN 572 Strategies for Teaching Adults (4)
CSED 590 Readings in Technology-Supported Education (1-2)
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)

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 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 573 History of Rhetoric (5)
CMST 414 Gender and Communication (5)
CMST 440 International Communication (5)
CMST 455 Negotiation Skills and Strategies (4)
ENGL 555 Contemporary Composition Theory (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.

Total required core credits	***28 credits***
Total interdisciplinary component credits	***30 credits***
Minimum research component	***2-6 credits***
Minimum total credits for above Master's Degree	***60 credits***

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 300
Public Speaking (5)
FALL/WINTER/SPRING/SUMMER
Study of the basic principles of public communication. Junior level course in design, delivery, organization, and presentation of speeches for public groups. Emphasis on informative and persuasive speeches, message delivery, and presentation/visual aids.

CMST 301
Political Communication (5)
How Americans use oral and televisual 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 310
Interpersonal Communication (5)
WINTER/SPRING
Explores the human communication process as it occurs between individuals, including 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 312
Nonverbal Communication (5)
FALL/SPRING
Studies the other-than-words side of human interaction within different cultures, genders, relationships, and situations. Factors include body movement, physical appearance, the environment; and the use of voice, touch, and physical distances in regards to their communication potential. Additionally, there will be an emphasis on the basic theories of nonverbal communication and the interaction between nonverbal and verbal communication.

CMST 326
Forensics (1-3)
May be repeated for a total of 9 credits.
Competitive intercollegiate and public debate, oratory, discussion, after-dinner speaking, extemporaneous speaking.

CMST 331
Interviewing (5)
FALL/WINTER/SPRING
This course is an introduction to the principles of interviewing theory and practice. It is considered to be the first course in the B.S. in Organizational Communication major. 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 350
Small Group Communication (5)
FALL/WINTER
Its application to various task oriented groups. Emphasizes problem-solving communication and participant-leadership skills.

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 401
Speech Criticism (5)
Methods of analysis, interpretation, and evaluation of oral discourse.

CMST 402
Rhetorical and Communication Theory (5)
Survey of historical and contemporary theories of oral communication.

CMST 403
Persuasion (5)
Interaction of source, message, and receivers in effect-centered oral communication. Stresses preparation of persuasive messages, promotions, and campaigns.

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 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 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 435
Communication in Leadership (5)
WINTER
An understanding of leadership in an organizational setting. Includes current theories, skills training, and readings in the knowledge and techniques of leadership. Designed to be both a theory and an application course with emphasis on improving personal effectiveness in leadership communication.

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 455
Negotiation Skills and Strategies (4)
The application of face-to-face negotiating skills and strategies across personal and professional settings using the generic communication principles of listening, questioning, thinking/reasoning, speaking, responding, and observing. Emphasizes the preferred negotiation outcome of mutual, win/win agreement with compromise as a backup. Course does not include collective bargaining, mediation or large group-to-large group negotiations.

CMST 470
Research Methods in Communication (5)
WINTER/SPRING
This is a survey to research in speech communication, designed for seniors and beginning graduate students. Course introduces (1) the characteristics of empirical research, (2) the role of empirical research in the communication discipline, (3) quantitative research methods, (4) qualitative research methods, (5) how to read research reports, and (6) the assumptions of scientific arguments.

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, prior 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 apologia, 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 coursework.
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

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B.A., B.S.
Minors
M.Ed., M.S.
Faculty: D. Bickerstaff, T. Capaul, R. W. Clark, R. Hamel, K. Imamura, A. Inoue, L. Kieffer, R. Lemelin, R. Pickett, J. Putnam, T. Rolfe, R. Sevenich, J. Shovic, S. Simmons, R. Steele, S. Steiner

Part-Time/Adjunct Faculty: T. Rigles, 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 which 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:

Multimedia Lab: This lab is equipped with a variety of equipment and software allowing students to develop professional quality multimedia products.

Classroom Lab: Computer Science and Computer Literacy courses requiring hands-on computer use are scheduled in this classroom lab configured with Windows and Linux operating systems, supporting a wide range of applications as required by the courses.

"Mini" Lab: Students in Computer Science have access to a compact Windows lab, staffed by student tutors during peak hours of the day. They find the interaction with other students and tutors to be instructive when preparing for their challenging courses.

Systems Development Lab: This lab is equipped with parallel and distributed computing systems operating under Linux and connected over an exceptionally high bandwidth network for distributed computing, imaging and cyber security. The lab also contains systems for the support of computer and chip architecture courses and projects.

Software Engineering Lab at SIRTI (Spokane Intercollegiate Research and Technology Institute) - Eastern is a part of SIRTI which is located in downtown Spokane. The software engineering lab includes a heterogeneous network of Linux and Windows machines of various architectures; parallel processing machines and configurations; multimedia machines; and a complement of standard and more esoteric software and peripherals. The hardware and software configuration of this facility is routinely updated to provide both current, up-to-date capabilities as well as a selection from "cutting edge" technology.

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.

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 or department chair.

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.

Special Advanced Status Policy

Formal application for advancement in the major is required after the student has successfully completed several indicator courses. Departmental majors must have advanced in the major before taking any computer science course numbered above 411.

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 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 academic career to date. This cover letter must include a reaffirmation that the student has read understood and will comply with the Computer Science Department's Canons of Professional Conduct.

Advancement Exam: Students will be required to take an examination, which will include primarily a programming exercise. Successful completion of this exam will be required prior to advancement in the major.

Advancement Prerequisite Guidelines

1. Achieve an overall university grade point average of at least 2.5.
2. Achieve a computer science grade average of at least 2.7.
3. Achieve at least 2.5 in CSCD 225, 226, ENGR 160, either MATH 161 or 200 and either MATH 225 or 301.
4. Achieve at least a 2.7 in one course in each of these groups:
   a) ENGL 201 or 205;
   b) MATH 162 or 163 or 225 (for B.S. in CS or B.A. in CS Theory programs) or 200 or 301 or 380 (for B.S. in CIS or B.A. in CS Multimedia programs).

See grading requirements section below.

Selection Process

A faculty committee will select students for advancement in the major. Criteria will include:

- Score on advancement 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 *Canons of 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.

Grade Requirements: A student must maintain a 2.5 overall university GPA and a Computer Science GPA of at least 2.7. The following courses must be at a 2.5 to proceed to a course for which it is a prerequisite: CSCD 225, 226, 228, 229, 326, ENGR 160. Prior to registering for courses numbered 412 or higher, students must advance in the major. Application for advancement is made after (or while) completing the following courses: CSCD 229, 260, 326, English 201 or 205, and MATH 162 or 163 or 225, or 200 or 301 or 380. At least one of the ENGL and one of the MATH classes must be at 2.7 or better. A 2.0 is required in all other Computer Science, Mathematics, or Engineering courses used in our majors and minors.

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

Bachelor of Arts (B.A.) in Computer Science

Multimedia Programming and Development Option (96 - 107 credits)

The B.A. in Computer Science-Multimedia Programming and Development Option focuses on the study of text, graphics, animation, video, design and object oriented programming. The students will design and create CD's 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 205 Programming Principles Lab I (1)
CSCD 225 Programming Principles I (5)
CSCD 226 Programming Principles II (5)
CSCD 326 Data Structures I (4)
CSCD 411 Multimedia Techniques (4)
CSCD 414 Object-Oriented Programming for Multimedia (4)
CSCD 419 Multimedia Design and Implementation (4)
CSCD 490 Computer Ethics Senior Capstone (4)
CSCD 491 Multimedia or Web Design Project (5)

Supporting Courses

CMST 200 Introduction to Speech Communication (4)
or CMST 300 Public Speaking (5)
ENGL 205 Introduction to Technical Writing (5)
ENGR 160 Digital Circuits (4)
MATH 200 Finite Mathematics (5)
MATH 301 Discrete Mathematics (5)
or MATH 380 Elementary Probability and Statistics (5)
TECH 368 Electronic Publishing (4)

Concentration (8 credits) Select one of the following two-course sequences.

CSCD 378 Web Programming (4) **and** CSCD 379 Advanced Web Programming (4)
CSCD 416 3D Animation (4) **and** CSCD 417 Advanced 3D Animation (4)

Electives

Select 7 classes 3 areas

Group 1

Computer Science

CSCD 228 Introduction to Unix (2) **and** CSCD 229 C Programming Language (3)
CSCD 260 Micro-Assembly Language (3)
or ENGR 260 Microprocessors I (4)
CSCD 325 Object-Oriented Programming (3)
CSCD 327 Data Structures II (4)
CSCD 333 Network Programming (4)
CSCD 334 Advanced Techniques in Visual Basic (4)
CSCD 435 Principles of Programming Languages (3)
CSCD 479 Web Programming - Security (4)
CSCD 495 Internship (5)
CSCD 3XX, 4XX approved 300+ computer science class (3-4)

Group 2

Technology

TECH 216 Computer Graphics (4)
TECH 265 Graphic Communication (4)
TECH 360 Desktop Publishing (4)
TECH 366 Electronic Prepress Production (4)
TECH 369 Advanced Web Design (4)
TECH 393 Technology in World Civilization (4)

Group 3

Art

ART 303 Digital Imaging/Computer Graphics (5)
ART 306 Advertising Design (5)
ART 403 Advanced Digital Imaging/Computer Graphics (5)
Electronic Media, Theatre and Film
EMAF 110 Introduction to Electronic Media Production (5)

Group 4

Communication Studies

CMST 309 Communication and Information (5)
CMST 340 Intercultural Communication (5)
CMST 400 Message Design (5)
CMST 403 Persuasion (5)
CMST 414 Gender and Communication (5)
Creative Writing
CRWR 210 Introduction to Creative Writing (5)
CRWR 417 Creative Writing Workshop (5)

English

ENGL 305 Professional Writing (5)
ENGL 404 Software Documentation (5)
ENGL 409 General Editing Problems (5)

Group 5

Business

MKTG 310 Principles of Marketing (4)
MKTG 413 Integrated Marketing Communications (4)

Total required computer science credits	***36 credits***
Minimum total supporting credits	***27 - 28 credits***
Total concentration credits	***8 credits***
Minimum total elective credits	***25 - 35 credits***
Minimum total credits for above Major	***96 - 107 credits***

Theory Option (103 - 111 credits)

The Bachelor of Arts degree in Computer Science 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 included in this degree. 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 (86-87 credits)

Computer Science

CSCD 205 Programming Principles Lab I (1)
CSCD 225 Programming Principles I (5)
CSCD 226 Programming Principles II (5)
CSCD 228 Introduction to Unix (2)
CSCD 229 C Programming Language (3)
CSCD 260 Micro-Assembly Language (3)
CSCD 326 Data Structures I (4)
CSCD 327 Data Structures II (4)
CSCD 350 Software Design (4)
CSCD 420 Finite State Automata (4)
CSCD 440 Operating Systems I (4)
CSCD 490 Computer Ethics Senior Capstone (4)

Communications

CMST 200 Introduction to Speech Communication (4)
or CMST 300 Public Speaking (5)

English

ENGL 205 Introduction to Technical Writing (5) (Students must take both ENGL 201 and 205)

Engineering

ENGR 160 Digital Circuits (4)

Mathematics (with MATH elective in Group B, constitutes minor)

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)

Philosophy

PHIL 210 Critical Thinking (5)

Electives (not more than three 3-credit classes)

Select five courses, with at least 2 from Group A, 1 from Group B, and 1 from Group C

Group A: At least 2

CSCD 325 Object-Oriented Programming (3)
CSCD 328 Windows Programming (3)
CSCD 333 Network Programming (4)
CSCD 435 Principles of Programming Languages (3)
CSCD 4XX Computer Sciences elective 421-482 (4)
CSCD 495 Internship (5)
CSCD 498 Topics in CS-with prior approval (4-5)
CSCD 499 Independent Study-with prior approval (4-5)

Group B: At least 1—completes Math Minor

MATH 261 Continuous Functions (4)
MATH 345 Numerical Analysis I (4)
MATH 370 Survey of Geometries (5)
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 4XX 400 level Math course approved by CS department (4-5)
PHIL 301 Introduction to Formal Logic (5)
PHYS 151 General Physics I **(plus lab below)** (4)
PHYS 152 General Physics II **(plus lab below)** (4)
TECH 377 Microprocessors II (4)

Choose one for each physics course:

PHYS 161 Mechanics Lab (1)
PHYS 162 Heat and Optics Lab (1)
PHYS 163 Instrumentation Lab I (1)
PHYS 164 Instrumentation Lab II (1)

Total required computer science credits	***43 credits***
Minimum total communications credits	***4 -5 credits***
Total English credits	***5 credits***
Total engineering credits	***4 credits***
Total mathematics credits	***25 credits***
Total philosophy credits	***5 credits***
Minimum total elective credits	***17 - 24 credits***
Minimum total credits for above Major	***103 - 111 credits***

Bachelor of Science (B.S.) in Computer Information Systems

Computer Information Systems Major (110 - 120 credits)

The Computer Information Systems (CIS) program—a professional program concerned with the development, implementation and maintenance of information systems in the business environment—is designed to provide a solid foundation in the technical aspects of computer systems and an understanding of the role of computer information systems in organizations. The program is culminated by a two-quarter software development sequence in which students apply software engineering principles and project management skills to specify, design, and implement a software system. Each CIS major can also participate in a professional internship experience where previously learned computer science and business skills are applied in a work place information systems environment. The CIS degree is a less theoretical and more applied degree than the CS degree. It is designed for students desiring a career in business, non-profit agency or governmental information technologies.

This four-year program is designed for the computer literate freshman who is qualified to begin the Writing Proficiency course and finite mathematics. To finish in four years, the student must be prepared to take full loads of up to eighteen credits, though averaging fifteen credits.

Required Courses

Computer Science Courses

CSCD 205 Programming Principles Lab I (1)
CSCD 225 Programming Principles I (5)
CSCD 226 Programming Principles II (5)
CSCD 228 Introduction to Unix (2)
CSCD 229 C Programming Language (3)
CSCD 260 Micro-Assembly Language (3)
or ENGR 260 Microprocessors I (4)
CSCD 326 Data Structures I (4)
CSCD 327 Data Structures II (4)
CSCD 350 Software Design (4)
CSCD 425 Database Management Systems (4)
CSCD 440 Operating Systems I (4)
CSCD 450 Software Engineering I (4)
CSCD 451 Software Engineering II (4)
CSCD 490 Computer Ethics Senior Capstone (4)

Communication Studies

CMST 200 Introduction to Speech Communication (4)
or CMST 300 Public Speaking (5)

Engineering

ENGR 160 Digital Circuits (4)

English

ENGL 205 Introduction to Technical Writing (5) (Students must have both ENGL 201 and 205)

Mathematics Courses

MATH 200 Finite Mathematics (5)
MATH 301 Discrete Mathematics (5)
MATH 380 Elementary Probability and Statistics (5)

Accounting Courses

ACCT 251 Principles of Financial Accounting (5)
or ACCT 301 Financial Accounting (4)
ACCT 252 Principles of Managerial Accounting (4)
or ACCT 302 Management Accounting (4)

Economics Courses (select two courses: 200, 201 preferred, 100 allowed if taken previously)

ECON 100 General Education Economics (5)
ECON 200 Introduction to Microeconomics (5)
or ECON 300 Microeconomics (5)
ECON 201 Introduction to Macroeconomics (5)
or ECON 301 Macroeconomics (5)

Required Elective Courses

Select four courses from the following lists, with at least 2 from List A. (Minimum 13 credits)

List A: Select at least 2

CSCD 325 Object-Oriented Programming (3)
CSCD 328 Windows Programming (3)
CSCD 333 Network Programming (4)
CSCD 379 Advanced Web Programming (4)
CSCD 411 Multimedia Techniques (4)
CSCD 414 Object Oriented Programming for Multimedia (4)
CSCD 417 Advanced 3D Animation (4)
CSCD 419 Multimedia Design and Implementation (4)
CSCD 435 Principles of Programming Languages (3)
CSCD 479 Web Programming - Security (4)
CSCD 495 Internship (1 or 2 internships, 5 or 10 credits as approved by department) (5-10)
CSCD 4XX Approved CSCD courses numbered 400 or above (3 to 5)
TECH 377 Microprocessors II (4)

List B

ACCT 356 Cost Accounting (4)
ACCT 359 Accounting Systems (4)
FINC 335 Financial Management (4)

Minimum total computer science credits	***51 - 52 credits***
Minimum total communication studies credits	***4 - 5 credits***
Total engineering credits	***4 credits***
Total English credits	***5 credits***
Total mathematics credits	***15 credits***
Minimum total accounting credits	***8 - 9 credits***
Total economics credits	***10 credits***
Minimum required elective credits	***13 - 20 credits***
Minimum total credits for above Major	***110 - 120 credits***

Bachelor of Science (B.S.) in Computer Science

Computer Science Major (139 - 150 credits)

The Bachelor of Science degree in Computer Science is accredited by the Computing Accreditation Commission of the Accreditation Board for Engineering and Technology, Inc. (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 promises of computer technology. The program contains a rich blend of software, hardware, and theory courses. During the junior and senior years, the program allows the student a choice of sequence specialties such as automata and compiler design, artificial intelligence, computer architecture, computer graphics, operating systems, database systems, software engineering, or computer security. The program also includes the requirements for minors in Mathematics and Physics.

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. Many students will require more than twelve quarters, necessitating part of a fifth year or summer sessions.

Required Courses

Computer Science

CSCD 205 Programming Principles Lab I (1)
CSCD 225 Programming Principles I (5)
CSCD 226 Programming Principles II (5)
CSCD 228 Introduction to Unix (2)
CSCD 229 C Programming Language (3)
CSCD 260 Micro-Assembly Language (3)
CSCD 326 Data Structures I (4)
CSCD 327 Data Structures II (4)
CSCD 350 Software Design (4)
CSCD 420 Finite State Automata (4)
CSCD 435 Principles of Programming Languages (3)
CSCD 440 Operating Systems I (4)
CSCD 460 Computer Systems Architecture and Design (4)
or CSCD 467 Concurrent and Real-Time Systems (4)
CSCD 490 Computer Ethics Senior Capstone (4)
Communication Studies
CMST 200 Introduction to Speech Communication (4)
or CMST 300 Public Speaking (5)

Engineering

ENGR 160 Digital Circuits (4)
ENGR 250 Digital Hardware (2)

English

ENGL 205 Introduction to Technical Writing (5) (Students must complete both ENGL 201 and 205)

Mathematics

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 385 Probability and An Introduction to Statistics (4)

Physics

PHYS 151 General Physics I (4)
PHYS 152 General Physics II (4)
PHYS 153 General Physics III (4)

Choose three of the following

PHYS 161 Mechanics Lab (1)
PHYS 162 Heat and Optics Lab (1)
PHYS 163 Instrumentation Lab I (1)
PHYS 164 Instrumentation Lab II (1)

Required Science Course

Select one course

BIOL 171 Biology I (4)
and BIOL 270 Biological Investigation (3) (counts as one course)
CHEM 151 General Chemistry (5)
GEOL 120 Physical Geology - The Solid Earth (5)
GEOL 121 Physical Geology - Surficial Processes (5)
PHYS 221 General Physics IV (4)

Concentration

Select one of the following two-course sequences

CSCD 421 Automata and Languages (4) **and** CSCD 422 Compiler Design (4)
CSCD 425 Database Management Systems (4) **and** CSCD 427 Database Programming (4)
CSCD 433 Advanced Network Programming (4) **and** CSCD 434 Network Security (4)
CSCD 441 Operating Systems II (4) **and** CSCD 442 Operating Systems III (4)
CSCD 450 Software Engineering I (4) **and** CSCD 451 Software Engineering II (4)
CSCD 461 Digital Systems Design (4) **and** CSCD 467 Concurrent and Real-Time Systems (4) **or** CSCD 460 Computer Systems Architecture and Design (4)
CSCD 470 Computer Graphics Programming (4) **and** CSCD 471 Advanced Graphics Programming (4)
CSCD 481 Knowledge Based Systems (4) **and** CSCD 482 Machine Learning (4)

Electives

Select five courses, at least 2 in computer science

CSCD 325 Object-Oriented Programming (3)
CSCD 328 Windows Programming (3)
CSCD 333 Network Programming (4)
CSCD 4XX Computer Science Course 421-482 (4-5)
CSCD 495 Internship (5)
CSCD 498 Seminar (prior approval required to count as elective) (4-5)
CSCD 499 Directed Study (with prior approval) (4-5)
MATH 241 Calculus IV (5)
MATH 261 Continuous Functions (4)
MATH 345 Numerical Analysis I (4)
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)
TECH 377 Microprocessors II (4)

Total required computer science credits	***50 credits***
Minimum total communication studies credits	***4 - 5 credits***
Total engineering credits	***6 credits***
Total English credits	***5 credits***
Total mathematics credits	***29 credits***
Total physics credits	***15 credits***
Minimum total required science credits	***4 - 7 credits***
Total concentration credits	***8 credits***
Minimum total elective credits	***18 - 25 credits***
Minimum total credits for above Major	***139 - 150 credits***

Minors

Students majoring in other fields may wish to choose a minor in our department since a basic knowledge of the theory and practice of computing is useful in a wide variety of fields.

All computer science department minors require grades of at least 2.0 in each CPLA and CSCD course. Prerequisite grade rules apply to all minors (see grade requirements above).

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 Imaging/Computer Graphics (5)
ART 403 Advanced Digital Imaging/Computer Graphics (5)
CPLA 339 Presentation Software (4)
CSCD 411 Multimedia Techniques (4)
CSCD 419 Multimedia Design and Implementation (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 265 Graphic Communication (4)
TECH 317 Computer Aided Drafting (4)
TECH 360 Desktop Publishing (4)
TECH 368 Electronic Publishing (4)
Additional 3-5 credit upper division courses approved by the advisor for this minor

Total required credits	***12 credits***
Minimum total elective credits	***16 - 18 credits***
Minimum total credits for above Minor	***28 - 30 credits***

Computer Information Systems Minor (27 credits)

An increasing demand for flexibility in application of computer expertise in many employment settings led to the creation of this minor. Included is the study of software design and engineering. Note: Students must maintain a Computer Science GPA of at least 2.50 and earn at least 2.0 in each computer science course in the minor.

Required Courses

CSCD 205 Programming Principles Lab I (1)
CSCD 225 Programming Principles I (5)
CSCD 226 Programming Principles II (5)
CSCD 326 Data Structures I (4)
CSCD 350 Software Design (4)
CSCD 425 Database Management Systems (4)
CSCD 450 Software Engineering I (4)

Total required credits	***27 credits***
Total credits for above Minor	***27 credits***

Note*: The CIS Minor may be earned entirely in Spokane.*

Computer Science Minor (29 - 32 credits)

This minor provides a solid core of computer science knowledge on support of other fields of inquiry and employment. Students minoring in Computer Science must earn a 2.50 GPA in Computer Science course work, and at least a 2.0 in each computer science course in the minor.

Required Courses

CSCD 205 Programming Principles Lab I (1)
CSCD 225 Programming Principles I (5)
CSCD 226 Programming Principles II (5)
CSCD 260 Micro-Assembly Language (3)
CSCD 326 Data Structures I (4)
ENGR 160 Digital Circuits (4)

Electives

Select two 3-5 credit courses from upper division CSCD courses (at least 7 credits). Prior permission is needed for courses 395-399, 495-499.

Total required credits	***22 credits***
Minimum total elective credits	***7 - 10 credits***
Minimum total credits for above Minor	***29 - 32 credits***

Note: *It is possible to earn the CS Minor taking only courses given in Spokane.*

Multimedia and Web Design Minor (25 credits)

As the World Wide Web grows exponentially the demand for people trained in web design and creation is likewise growing. The skills of web design and web programming have clearly been divided. This minor addresses the demand for web designers and graphics designers for the web. Students must maintain a computer science GPA of at least 2.50 and earn at least a 2.0 in each computer science course in the minor.

Required Course

CSCD 491 Multimedia or Web Design Project (5)

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 Animation (4)
CSCD 419 Multimedia Design and Implementation (4)
TECH 216 Computer Graphics (4)
TECH 368 Electronic Publishing (4)
TECH 369 Advanced Web Design (4)
or other elective with prior approval by the department

Total required credits	***5 credits***
Total elective credits	***20 credits***
Total credits for above Minor	***25 credits***

Multimedia Programming Minor (27 credits)

An increasing demand for multimedia skills in many employment settings led to the creation of this minor. Included is the study of text, graphics, animation, video, design and object oriented programming. Note: Students must maintain a Computer Science GPA of at least 2.50, and earn at least a 2.0 in each computer science course in the minor..

Required Courses

CSCD 205 Programming Principles Lab I (1)
CSCD 225 Programming Principles I (5)
CSCD 226 Programming Principles II (5)
CSCD 411 Multimedia Techniques (4)
CSCD 414 Object-Oriented Programming for Multimedia (4)
CSCD 419 Multimedia Design and Implementation (4)
and choice of one of the following
CSCD 378 Web Programming (4)
CSCD 416 3D Animation (4)
CSCD 334 Advanced Techniques in Visual Basic (4)
TECH 368 Electronic Publishing (4)
Or other elective with prior approval by department

Total required credits	***27 credits***
Total credits for above Minor	***27 credits***

GRADUATE PROGRAMS

Master of Education Degree

Computer and Technology Supported Education

Linda Kieffer, Program Advisor
202H Computer Sciences Building
(509) 359-7093
linda.kieffer@mail.ewu.edu

In response to the growing need for technology-skilled leaders in education, Eastern's master's programs for teachers provide the needed technical and pedagogical expertise. 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 the M.Ed. programs outlined below, the Department regularly constructs individual M.S. 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)

Total common requirement credits	***16 credits***
Total area specialization credits	***36 credits***
Minimum total credits for above Master's Degree	***52 credits***

Master of Science in Computer Science

Timothy Rolfe, Program Advisor
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(509) 359-6162
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In response to the need for skilled professionals in computer science, 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 225 & 226 Programming Principles I & II
CSCD 228 Intro to Unix
CSCD 229 C Programming Language
CSCD 326 & 327 Data Structures I & II
CSCD 333 Network Programming
CSCD 420 Finite State Automata
CSCD 440 Operating Systems I
CSCD 460 Computer Systems Architecture and Design
MATH 161, 162, & 163 Calculus I, II, & III
MATH 231 Linear Algebra
MATH 225 Foundations of Mathematics
or MATH 301 Discrete Mathematics

Entrance Courses for the Software Systems Option:

CSCD 225 & 226 Programming Principles I & II
CSCD 228 Intro to Unix
CSCD 229 C Programming Language
CSCD 326 & 327 Data Structures I & II
CSCD 333 Network Programming
CSCD 420 Finite State Automata
(*CSCD 420 may be deferred and taken as part of the "additional electives" section of the degree.)
CSCD 425 Database Management Systems
CSCD 440 Operating Systems I
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 & 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.*

Total required core credits	***20 credits***
Total option requirement credits	***12 credits***
Total elective credits	***14 credits***
Total research requirement credits	***6 credits***
Minimum 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.

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 required. Passing this course gives clearance of Computer Literacy Part I. Does not count towards the 180 credit requirement.
An introduction to computer concepts. Hardware, software, and operating systems are presented on both Windows and Mac platforms. An introduction to word processing and graphic applications is included.

CPLA 101
Computer Literacy II (1)
FALL/WINTER/SPRING/SUMMER
[satisfies the university competencies, computer literacy.]

Course fee required. 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.
An introduction to spreadsheet, database and telecommunications software is presented on both Windows and Mac platforms. Library searches are required. An introduction to the societal issues of security, privacy, viruses and computer crime will be included.

CPLA 120
Computer Applications Literacy (5)
FALL/WINTER/SPRING/SUMMER
Course fee required. This course includes the material 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. Fundamental computer concepts designed to give an overview of computers, the Internet and the World Wide Web. Develop knowledge and skills in word processing, spreadsheets, database presentation software, web page creation, search library database searches. No previous computer background is assumed.

CPLA 121
Intermediate Computer Applications Literacy (5)
SPRING
Prerequisite: CPLA 120 or CPLA 100 and 101.
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)
SPRING
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)
SPRING
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)
SPRING
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)
SPRING
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/SUMMER
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)
WINTER
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)
FALL/WINTER/SPRING
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.

Courses

CSCD 102
Lab for Programming in Basic (1-2)
FALL

Prerequisite: Concurrent enrollment in CSCD 132.
This course provides a hands-on experience with programming concepts used in CSCD 132 Programming in BASIC. Programming concepts covered will consist of a review of those presented in CSCD 132 including syntax, program structure, and program design. Students will compile, save, print, debug, and run programs using those concepts.

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 225 is required.
This course provides a hands-on introduction to the programming environment and programming concepts used in CSCD 225, 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 225, including syntax, program structure, and program design.

CSCD 206
Programming Principles Lab II (1-2)
FALL/WINTER/SPRING

Prerequisite: Concurrent enrollment in CSCD 226.
This course provides a hands-on experience with programming concepts used in CSCD 226, Programming Principles II. Programming concepts covered will consist of a review of those presented in CSCD 226 including syntax, program structures, and program design. Students will compile, save, print, debug, and run programs using those concepts.

CSCD 208
Unix Lab (1)
Prerequisite: Concurrent enrollment in CSCD 228.
This course provides a hands-on experience with the operating system covered in CSCD 228 UNIX. Concepts covered will consist of a review of those presented in CSCD 228 and students will develop greater proficiency in use of the operating system through hands-on experience.

CSCD 209
C Programming Lab (1-2)
FALL/WINTER/SPRING

Prerequisite: Concurrent enrollment in CSCD 229.
This course provides a hands-on experience with programming concepts used in CSCD 229. Programming concepts covered will consist of a review of those presented in CSCD 229 including syntax, program structure, and program design. Students will compile, save, print, debug, and run programs using those concepts.

CSCD 225
Programming Principles I (5)
FALL/WINTER/SPRING

Prerequisites: CPLA 100 or 120, and MATH 104 and concurrent registration in MATH 105 or Math Proficiency. Concurrent enrollment in CSCD 205 required.
Introduction to the concepts and practices of information representation, computer algorithms, hardware organization and computer program design and implementation. Course allows student to write, run, debug, analyze and evaluate computer programs written in a current programming language, such as Java. Topics include: data types, control structures, functions, calls, parameter passing, 1D arrays - sorting and searching algorithms, and recursion.

CSCD 226
Programming Principles II (5)
FALL/WINTER/SPRING

Prerequisites: CSCD 225, MATH 105 or Math Proficiency.
An introduction to simple data structures, such as arrays, structures, and simple classes, using a current programming language. Fundamental sorting and searching algorithms are examined and evaluated. Topics include: 2D arrays, object cloning, data abstraction, polymorphism, inheritance, interfaces, inner classes, abstract classes, files, string classes, basic GUI design, exception handling, and threads.

CSCD 228
Introduction to Unix (2)
FALL/WINTER/SPRING

Prerequisite: CPLA 100 or 120 and pre- or concurrent registration in CSCD 225.
An introduction to the use of the UNIX operating system. The use of interactive shells, common text editors, utility programs, electronic mail, and graphical user interfaces are covered as well as file system structure and accessing the Internet.

CSCD 229
C Programming Language (3)
FALL/WINTER/SPRING

Prerequisites: CSCD 226, concurrent CSCD 228, Math Proficiency.
A comprehensive study of syntax and programming techniques of the C language. Students will study and write programs involving all aspects of the language from simple statements through structures, pointers and linked lists and will learn the use of operating system calls. Topics include: procedural programming, C pointers, arrays, pointer arithmetic, functions and parameter passing, data types and structures - make and makefiles.

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 255
C Programming for Engineers (5)
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
Micro-Assembly Language (3)
FALL/WINTER/SPRING

Prerequisites: ENGR 160, CSCD 225 or 255, MATH 105 or Math Proficiency.
Fundamental microcomputer hardware and the instruction set for a single tasking, single user microprocessor. Homework assignments will include assembly language programming emphasizing I/O device access and features that support high level languages.

CSCD 298
Seminar (1-5)
FALL/WINTER/SPRING/SUMMER

CSCD 299
Special Studies (1-5)
FALL/WINTER/SPRING/SUMMER

Prerequisites: Prior permission of the instructor and the department chair.
Subjects studied vary according to student and faculty interest.

CSCD 305
Oop Lab (1-2)
Prerequisite: Concurrent enrollment in CSCD 325.
This course provides a hands-on experience with programming concepts used in CSCD 325, Object Oriented Programming. Programming concepts covered will consist of a review of those presented in CSCD 325 including syntax, program structure, and program design. Students will compile, save, print, debug, and run programs using those concepts.

CSCD 308
Windowing Lab (1-2)
Prerequisite: Concurrent enrollment in CSCD 328.
This course provides a hands-on experience with programming concepts used in CSCD 328, Windows Programming. Programming concepts covered will consist of a review of those presented in CSCD 328 including syntax, program structure, and program design. Students will compile, save, print, debug, and run programs using those concepts.

CSCD 316
Contest Problems (1-5)
Prerequisite: CSCD 226 or concurrent enrollment.
Students participate in solving problems with computer programming. This is preparation for periodic local and regional programming contests.

CSCD 325
Object-Oriented Programming (3)
Prerequisites: Math Proficiency, and either CSCD 229 or both CSCD 226 and 255.
More advanced programming concepts such as recursion and object-oriented concepts such as classes, inheritance, and polymorphism. Projects will be written in an object-oriented language. Focuses on differences between Java and C++.

CSCD 326
Data Structures I (4)
FALL/WINTER/SPRING

Prerequisites: CSCD 226 and Math Proficiency.
Basic abstract concepts of data structures. Topics include: Linear data structures including stacks, queues, and linked lists. Linked, multi-linked and contiguous representation. Analysis of hashing and recursion. Mathematical analysis of complexity of searching and sorting algorithms, binary search trees and heaps. Requires programming projects with formal documentation.

CSCD 327
Data Structures II (4)
FALL/WINTER/SPRING
Prerequisites: CPLA 101 or 120, CSCD 326, ENGL 201 and either MATH 225 or 301.
Formal properties of non-linear data structures, including binary trees and general trees. General directed graphs and networks. Symbol tables and search trees. File organization, n-ary retrieval trees and B-trees. Requires programming assignments with formal documentation.

CSCD 328
Windows Programming (3)
Prerequisites: CSCD 326 and Math Proficiency.
Introduction to general techniques of programming in a graphical, windowed environment. System events, menus, dialog boxes, GUI controls, callback functions, clipboards and device-independent graphical programming techniques are among the selected topics. Additional topics may include object linking and embedding, and multi-threading. Requires programming projects.

CSCD 333
Network Programming (4)
FALL/SPRING
Prerequisite: (CPLA 101 or 120), and CSCD 226, and CSCD 228, and CSCD 229, and (CSCD 260 or ENGR 260).
Fundamental concepts, protocol mechanisms and programming skills for modern computer networks are highlighted. The course includes a technical overview of telecommunication media and fundamental protocols for the Internet such as ISO/OSI layers; Ethernet; wireless technologies; error detection and recovery; collision detection and channel allocation. In addition there will be a comprehensive and in-depth study of internetworking architectures and protocols such as addressing, fragmentation and reassembly, error reporting, and routing, as well as programming skills for network-centric system development such as client-server computing and API.

CSCD 334
Advanced Techniques in Visual Basic (4)
SPRING
Prerequisites: CSCD 234 (or familiarly with visual and either CSCD 326 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 350
Software Design (4)
FALL/WINTER/SPRING
Prerequisite: CSCD 326.
An in-depth exploration of software design principles, paradigms, and techniques. Topics will include classical, and object-oriented, systems design, human-computer interaction, and user interface design. Students will work individually and collaboratively to develop, document, present, and evaluate alternative design solutions. Formal documentation and written reports are required.

CSCD 378
Web Programming (4)
WINTER
Prerequisites: CSCD 226 and TECH 368.
Study web programming based on the current research. API's such as Document Object Model will be presented. Learn how to write code for the web that is portable across platforms and browsers.

CSCD 379
Advanced Web Programming (4)
SPRING
Prerequisites: CSCD 226, 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 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
Prerequisites: Prior permission of the instructor and the department chair.

CSCD 411
Multimedia Techniques (4)
FALL
Prerequisites: CPLA 101 or 120. Math Proficiency, and one of the following: CSCD 225, 132, 255, MISC 312.
Study of computer generated media; text, still graphics, animation and sound. The strengths of each media will be explored and a computer presentation using each medium will be created with appropriate software. A final presentation will be multimedia. The student will develop an electronic portfolio using the different media.

CSCD 414
Object Oriented Programming for Multimedia (4)
WINTER
Prerequisites: CSCD 326, 411, Math Proficiency.
Lingo is the object oriented programming language of Macromedia Director. This course will introduce the programming of Lingo objects to create and control sprites and other cast members in a multimedia presentation.

CSCD 416
3D Animation (4)
Prerequisites: CSCD 226, 411. (ACS special code)
Learning and implementing the fundamental concerts of 3D animation using 3D Studio Max. Students will learn the basics about modeling, texturing and animation using one of the most popular software packages in the industry. Evaluation and identification of strengths and weaknesses of examples of 3D animations will be included. The creation of a 3D animation project will be required.

CSCD 417
Advanced 3D Animation (4)
Prerequisite: CSCD 416. (ACS special code)
An advanced course in 3D Animation theory and application. This course will include advanced work in photorealism, nurbs, basic character development, lighting, and camera techniques. A project will be required in this course.

CSCD 419
Multimedia Design and Implementation (4)
SPRING
Prerequisite: CSCD 411 or permission of the instructor.
Study of system design and the software development cycle of computer generated multimedia applications. The user interface will be studied. The design and implementation of a "real world" multimedia project will be part of the class.

CSCD 420
Finite State Automata (4)
FALL
Prerequisites: CSCD 260 or ENGR 260, CSCD 327, and MATH 225 or 301.
A study of sequential machines—their algebraic, structural, and logical properties.

CSCD 421
Automata and Languages (4)
WINTER
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. Lab.

CSCD 422
Compiler Design (4)
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)
FALL
Prerequisite: CSCD 326.
An in-depth introduction to fundamental concepts associated with the design, implementation, and use of database systems with particular emphasis on relational database management systems. Topics will 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)
WINTER
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 326,333.
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 326, 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/SPRING
Prerequisites: CSCD 327, ENGL 205 or CMST 2/300.
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 440
Operating Systems I (4)
FALL/SPRING
Prerequisites: CSCD 228, 229, 326 and either CSCD 260 or ENGR 260.
Major concepts in the design and modeling of operating systems for digital computers. Topics will include: historical development of operating systems, methods used in simulations, memory management, system protection mechanisms, I/O management, CPU scheduling, process management, file systems. Requires programming assignments, program analyses, and written reports.

CSCD 441
Operating Systems II (4)
WINTER
Prerequisite: CSCD 440.
Studies in concurrent systems, basic networking, and security of systems. Further, an in-depth study of a specific operating system will be performed; this will involve disk partitioning, actual installation of a new operating system onto the student's own hardware, and learning the intricacies of that new system.

CSCD 442
Operating Systems III (4)
Prerequisite: CSCD 441. (ACS special code)
An analysis of code segments and data structures used in the operating system worked with in CSCD 441. Emphasis will be on the degree to which the hardware/CPU dictates implementation decisions. Projects for interfacing hardware devices to the system will be assigned; individual oral presentations and the development of technical documents detailing the projects will be included.

CSCD 443
Distributed Multiprocessing Environments (4)
Prerequisites: CSCD 440, 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 326, 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 460
Computer Systems Architecture and Design (4)
FALL
Prerequisites: CSCD 226, ENGR 250, and either CSCD 360 or ENGR 260. (ACS special code)
A study of 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 assembly 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 digital circuits using a high-level procedural programming language is also covered. A programming project will be required.

CSCD 461
Digital Systems Design (4)
Prerequisites: CSCD 226, 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)
Prerequisites: CSCD 326 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
Computer Graphics Programming (4)
WINTER
Prerequisites: MATH 163, CSCD 326. Recommend CSCD 229. (ACS special code)
Programming principles and techniques for 2-D and 3-D computer graphics. Included topics: graphics hardware interfaces, generation of 2-D graphics primitives, 2-D and 3-D translation, rotation, scaling and clipping algorithms and modeling/representation of three-dimensional objects. Requires programming assignments.

CSCD 471
Advanced Graphics Programming (4)
SPRING
Prerequisite: CSCD 470 or equivalent. (ACS special code)
Theory and programming techniques for advanced three dimensional computer graphics and realistic rendering. Included topics: solid modeling of 3D objects, light and color modeling, realistic object rendering using Phong and Gouraud shading techniques, texture mapping, and other advanced rendering techniques such as the production of shadows and reflections. The use of advanced rendering techniques in 3D games will also be covered. Requires programming assignments.

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
Intelligent Systems (4)
FALL
Prerequisite: CSCD 326. (ACS special code)
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 individual and/or group programming projects.

CSCD 481
Knowledge Based Systems (4)
WINTER
Prerequisite: CSCD 480 or permission of the instructor. (ACS special code)
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 482
Machine Learning (4)
SPRING
Prerequisite: CSCD 480 or permission of the instructor. (ACS special code)
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 490
Computer Ethics Senior Capstone (4)
FALL/WINTER/SPRING
[satisfies senior capstone university graduation requirement.]
Prerequisites: ENGL 201 and ENGL 205 and (advanced in the major or ENGL 305) and (CMST 200 or 300).
Computers as 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.

CSCD 491
Multimedia or Web Design Project (5)
FALL/WINTER/SPRING
Prerequisites: CSCD 412 and 414. (ACS special code)
Independent or small group design, development and implementation of a multimedia project.

CSCD 495
Internship (1-10)
FALL/WINTER/SPRING/SUMMER
Prerequisite: CSCD 326 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/SUMMER
Prerequisite: Prior permission of the instructor.

CSCD 499
Directed Study (1-5)
FALL/WINTER/SPRING/SUMMER
Prerequisites: Prior permission of the instructor and the department chair.

CSCD 501
Design and Analysis of Algorithms (4)
Prerequisites: CSCD 327 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: Prior 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 226 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 440, 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 440, 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 326, 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 460 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 326 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)
Prerequisites: Prior 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.

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
Prerequisites: 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 topic 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
Prerequisites: 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
Nick Jackson, Chair
135Q Martin Hall
(509) 359-2827

B.A.E., B.S.
Minors
M.A., M.Ed., M.S.
Graduate Certificate
Faculty: V. Appleton, A. Arndt, C. Cleanthous, K. Engebretson, R. Guillory, P. Hoang, N. Jackson, G. Jefferson, S. Leverett-Main, N. Marchand-Martella, R. Martella, M. Moore, F. Simonsen, Y. Tomes, K. Waldron-Soler

Special Faculty: A. Basham, R. Browers, B. Leonard, A. Przychodzin

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, review, 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 (B.A.E.) for Counseling, Educational, and Developmental Psychology

Child Development/Elementary Major (46 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 325 Lab in Human Learning (1)
CEDP 363 Introduction to Special Education (4)
CEDP 402 Applied Learning Theory (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 required credits ***46 credits***
Total credits for above Major ***46 credits***

Professional Education Requirements/ Elementary Education: 111-115 credits

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

Total credits for above Major & Professional Education ***157 - 161 credits***

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

Dual Primary Endorsement Program in Special Education and Elementary Education (130 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.

When completing GECRs and university requirements, include these classes:

*HIST 110
*BIOL 115
*GEOL 115 or PHYS 115
** CMST 340 or EDUC 325 or SOCI 320 or SOCI 321

Note*: *Check with the Education Department for possible substitutions.*
Note*: **EDUC 325 does **not** count for the university cultural diversity.*

Prerequisite for EDUC 200, Admission to the Teacher Education Program:

Washington Educator Skills Test-Basic (WEST-B): Refer to www.west.nesinc.com for information on this Reading, Mathematics, and Writing basic skills test.
CPLA 100, CPLA 101
CMST 200 or CMST 120
ENGL 101, ENGL 201
MATH 211

Prerequisites for Professional Education Program:

EDUC 200
EDUC 201
CEDP 302

Prerequisites for Dual Endorsement Program in Special Education and Elementary Education

CEDP 321 Introduction in 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 463 Methods for Teaching Students with Severe Disabilities (4)
CEDP 462 Methods for Teaching Students with Severe Disabilities (4)

Requirements for Elementary Education

EDUC 304 Introduction to Elementary Reading (3)
EDUC 310 Reading Methods in the Elementary School (3)
EDUC 311 Learning Lab - Reading (1)
EDUC 337 Learning Lab (1)
EDUC 338 Introduction to Language Arts in the Elementary School (3)
EDUC 339 Social Studies and Science in the Elementary School (4)
EDUC 340 Classroom Experience (3)
MATH 212 Structure of Elementary Mathematics II (5)
MATH 390 Methods of Teaching Elementary School Mathematics (5)
ART 390 Art in the Elementary School (3)
MUSC 390 Music Methods for Elementary Classroom Teacher (3)
PHED 390 Health and Physical Education in the Elementary School (3)
EDUC 420 Admission to Professional Candidacy (2)
EDUC 423 Elementary Student Teaching K-8 (16)

Total prerequisite credits ***5 credits***
Total required special education credits ***75 credits***
Total required elementary education credits ***55 credits***
Total credits for above Major ***135 credits***

Note*: Students will complete the professional admissions interview in conjunction with CEDP 481.*

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.*

Special Education Major (84 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.

–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, Intro 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) and MATH 212 Structure of Elementary Mathematics II (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 Intro to African American Culture (5)
CHST 101/ANTH 161 Intro to Chicano Culture (5)
EDUC 325 Teaching in a Pluralistic Society (3)*
HIST 313 Asian American History (5)
IDST 101 Intro to Indian Studies (4)
SOCI 320 Race and Ethnic Relations: Global Perspectives (5)

Does **not satisfy a GECR requirement.*

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 in 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)

Minimum total EDUC 200 prerequisite credits	***21 - 26 credits***
Total required special education prerequisite credits	***9 credits***
Total required special education credits	***71 credits***
Total required choose 1 credits	***4 credits***
Minimum total credits for above Major	***105 - 110 credits***

Special Education Major with Early Childhood Special Education Option (84 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.

–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, Intro 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) and MATH 212 Structure of Elementary Mathematics II (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 Intro to African American Culture (5)
CHST 101/ANTH 161 Intro to Chicano Culture (5)
EDUC 325 Teaching in a Pluralistic Society (3)*
HIST 313 Asian American History (5)
IDST 101 Intro to Indian Studies (4)
SOCI 320 Race and Ethnic Relations: Global Perspectives (5)

Does **not satisfy a GECR requirement.*

***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 in 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	***21 - 26 credits***
Total required special education prerequisite credits	***9 credits***
Total required special education credits	***75 credits***
Total credits for above Major	***105 - 110 credits***

Bachelor of Science (B.S.) in Applied Developmental Psychology

The Bachelor of Science in Applied Developmental Psychology prepares students for graduate study and entry-level work 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. Students may choose some courses from other disciplines to gain a broader perspective about human development.

Applied Developmental Psychology Major (65 - 68 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 320 Developmental Theories and Applications (4)
CEDP 321 Introduction to Developmental Methods (4)
CEDP 322 Lab in Developmental Methods (1)
CEDP 323 Psychological and Behavioral Assessment (4)
CEDP 324 Human Learning (4)
CEDP 325 Lab in Human Learning (1)

Take 5 credits of Field Study each quarter for two quarters in a row: 10 credits

CEDP 492 Field Study in Child Issues and Problems (5)
CEDP 493 Field Study in Adolescent Issues and Problems (5)
CEDP 494 Field Study in Adult Issues and Problems (5)

Take one of the following: 4 credits

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: based on student career plans

Developmental Interventions Track:

CEDP 402 Applied Learning Theory (4)
CEDP 460 Special Education Methods (4)
CEDP 431 Pediatric and Adolescent Health Psychology (4)
Approved elective (4)

Pre-Counseling Track: Take any four courses

CEDP 444 Intervention Techniques (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)

Total required credits	***49 credits***
Minimum elective credits	***16 - 19 credits***
Minimum total credits for above Major	***65 - 68 credits***

***Note:** Additional tracks may be assembled by the student in consultation with a department advisor.*

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 required upper division credits ***15 credits***
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 required credits ***16 credits***
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 460 Special Education Methods (4)
CEDP 420 Principles of Behavior for Students with Exceptional Needs (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)

Total required credits ***12 credits***
Total 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 3.00 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. An application for admission to the department and two references must be submitted. In addition, a personal interview or a videotaped interview may be required of all Mental Health Counseling, School Counseling, School Psychology, and Special Education applicants. The appropriate forms and instructions can be obtained from the department.

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

Application Deadline

Deadlines for application to be admitted for the following summer or fall quarter: February 1 for Mental Health Counseling, School Counseling, March 1 for School Psychology, and May 1 for Special Education. Complete applications received prior to the deadlines will be evaluated as they are received and an admission decision will be made immediately after evaluation.

Degree Requirements

Master of Education in Special Education

Program Directors:

Nancy Marchand-Martella
141B Martin Hall
(509) 359-2824
E-mail: nmartella@mail.ewu.edu

Ronald C. Martella
141A Martin Hall
(509) 359-6196
E-mail: rmartella@mail.ewu.edu

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 either one calendar year in length (with

courses offered primarily during the day) or two years in length (with 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.

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

Sarah Leverett-Main, Program Director
316 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 tracks: 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.

***Note**: This program is located at the Spokane Center, 1st and Wall, downtown Spokane.*

Selection Criteria

In addition to general university and departmental requirements, it is desirable to have a B.A. or B.S. 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.

An 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 Intervention Techniques; CEDP 468 Tests, Measurements, and Evaluation; and CEDP 483 Group Dynamics.

Master of Science in Applied Psychology: Mental Health Counseling Emphasis

Ken Engebretson, Coordinator
311 Spokane Center
(509) 623-4234

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 have completed 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 539 Special Topics: Issues in Professional Mental Health 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 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 (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

Sarah Leverett-Main, Coordinator
316 Spokane Center
(509) 623-4225

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)

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)

Gretchen Jefferson, Program Director
135G Martin Hall
(509) 359-4665

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

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.

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/WINTER/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 GECR 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)
FALL/WINTER/SPRING
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/WINTER/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/WINTER/SPRING/SUMMER
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
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 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 or permission of the instructor. To be taken concurrently with CEDP 322.
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 323
Psychological and Behavioral Assessment (4)
FALL/SPRING
Prerequisites: CEDP 313, 314, 315, 316, or permission of the instructor.
Basic methodologies for examining behavior change and status reports in various settings.

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 325
Laboratory in Human Learning (1)
FALL/WINTER
Prerequisite: Concurrent with CEDP 324 or permission of the instructor.
Activities demonstrating learning.

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
Applied Learning Theory (4)
SPRING
Prerequisites: CEDP 313, 324, 325 or permission of the instructor.
Applied learning theory, methodology, and research paradigms will be defined and their inter-theory, inter-subjects, and inter-problem solving relevance demonstrated.

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/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/SPRING/SUMMER
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)
SPRING
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
Intervention Techniques (4)
FALL/WINTER/SPRING/SUMMER
Prerequisite: CEDP 315 or permission of the instructor.
Introduction to, and practice in basic intervention skills and techniques used in counseling.

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/SPRING
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)
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
Prerequisites: CEDP 313, 323 or permission of the instructor.
Offers a survey, development, and analysis of educational and psychological tests.

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/SPRING/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
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 writeup. 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 (5)
FALL/WINTER/SPRING/SUMMER
Graded Pass/No Credit.
Prerequisites: CEDP 313, 324, 325, some senior, major courses and faculty advisement.
Students electing this course are expected to take it for two consecutive quarters.

CEDP 493
Field Study in Adolescent Issues and Problems (5)
FALL/WINTER/SPRING/SUMMER
Graded Pass/No Credit.
Prerequisites: CEDP 313, 324, 325, some senior, major courses and faculty advisement.
Students electing this course are expected to take it for two consecutive quarters.

CEDP 494
Field Study in Adult Issues and Problems (5)
FALL/WINTER/SPRING/SUMMER
Graded Pass/No Credit.
Prerequisites: CEDP 314, 324, 325, some senior, major courses and faculty advisement.
Students electing this course are expected to take it for 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 EWU Center for Extended Learning.

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/SPRING
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)
FALL/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)
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)
Prerequisite: Admission to the graduate counseling program, school counseling track.

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/ALTERNATE SPRINGS
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 prior 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 prior 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: Prior 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, prior 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: Prior 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
Prerequisites: Prior 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 prior 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)
WINTER
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 prior 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)
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)
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 prior 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 prior 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 prior 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 prior 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: Prior permission of the instructor and the department chair.

CEDP 600
Thesis (1-15)
FALL/WINTER/SPRING/SUMMER
Graded Pass/No Credit.
Prerequisites: Prior 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: Prior 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 prior 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
College of Teaching Internship (1-15)
FALL/WINTER/SPRING/SUMMER
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) 359-2209

B.A.
Minor
Faculty: P. Indahl, C. Mosman

UNDERGRADUATE PROGRAMS

The Department of Criminal Justice was approved by the Washington State council on Post Secondary Education in 1976. It is authorized to offer a bachelor of arts degree with broad options in the study of criminal justice. The program of study is dedicated to Dr. V.A. Leonard (1894-1984) an American pioneer in criminal justice education who selected Eastern Washington University as the repository for all of his professional papers.

The department has a criminalistics lab in which students develop skills through hands-on practice processing mock crime scenes. Students also have the opportunity to acquire skills in locating and developing latent fingerprints, casting, glass fracture patterns, evidence handling, and trace evidence (hairs, fibers, and fluids).

Criminal Justice is a professional program of study. The discipline focuses on the practical aspect of crime, criminal behavior, and the application of law in response to illegal activities. Historically, criminal justice is a recently developed academic discipline that draws from other disciplines such as political science, sociology, psychology, chemistry, physics, biology and law. The curriculum seeks to provide students with the skills necessary to be successful practitioners in a variety of careers in the criminal justice system. Emphasis is focused on the relationship between theory, research, and social policy studies in a practical environment. Consistent with the mission of the program, students are afforded the opportunity to pursue their special interests in criminal justice.

The purpose of the Criminal Justice Program is to provide students with a thorough understanding of the social organization and administration of the criminal justice system. Courses are offered in forensics, theories of crime and delinquency, law enforcement, the courts, corrections, and administration. Students perform a 400 hour internship in connection with their degree requirements. The programs also provide academic preparation for advanced study leading to graduate degrees in criminal justice, law, and related fields.

General Admissions Requirements for Criminal Justice: Students entering study in criminal justice must be computer literate. In addition they must demonstrate basic technical writing skills prior to the accumulation of 20 major credits. Students may meet this requirement by taking ENGL 205, Introduction to Technical Writing (5) or ENGL 305, Professional Writing (5) or by challenging the requirements through examination. Criminal Justice majors must satisfy the General Education Core Requirements before enrolling in the required internship.

Students must pass each criminal justice course with a 2.0 or higher grade.

CRIM 495 may not be repeated because of a low grade. All other major courses may be repeated only once.

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

Bachelor of Arts (B.A.) in Criminal Justice

Criminal Justice Major (71 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

CRIM 300 Introduction to Criminal Justice (5)
CRIM 310 Criminal Pathology I: Violence and Society (4)
CRIM 314 A History of the American Criminal Justice System (5)
CRIM 382 Criminal Justice Organization and Administration (5)
CRIM 386 Basic Concepts of Criminal Law (5)
CRIM 482 Research in Criminal Justice (4)
CRIM 490 Criminal Justice Senior Capstone (5)
CRIM 495 Internship in Criminal Justice (12)
SOCI 356 Introduction to Social Statistics (5)
or PSYC 310 Psychological Statistics (5)

Electives

Select courses from the following:

CRIM 299 Individual Study (1-5)
CRIM 302 Criminal Justice Systems and Development (4)
CRIM 304 Forensic Inquiry (5)
CRIM 305 Controversial Criminal Justice Topics (4)
CRIM 307 Special Topics in Criminal Justice (1-5)
CRIM 330 University Law Enforcement and Security (5)
CRIM 383 Development and Organization of the Jail (4)
CRIM 398 Professional Development Seminar (5)
CRIM 399 Individual Study (1-5)
CRIM 404 Forensic Identification (4)
CRIM 416 Comparative Criminal Justice Systems (5)
CRIM 460 Penology (5)
CRIM 483 Administration of the American Jail (3)
CRIM 485 Correctional Counseling: Group Methods (5)
CRIM 491 Criminal Justice Education and Training (5)
CRIM 496 Experimental Course in Criminal Justice (5)
CRIM 497 Workshop in Criminal Justice (5)
CRIM 498 Seminar in Criminal Justice (5)
CRIM 499 Individual/Independent Study (1-5)
CEDP 313 Child and Adolescent Development (4)
GOVT 300 Law and the Legal Process (5)
GOVT 302 Criminal Procedures (5)
GOVT 311 Introduction to American Public Management (5)
RCLS 125 Recreation and Leisure Services Activities (1)
SOCI 459 Community Based Corrections (3)

Total required credits	***50 credits***
Minimum total elective credits	***21 credits***
Minimum total credits for above Major	***71 credits***

Minor

Criminal Justice Minor (28 credits)

Required Courses

CRIM 300 Introduction to Criminal Justice (5)
CRIM 310 Criminal Pathology I: Violence and Society (4)
CRIM 382 Criminal Justice Organization and Administration (5)
CRIM 482 Research in Criminal Justice (4)

Electives

Select courses from any other CRIM prefix courses.

Total required credits	***18 credits***
Total elective credits	***10 credits***
Total credits for above Minor	***28 credits***

Courses

***Terms Offered**: If no terms are indicated, check with department or quarterly Course Announcement.*

CRIM 299
Individual Study (1-5)
Prerequisite: Prior 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 310
Criminal Pathology I: Violence and Society (4)
Prerequisite: Junior standing.
A theoretical examination of violence and society. Examines historical and contemporary theorists to determine causation and control of interpersonal violence.

CRIM 314
A History of the American Criminal Justice System (5)
FALL/WINTER/SPRING
A historical survey of the origins and development of the American criminal justice institution.

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 330
University Law Enforcement and Security (5)
A lecture, laboratory and field course in University Law Enforcement and Security. Lecture covers general knowledge and specific protection problems, laboratory and supervised field experience teaches methods of patrol and protection. Requires evening and weekend activities.

CRIM 382
Criminal Justice Organization and Administration (5)
Basic organization and management of criminal justice agencies. Discusses line, personnel, and auxiliary functions.

CRIM 383
Development and Organization of the Jail (4)
A study of the development and organization of the jail as found in the United States.

CRIM 386
Basic Concepts of Criminal Law (5)
A survey of the basic concepts and content of the American substantive criminal law, including purposes, basic concepts, defenses, and selected substantive offenses.

CRIM 398
Professional Development Seminar (5)
Covers values, ethics and personal development.

CRIM 399
Individual Study (1-5)
FALL/WINTER/SPRING
Prerequisite: Prior 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. Prerequisites: CRIM 304 and prior permission of the instructor.
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)
Special fees. 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 482
Research in Criminal Justice (4)
Prerequisites: Computer keyboard skills, Junior standing.
Provides practice in the use of research methods used in Criminal Justice. Individual skills are developed through the process of designing research projects using Criminal Justice data base.

CRIM 483
Administration of the American Jail (3)
Emphasizes theory and role of administration in both city and county jails.

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 address 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 (12)
SUMMER
Prerequisites: 1) 2.50 GPA, 2) prior permission of intern instructor, 3) 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) prior permission of the instructor.

CRIM 499
Individual/Independent Study (1-5)
Not open to students with a GPA below 3.00.
Prerequisite: Prior 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, Math and Technology
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
B.S.
Faculty: P. Blitz, 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 office.

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 predental 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. 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 (B.S.) in Dental Hygiene

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 (5)
BIOL 233 Human Anatomy and Physiology (5)
BIOL 234 Human Anatomy and Physiology (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)
Select one course from the following:
CMST 200 Introduction to Speech Communication (4)
CMST 310 Interpersonal Communication (5)
CMST 312 Nonverbal Communication (5)
CMST 340 Intercultural Communication (5)
CMST 350 Small Group Communication (5)
FNDT 356 Nutrition (5) **or** HLED 372 Applied Nutrition and Physical Fitness (3)
PSYC 100 General Psychology (5)
Recommended Electives: See your dental hygiene advisor for an appropriate list of courses.

Minimum total required credits	***149 - 152 credits***
Minimum credits for above Major	***149 - 152 credits***

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 skills 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 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 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.

FOOD AND NUTRITION/ DIETETICS

Food and Nutrition/Dietetics does not offer a degree program, but the courses support other programs.

Courses

***Terms Offered**: If no terms are indicated, check with department or quarterly Course Announcement.*

FNDT 356
NUTRITION (5)
WINTER
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.

EARTH SCIENCE

College of Science, Math and Technology
Linda B. McCollum, Program Advisor
Department of Geology
130 Hall of Sciences
(509) 359-2286
geol@mail.ewu.edu

B.A.E.
Minor
General Science Endorsement
Faculty: Varies

UNDERGRADUATE PROGRAMS

The B.A.E. 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 GECR 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 GECR courses.

General Degree Completion Requirements for Earth Science:

Grade requirement for B.A.E.:
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 (B.A.E.) for Earth Science

Earth Science/Secondary Major (68 - 70 credits)
This major satisfies the endorsement for grades 5-12.

Required Courses
CHEM 151 General Chemistry (5)
GEOG 305 Introduction to Oceanography (5)
GEOG 310 Geography of Landforms (4)
or 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)
MATH 106 Precalculus Mathematics II (5)
PHYS 121 Descriptive Astronomy (5)
PHYS 131 Introductory Physics I (4)
PHYS 161 Mechanics Laboratory (1)
SCED 390 Secondary Science Teaching Methods (6)

Electives
Students must take 4-5 credits of field-oriented coursework. Select from the list below, or from special field courses in Geography or Geology approved by the Earth Science advisor.
GEOG 201 Field Methods (5)
GEOG/BIOL 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)

Minimum total required credits	***64 - 65 credits***
Minimum total elective credits	***4 -5 credits***
Minimum total credits for above Major	***68 - 70 credits***

Professional Education Requirements/ Secondary Education: 50-52 credits

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

Total credits for above Major & Professional Education ***118 - 122 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 GECR. 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 (36 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)
GEOG 305 Introduction to Oceanography (5)
GEOG 314 Weather and Climate (5)
PHYS 121 Descriptive Astronomy (5)
SCED 390 Secondary Science Teaching Methods (6)

Total required credits ***36 credits***
Total credits for above Minor ***36 credits***

Course Requirements for Teacher Certification/Add-On Endorsements

(For students who currently possess a Washington state Teaching Certificate)

General Science/Add-On Endorsement (60 credits)

To improve the marketability of the science teacher, students may wish to complete this option in addition to their B.A.E. 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)

Total required credits ***60 credits***
Total credits for above Add-On Endorsement ***60 credits***

Courses

See Course Descriptions listed under the participating programs and departments: Biology, Chemistry and Biochemistry, Geography and Anthropology, Geology, Mathematics, and Physics.

ECONOMICS

College of Social and Behavioral Sciences
Tom Trulove, Chair
304 Patterson Hall
(509) 359-2281

B.A.
Minors
Faculty: L. Bownds, G. Briand, D. Bunting, G. Forsyth, L. Geddes, T. Karier, L. Kiser, C. Molitor, D. Orr, 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. It 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 M.B.A. 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 B.A. in Economics, or the Economics Major offered through Business Administration, if they want a B.A.B. 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 (B.A.) in Economics

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.

Minimum total required credits	***42 -43 credits***
Total elective credits	***25 credits***
Minimum total credits for above major	***67 - 68 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)

Total required credits	***54 credits***
Total economic elective credits	***15 credits***
Minimum total mathematics credits	***4 -5 credits***
Minimum total credits for above Major	***73 - 74 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.

Total required credits	***10 credits***
Total 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)

Total required credits	***5 credits***
Total 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.

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 GECR 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 GECR 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 GECR 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/WINTER/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 U.S. 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
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)
Prerequisite: ECON 200 or instructor permission.
Examines the principles of insurance and forms of risk management; considers the development and forms of private and social insurance programs. (Cross-listed FINC 432, HSAD 420)

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 healthcare markets. (Cross-listed HSAD 415)

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 IBUS/ACCT 473 or instructor permission.
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.]
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: Prior 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)
Prerequisites: Seniors with 3.2 GPA and above, or M.B.A. 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: Prior permission of the instructor and the department chairman.
Variable topics according to student interests.

ECON 599
Independent Study (1-4)
Prerequisite: Prior permission of the instructor.

ECON 600
Thesis (2-6)
Independent research under the direction of a graduate advisory committee.

ECON 601
Research Report (1-5)
Independent research resulting in a scholarly paper under the direction of the student's graduate committee.

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
Elizabeth Clewett, Chair
302 Williamson Hall
(509) 359-6186

B.A.E.
Minors
Early Childhood Endorsement, Elementary Endorsement
M.Ed.
Continuing and Professional Teaching Certificates
Faculty: E. Ackerman, H. Alvy, G. Ayot, B. Brucker, M. Carpenter, J. Check, R. Hauge, N. Hosking, J. Leach, J. Liu, P. Luse, K. McDaniel, W. Odell, R. Phillips, L. Portner, C. Schulhauser, R. Seedorf, F. Sherwood, N. Todd, J. Uhlenkott, 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 Core Requirements, 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 has the responsibility for supervising and coordinating teacher education for the university and for providing 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, Education 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 of $5.50. In addition, the student must give evidence of good character and fitness, including a Washington State Patrol and FBI fingerprint background check.

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 a particular grade level(s), and an indication of such will appear on the Residency and Professional Certificates.

The Residency Teaching Certificate is valid for five years and may be renewed for two more years if employed as a contracted teacher in WA and if making progress in an approved program. If not employed in WA, candidates can renew for five more years by completing 15 credits since the Residency certificate was issued.

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.

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 subject matter test to receive an endorsement for certification purposes.

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, Intro 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 a WSP clearance and begin the fingerprint background check process.

—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. Admission to Professional Candidacy, EDUC 420 - The student seeking advancement to candidacy must have satisfied the Application/Admission steps and must have completed the following:

- Two thirds of the total credit hours in his/her major and minor.
- Candidates must have a minimum GPA of 2.50 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 CEDP 363, EDUC 201, 303; 304; 310/311; 337; 338; 339; 340; 418.

Secondary: Must have completed Secondary Methods course in Major; CEDP 363, EDUC 201, 303; 340; 341; 413; 419.

The elementary/secondary teaching candidate must complete the Professional Candidacy interview. As part of EDUC 420, the department will schedule for each student an interview with the Professional Candidacy Committee. The purpose of the interview will be to consider the student for recommendation to Professional Candidacy.

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 Field Experiences, Elementary or Secondary. 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 16 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 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 the Director of Field Experiences.

To qualify for student teaching, the candidate must:

- Pass EDUC 420; maintain the required 2.50 GPA in each of the following: major, minor and Professional Education Program.
- Receive no individual course grade below a 2.0 in any of the following: major, minor, or Professional Education Program.
- Have received clearance from the WSP and FBI fingerprint background check.

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.

General Degree Completion Requirements for Education:

Grade Requirement:

2.0 in each course (major, minor, and professional education core)
2.50 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 Core Requirements (GECRs).*

Prerequisites to EDUC 200 for Elementary and Secondary Education Students (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 2.50 GPA calculated on most recent 45 quarter credits
—Speech Requirement:
CMST 200 Intro 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.

Elementary Education Required Courses (111-115 credits)

—Science Requirement: These courses can also be used as a General Education Core Requirement (GECR)
BIOL 115 Investigating Biology (5) **or** BIOL 100 Intro 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: This courses can also be used as a General Education Core Requirement (GECR)
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)
GEOG 101 Fundamentals of Human Geography (5)
EDUC 201 Intro 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 311 Learning Lab - Reading (1)
*EDUC 337 Learning Lab (1)
*EDUC 338 Introduction to Language Arts in the Elementary School (3)
*EDUC 339 Social Studies and Science in the Elementary School (4)
*EDUC 340 Classroom Experience (3)
EDUC 418 Classroom Management - Elementary (3)
EDUC 420 Admission to Professional Candidacy (2)
EDUC 423 Elementary Student Teaching K-8 (16)
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 Teacher (3)
PHED 390 Health and Physical Education in the Elementary Schools (3)
30-hour multicultural education field requirement

One course from the following: 3-5 credits

EDUC 462 Instructional Media and Technology (3)
CEDP 460 Special Education Methods (4)
CSED 311 Computers in the Classroom (4)
ENGL 391 The Teaching of English in the Elementary School (5)
GNML 390 Foreign Language Methods (4)
HLED 365 Teaching Methods in Health (4)
TECH 475 Technology for Elementary Teachers (3)

One course from the following: 3-5 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 Teaching in a Pluralistic Society (3)
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
****Must be taken concurrently***
+Does not satisfy a GECR requirement

Secondary Education Required Courses (50-52 credits)

EDUC 201 Intro to Education (3)
EDUC 303 Evaluation in Education (5)
*EDUC 340 Classroom Experience (3)
*EDUC 341 Secondary Strategies (3)
EDUC 413 Content Area Reading (3)
EDUC 419 Classroom Management - Secondary (3)
EDUC 420 Admission to Professional Candidacy (2)
EDUC 426 Secondary Student Teaching 7-12 (16)
CEDP 302 Educational Psychology (5)
CEDP 363 Introduction to Special Education (4)
30-hour multicultural education field requirement

One course from the following: 3-5 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 Teaching in a Pluralistic Society (3)
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
+Does not satisfy a GECR requirement

***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.*

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

Bachelor of Arts in Education (B.A.E.) for Reading

Reading/Elementary or Secondary Major (45 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 311 Learning Lab - Reading (1)

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 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 Politics of Literacy Senior Capstone (4)
EDUC 497 Approved Reading Workshops, Short Courses or Conferences (Var)
COMD 301 Introduction to Communication Disorders (5)
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)

Total required credits ***38 credits***
Minimum total elective credits ***7 credits***
Minimum total credits for above Major ***45 credits***

Professional Education Requirements/ Elementary Education: 111-115 credits
or
Secondary Education: 50-52 credits

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

Total credits for above Major & Elementary Professional Education ***156 - 160 credits***
Total credits for above Major & Secondary Professional Education ***95 - 97 credits***

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

****Must be taken concurrently.***
*****Must be taken concurrently.***

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 required credits ***17 credits***
Total credits for above Minor ***17 credits***

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 required credits ***26 credits***
Total credits for above Minor ***26 credits***

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 required credits ***31 credits***
Total credits for above Minor ***31 credits***

***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 (28 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 311 Learning Lab - Reading (1)
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 required credits ***28 credits***
Total credits for above Minor ***28 credits***

****Must be taken concurrently.***

Course Requirements for Teacher Certification/Add-On Endorsements

(For students who currently possess a Washington state Teaching Certificate)

Early Childhood/Education Add-On Endorsement (24 credits)

This add-on satisfies the endorsement from birth to grade 3.

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

Early Childhood electives selected with the approval of the advisor.

Total required credits ***17 credits***
Total elective credits ***7 credits***
Total credits for above Add-On Endorsement ***24 credits***

***Note**: A Primary endorsement in elementary education is also required.*

Elementary Education/Add-On Endorsement (77 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)
EDUC 304 Intro 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 Intro to Biology (5)
or an approved life science class with a lab
CEDP 302 Educational Psychology (5)
GEOG 101 Fundamentals of Human Geography (5)
GEOG/GEOL 115 Investigating Earth Science (5)
or an approved research science class with a lab
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)
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

Total required credits ***77 credits***
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

Nancy Todd, Graduate Director
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(509) 359-6094
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The programs available through the Department of Education are designed to provide opportunities for graduate students who desire advanced training in education. The following M.Ed. 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 & 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.

*Curriculum & Instruction with Certification: A program designed for those candidates who desire an M.Ed. degree and a residency teaching certificate for the middle school, junior high, and high school.

Educational Leadership: This degree program meets the requirements of the State Department of Public Instruction for a school principal's certificate.

*Elementary Teaching with Certification: A program designed for those candidates who desire an M.Ed. degree and a residency teaching certificate for teaching in the elementary grades.

*Foundations of Education: Designed for teachers who want a broad understanding of the history, philosophy and organization of education.

*Instructional Media & 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 Specialist: Designed for classroom and reading teachers as they work toward an understanding of the role that literacy plays across the curriculum.

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, 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

Program Advisors:

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Jane.Liu@mail.ewu.edu

Nancy Todd
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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)

Total common requirements	***16 credits***
Minimum credits in specialization	***18 credits***
Select elective support courses approved by advisor	***18 credits***
Minimum total credits for above Master's Degree	***52 credits***

Curriculum and Instruction

Program Advisors:

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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 539 Special Topics: 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)

Total required common requirements ***25 credits***
Total required credits in area specialization ***20 credits***
Minimum total required credits in support area ***3 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

Total required common requirements ***25 credits***
Total required credits in area specialization ***11 credits***
Total required credits in support area ***12 credits***
Minimum total credits for above Master's Degree ***48 credits***

Elementary Teaching Emphasis

Area Specialization

EDUC 531 Elementary School Curiculum (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

Total required common requirements ***25 credits***
Total required credits in area specialization ***24 credits***
Total required credits in support area ***1 credits***
Minimum total credits for above Master's Degree ***48 credits***

Interdisciplinary Emphasis

Area Specialization, Support courses

Chosen with advisor approval

Total required common requirements ***25 credits***
Total required credits in area specialization and support area23 credits
Minimum total credits for above Master's Degree ***48 credits***

Curriculum and Instruction with Certification

Program Advisor:

Nancy Todd
318B Williamson Hall
(509) 359-6094
Nancy.Todd@mail.ewu.ewu

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 M.Ed. 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 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 120, 200, or approved elective).
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.

Curriculum and Instruction with Certification 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 ***12-14 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)

Total common requirements ***16 credits***
Total credits in area specialization ***38 credits***
Minimum total credits for above Certification ***54 credits***

Educational Leadership

Program Advisors:

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Lester Portner
313A Williamson Hall
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Lportner@mail.ewu.edu

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 M.Ed. 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)

Total required common credits	***16 credits***
Total required specialization credits	***32 credits***
Total credits for above Master of Education Degree and Initial Principal's Certificate	***48 credits***

Elementary Teaching with Certification

Program Advisors:

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Fran Sherwood
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This program is available to candidates who hold a bachelor's degree in an area other than education interested in receiving both a M.Ed. 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 120, 200, or approved elective).
3. Life Science class with a lab (recommend BIOL 115)
4. Physical science class with a lab (recommend GEOL or PHYS 115)
5. 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)
One course from the following:
CSED 311 Computers in the Classroom (4)
CEDP 460 Special Education Methods (4)
ENGL 391 The Teaching of English in the Elementary School (5)
GNML 390 Foreign Language Methods (4)
HLED 472 Health Fundamentals and Procedures (5)
TECH 475 Technology for Elementary Teachers (3)

Total credits for certification	***21-23 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)

Total common requirements	***16 credits***
Minimum credits in specialization	***50 credits***
Minimum total credits for above Certification	***66 credits***

Foundations of Education

Program Advisors:

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Rita Seedorf
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rseedorf@mail.ewu.edu

This program is designed for 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.

Total common requirements	***16 credits***
Minimum credits in specialization	***8-12 credits***
Minimum credits in support area	***20-24 credits***
Minimum total credits for above Master's Degree	***48 credits***

Instructional Media and Technology

Nancy Todd, Program Advisor
318B Williamson Hall
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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 & 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)

Total common requirements	***16 credits***
Minimum credits in specialization	***14-18 credits***
Minimum credits in support area	***14-18 credits***
Minimum total credits for above Master's Degree	***48 credits***

Literacy Specialist

Program Advisors:

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Candy Schulhauser
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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)

Total common requirements	***25 credits***
Total area specialization credits	***24 credits***
Minimum total credits for Master's Degree	***49 credits***

Continuing Teaching Certificate

This certificate is the "second-level" certificate for those who have a valid initial teaching certificate. The requirements for this certificate are as follows:

1. A total of 180 days of teaching experience of which 30 days must be with the same district.
2. A master's degree or 45 quarter credits of upper division study earned after a bachelor's degree.
3. A course or course work relating to issues of abuse.

Professional Teaching Certificate

This certificate is the "second-level" certificate for those who have a valid residency teaching certificate. Prior approval is required before admission into a Professional Teaching Certificate Program.

Both the Continuing and Professional teaching certificates are 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

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 200
Admission to the Teacher Education Program (1)
FALL/WINTER/SPRING/SUMMER
Graded Pass/No Credit.
Prerequisites: (CPLA 100 and 101, or Computer Literacy Test Clearance) and (ENGL 101 and 201) and (MATH 211 [Elementary] or MATH 115 [Secondary]) and (CMST 200 or proof of equivalency) and passing the Washington Education Skill Test-Basic (WEST-B) and a minimum of GPA 2.5 in the last 45 credits completed. EDUC 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 required prerequisite to most education courses and admission to the teacher preparation program, 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; legal and professional certification requirements.

EDUC 201
Introduction to Education (3)
FALL/WINTER/SPRING/SUMMER
Prerequisites: Washington State Patrol form submitted.
Overview of the role of the schools in a democratic society; introduction of reflective thinking concept for professional educators; analysis of various philosophical views of teaching and learning and 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/SUMMER
Prerequisites: EDUC 200; Washington State Patrol clearance.
Includes selecting reading and discussion of a variety of children's books. Allows students to become proficient storytellers of quality children's literature. 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 304, concurrent enrollment in EDUC 311. Washington State Patrol clearance.
Processes involved in teaching reading exploration of or related to the total elementary school curriculum (K-8).

EDUC 311
Learning Lab - Reading (1)
FALL/WINTER/SPRING/SUMMER
Graded Pass/No Credit.
Prerequisites: EDUC 304, concurrent enrollment in EDUC 310. Washington State Patrol clearance.
Students complete exercises of review, evaluation, and utilization of reading curriculum materials and textbook series currently being used in elementary school classrooms.

EDUC 325
Teaching in a Pluralistic Society (3)
FALL/WINTER/SPRING/SUMMER
Disclaimer: This course does **not** satisfy EWU GECR requirement for Cultural Diversity. Prerequisite: Washington State Patrol form submitted.
Methods of identifying and supporting multiculture value patterns and life-styles in the school and community curricula related to cultural patterns. Alternative curricular solutions and teaching strategies to deal with the various values and life-styles of a pluralistic society. Ethnic-specific instructional methodologies.

EDUC 337
Learning Lab (1)
FALL/WINTER/SPRING
Graded Pass/No Credit.
Prerequisites: Junior standing, and completion of EDUC 303 and EDUC 310/311; concurrent enrollment in EDUC 338, 339, and 340. Washington State Patrol Clearance/FBI fingerprinting receipt submitted.
Students are provided with (1) knowledge of current textbook series, curriculum sequences, materials, and equipment; and (2) complete selected experiments and exercises currently being used in elementary school science and social studies classrooms.

EDUC 338
Introduction to Language Arts in the Elementary School (3)
FALL/WINTER/SPRING
Prerequisites: Junior standing, and completion of EDUC 303 and EDUC 310/311; concurrent enrollment in EDUC 337, 339, and 340. Washington State Patrol Clearance/FBI fingerprinting receipt submitted.
The place of listening, speaking, and writing skills in the total elementary program.

EDUC 339
Social Studies and Science in the Elementary School (4)

FALL/WINTER/SPRING

Prerequisites: Junior standing, and completion of EDUC 303 and EDUC 310/311; concurrent enrollment in EDUC 337, 338, and 340. Washington State Patrol Clearance/FBI fingerprinting receipt submitted.

Includes formulation of goals for subjects, selection of content to be taught at each grade level, development of daily lesson plans, and unit plans utilizing recommended teaching strategies, participation in teaching lessons in an elementary classroom.

EDUC 340
Classroom Experience (3)

FALL/WINTER/SPRING

Graded Pass/No Credit.

Prerequisites: **Elementary**: Junior standing. EDUC 201, 303, 310/311. Concurrent enrollment in EDUC 337, 338, 339. **Secondary**: Junior standing and EDUC 303. Concurrent enrollment in EDUC 341.

Requires 9 hours per week of field experience in a public school classroom. Field experience activities may include observation, performing aide duties, teaching of lesson plans and units, and using a variety of methods and strategies. Requires teaching a minimum of eight lessons.

EDUC 341
Secondary Strategies (3)

FALL/WINTER/SPRING

Prerequisites: Junior standing and completion of EDUC 303; concurrent enrollment in EDUC 340 and Washington State Patrol Clearance/FBI fingerprinting receipt submitted.

Deals with teaching/learning procedures appropriate for courses in the junior and senior high school. Demonstrates a variety of teaching strategies and develops skills in a few basic instructional techniques. The course is designed to supplement methods course work taken in major department.

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: Prior permission of the instructor and the department chair.

EDUC 401
Reading Instruction and Literature for Young Adults (5)

Prerequisites: EDUC 305, 310, 311 or permission of the instructor. Washington State Patrol clearance.

Designed to provide teachers with the combined skills and information to develop and implement a classroom literacy program for middle and secondary students. Emphasizes assessment and instructional strategies to accommodate student diversity using a selection of literature genres as the curriculum foundation. (Cross-listed LBSC 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, 310 and 311. Washington State Patrol form submitted.

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 340 and 410. Washington State Patrol form submitted.

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; Washington State Patrol form submitted. Required to spend 3 hours weekly in K-12 public schools.

Strategies for handling the classroom environment including management, discipline and individualizing skills. Instructional needs can be met by modifying the organizational pattern 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; Washington State Patrol form submitted. Required to spend 3 hours weekly in K-12 public schools.

Addresses organizational pattern, management skills, discipline practices, individual action and classroom environmental conditions toward providing an optimum learning environment at the secondary level.

EDUC 420
Admission to Professional Candidacy (2)

Graded Pass/No Credit.

FALL/WINTER/SPRING/SUMMER

Fee assessed. Prerequisites: **Elementary**: CEDP 363, EDUC 303, 304, 337, 338, 339, 340, 418; two-thirds of total credit hours in major and minor completed. **Secondary**: CEDP 363, EDUC 303, 340, 341, 413, 419; two-thirds of total credit hours in major and minor completed. All students 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 each of the following: major, minor or Professional Education Program. Methods course in major completed. Washington State Patrol Clearance/FBI Fingerprinting Clearance.

Successful completion of EDUC 420 leads to student teaching candidacy. The candidate is asked to demonstrate characteristics of desirable teacher-pupil relations. An Evidentiary Portfolio will be presented by each candidate documenting Department of Education performance based outcomes, Washington State learning goals and NCATE standards. Evidence is presented to a Professional Admissions Interview Committee made up of one faculty member for the Department of Education, one faculty member from the major department, and one teacher from the K-12 public schools. The committee either admits the candidate to professional candidacy, recommends remedial assignment before admittance, or does not recommend the candidate.

EDUC 423
Elementary Student Teaching K-8 (16)

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.

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.

In this class the candidate student teaches in a special area such as P.E., music, library, special education or another area allowing the candidate to get additional experience.

EDUC 425
Internship Secondary Level (1-18)

FALL/WINTER/SPRING

Graded Pas/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.

This class is designed to give the candidate student teaching experience in a new area or provide additional student teaching experience.

EDUC 426
Secondary Student Teaching 7-12 (16)

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.

EDUC 427
General Student Teaching K-12 (1-16)
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.
For information regarding prerequisites, arrangements, and assignments, contact the Department of Education.

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 ECE (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
Fee assessed. 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/WINTER/SPRING/SUMMER
Fee assessed. Prerequisite: Washington State Patrol form submitted or permission of the instructor.
For teachers in all areas, librarians and media specialists, a practical laboratory experience using the latest computer technology. Production of power points presentations, creating graphs and charts, 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. All items the students produce remain their property, therefore, it is recommended that the students bring plenty of ideas.

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
Politics of Literacy Senior Capstone (4)
[satisfies senior capstone university graduation requirement.]
Prerequisite: Senior standing.
The course is designed to identify and examine the important connections between school, the society it serves, the economy, and social justice. This course will tackle tough questions about issues which affect children and the education they receive. Students will be challenged to begin thinking, researching, and discussing complicated issues such as how do politics and changing demographics affect each of the following: how reading is taught, how poverty and diversity influence literacy acquisition and instruction, and how literacy is promoted in the home. The course includes a lab portion that consists of the service learning hours that the students will be required to perform. The minimum number of hours of service would be 20 for the quarter. Field trip times to be arranged.

EDUC 494
Practicum Seminar for Reading Majors (2)
FALL/WINTER/SPRING/SUMMER
Prerequisites: EDUC 410, 340. Washington State Patrol Clearance/FBI Fingerprinting receipt submitted. Must be taken concurrently with EDUC 495.
Students 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 340, 410. Washington State Patrol Clearance/FBI Fingerprinting receipt submitted. EDUC 494 must be taken concurrently.
The student is supervised while teaching literacy in a classroom setting. Required before student teaching.

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, prior 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 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 prior 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)
Prerequisite: EDUC 490 or permission of the instructor.
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 prior permission of the instructor.
An in-depth study of the components of early childhood education curriculum, curriculum models and research regarding early childhood education programs.

EDUC 587
Readings in School Administration (1-4)
An advanced course for students wanting to study the current literature on school administration. Students will develop an annotated bibliography from a specific area of school administration.

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 592
Supervised Practicum in Literacy (4)
Prerequisite: EDUC 591.
Supervised practicum experience working with students who are enrolled in the departments student literacy program.

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: Prior 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 prior 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.

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/SUMMER
Prerequisites: EDUC 200; Washington State Patrol clearance.
Includes selecting, reading and discussion of a variety of children's books. Allows students to become proficient storytellers of quality children's literature. 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/SUMMER
Prerequisites: EDUC 305, 310, 311 or permission of the instructor. Washington State Patrol clearance.
Designed to provide teachers with the combined skills and information to develop and implement a classroom literacy program for middle and secondary students. Emphasizes assessment and 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: Prior permission of the instructor and the department chair.

LBSC 599
Independent Study (1-3)
Prerequisite: Prior 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

B.A.
Faculty: D. Bennett, T. Mullin, M. Smith

UNDERGRADUATE PROGRAM

The Electronic Media & 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 review 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 A.A. 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 program 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 B.A. major in EMAF.

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

Bachelor of Arts (B.A.) in Electronic Media, Theatre and Film

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 (5)
EMAF 465 Filmic Arts History I (4)
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 required credits ***81 credits***
Total credits for above Major ***81 credits***

GRADUATE PROGRAM

The Department of Electronic Media, Theatre and Film does not offer a graduate degree 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 of this catalog. The M.S. in Communications program is also described elsewhere in this catalog. Proposed interdisciplinary programs must be developed in consultation with a Electronic Media, Theatre and Film advisor, and submitted in compliance with requirements listed under Interdisciplinary Graduate Programs.

Courses

Note: *Any student enrolling in upper-division courses must be an EMAF major or have prior 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 210
Radio Production (3)
Basic radio production techniques including an examination of radio transmission and radio production equipment, development of reel-to-reel editing skills using the splicing method, the use of sound effects and creative productions as well as a basic understanding of sound.

EMAF 214
Filmic Arts and the Humanities (5)
[satisfies the GECR 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 lone 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.
Prerequisite: EMAF 110, 214, 221.
Experience writing the short film. Developing story through character, dialogue and action. Criticism and revision are emphasized 5 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: Prior 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 roleplay situations. (3 lectures, 1 practicum per week)

EMAF 411
Summer Television Drama Production (5)
Prerequisites: Upper division standing and/or consent of instructor.
An intensive five credit course in which television students will mount two original half-hour television dramas. This television production course will place heavy emphasis on all aspects of pre-production, production and post production including musical and sound tracking, looping and wild tracking.

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 431
Broadcast and Cable Promotion (4)
The development and execution of broadcast and cable promotion and public relations activities; audience research and analysis, development of objectives, creative strategy, determining and choosing options for executive, and evaluation are covered. Use of public relations to develop station/franchise image.

EMAF 451
Law and Ethics for Producers (4)
Prerequisites: 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)
Prerequisites: EMAF 214, 221, and 110.
History and development of the filmic arts from inception through the 1950s. Emphasis on analysis, critical thinking and writing. 3 lectures/discussions, 4 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)
Prerequisites: 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 n Radio-Television (5-12)
Prerequisites: Prior 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 TECHNOLOGY AND MULTIMEDIA DESIGN

College of Science, Math and Technology
Michael A. Brzoska, Chair
200B Cheney Hall
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B.A., B.S.
Minor
Faculty: J. Braukmann, M. Breen, M. Brzoska, J. Donnerberg, M. Koh, W. Loendorf, D. Richter, E. Rodriguez-Marek

UNDERGRADUATE PROGRAMS

Students studying in the Department of Engineering Technology and Multimedia Design (TECH/ENGR) may select from a broad number of disciplines that include Computer and Mechanical Engineering Technology, Graphic Design/Communication, Construction, Design, Electronics, and Manufacturing. The primary goal of the Department of Engineering Technology and Multimedia Design is to provide students the technical background required for careers in business, industry, or education. Course work within each program offers experiences in many areas of technology that enhance the preparation of technology graduates.

The Department of Engineering Technology and Multimedia Design faculty, facilities, and equipment reflect a commitment to maintaining program relevance. Computer-assisted drafting and manufacturing, networking, microprocessors, electronics, graphic design/web design, robotics and materials processing laboratories, and a variety of 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.

A two year pre-major program in engineering is offered in cooperation with Washington State University, University of Washington, and engineering programs at other institutions.

Engineering Technology and Multimedia Design Departmental Scholarship Information: The Department awards two scholarships annually: the Boeing 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 Technology and Multimedia 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 requirement before the junior year likely will delay graduation.

In order to graduate, students majoring in Technology must earn a 2.50 GPA in Technology course work. Students minoring in Technology must also earn a 2.50 GPA in Technology 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, electrical, 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 (B.A.) in Technology

Graphic Communications Major (74 - 79 credits)

A major in graphic communications 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.

Required Courses
Core Courses
TECH 100 Engineering Drafting I (4)
TECH 265 Graphic Communication (4)
TECH 216 Computer Graphics (4)
TECH 360 Desktop Publishing (4)
TECH 363 Layout and Design (4)
TECH 366 Electronic Prepress Production (4)
TECH 368 Electronic Publishing (4)
TECH 369 Advanced Web Design (4)
TECH 393 Technology in World Civilization (4)
TECH 443 Advertising Design (4)
TECH 495 Internship (3-7)

Supporting Courses
ART 107 Basic Design (5)
or ART 300 Drawing (5)
CMST 200 Introduction to Speech Communication (4)
or CMST 350 Small Group Communication (5)
ENGL 205 Introduction to Technical Writing (5)
ENGL 305 Professional Writing (5)
Approved TECH Electives (12)
Approved Capstone course required

Minimum total core credits	***43 - 47 credits***
Minimum total supporting credits	***19 - 20 credits***
Total TECH elective credits	***12 credits***
Minimum total credits for above Major	***74 - 79 credits***

Note: *The above major does require the completion of an approved minor. This adds a minimum of **20** credits (in the cases of Art and Communication).*

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 on 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 have had two years of one foreign language in high school or one year of foreign language in college. It this assumption is not true, the student will have to take one year of foreign language at EWU (15 credits).

c. Students will have satisfied University Competencies. It 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: *MATH 115 is recommended for the above major.*

Bachelor of Science (B.S.) in Technology

The major options listed below are designed for students interested in employment in business, industry, and education.

Computer Engineering Technology Major (144 - 146 credits)

This major 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.

The computer engineering technology degree program is designed to accommodate and to complement the previous

studies of students who hold associate degrees in either electronic or computer technology from Washington State's community colleges. Please consult with an advisor from the department.

Courses Required for Computer Engineering Technology Major

Required Core Courses

ENGR 160 Digital Circuits (4)
ENGR 250 Digital Hardware (2)
ENGR 260 Microprocessors I (4)
TECH 208 Survey of Electricity (4)
TECH 377 Microprocessors II (4)
TECH 393 Technology in World Civilization (4)
TECH 425 Computer Architecture and Design (4)
TECH 491 Senior Project (4)
or TECH 495 Internship (4)
TECH/CSCD Approved Elective (12)
CMST 200 Introduction to Speech Communication (4)
CSCD 205 Programming Principles Lab I (1)
CSCD 225 Programming Principles I (5)
CSCD 226 Programming Principles II (5)
CSCD 326 Data Structures I (4)
CSCD 327 Data Structures II (4)
TECH 416 Data Communications (4)
or CSCD 333 Networking Programming (4)
ENGL 205 Introduction to Technical Writing (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)

Hardware Engineering Technology Option

ENGR 110 Engineering Graphics (5)
TECH 308 Circuit Analysis (4)
TECH 355 Computer-Aided Design for Electronics (4)
TECH 385 Robotics and Automated Systems (4)
TECH 408 Electronics (4)
TECH 409 Radio and Communication Electronics (4)
TECH 490 Senior Capstone: Production Laboratory (4)
CSCD 325 Object-Oriented Programming (3)

Total required core credits	***114 credits***
Total option credits	***32 credits***
Total credits for above Option	***146 credits***

Software Engineering Technology Option

TECH 421 Fundamentals of Network Security (4)
TECH 490 Senior Capstone: Production Laboratory (4)
or CSCD 490 Computer Ethics Senior Capstone (4)
CSCD 228 Introduction to UNIX (2)
CSCD 229 C Programming Language (3)
CSCD 350 Software Design (5)
CSCD 425 Database Management Systems (4)
CSCD 450 Software Engineering I (4)
CSCD 451 Software Engineering II (4)

Total required core credits	***114 credits***
Total option credits	***32 credits***
Total credits for above Option	***144 credits***

Free Electives

0-5 credits of free electives as required to meet 186 total credits for hardware engineering technology option
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:*

a. 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.

b. Students will enter EWU prepared to take calculus. If this assumption is not true, then the student will have to complete MATH 105, Precalculus Mathematics I, 5 credits and MATH 106, Precalculus Mathematics II, 5 credits.

c. 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 Major (145 - 146 credits)

This major 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 coursework 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 (4)
ENGR 210 Circuits II (5)
ENGR 250 Digital Hardware (2)
ENGR 260 Microprocessors I (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 490 Senior Capstone (4)
TECH 393 Technology in World Civilization (4)
CHEM 151 General Chemistry (5)
CSCD 205 Programming Principles Lab I (1)
CSCD 225 Programming Principles I (5)
CSCD 226 Programming Principles II (5)
ENGL 205 Introduction to Technical Writing (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 elective (10)
EE/MATH elective (typically MATH 225 (5))

Minimum total required credits	***145 - 146 credits***
Minimum total credits for above Major	***145 - 146 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 will enter EWU prepared to take calculus. If this assumption is not true then the student will have to complete MATH 105, Precalculus Mathematics I, 5 credits and MATH 106, Precalculus Mathematics II, 5 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.)

Mechanical Engineering Technology Major (134 - 141 credits)

This major 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 230 Scientific Programming in FORTRAN (5)
or CSCD 225 Programming Principles I (5)
ENGL 205 Introduction to Technical Writing (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 Major	***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:*

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.

Technology Major 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 Coursework

TECH 330 Technology Problem Analysis and Design I (3)
TECH 331 Technology Problem Analysis and Design II (3)
TECH 360 Desktop Publishing (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)

Coursework from EWU or Approved Community College Coursework (60 credits)

College Coursework

CHEM 151 General Chemistry (5)
ENGL 101 College Composition: Exposition and Argumentation (5)
ENGL 201 College Composition: Analysis, Research, and Documentation (5)
MATH 105 Precalculus Mathematics I (5)
MATH 106 Precalculus Mathematics II (5)
PHYS 131 Introductory Physics I (4)
PHYS 132 Introductory Physics II (4)
PHYS 161 Mechanics Laboratory (1)
PHYS 162 Heat and Optics Laboratory (1)
Humanities and Fine Arts and Social Sciences (25)

Upper division substitutions may be made for 15 credits—See departmental list

Minimum total EWU coursework credits	***50 - 51 credits***
Total college coursework credits	***60 credits***
Minimum credits for above Major	***110 - 111 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 coursework 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 Major 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 Writing (5)
MGMT 120 The World of Business (5)
MATH 105 Precalculus Mathematics I (5)
MATH 106 Precalculus Mathematics 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)

Total required credits	***70 credits***
Total required supporting credits	***51 credits***
Total credits for above Major	***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:*

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 Major 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 Writing (5)
MGMT 120 The World of Business (5)
MATH 105 Precalculus Mathematics I (5)
MATH 106 Precalculus Mathematics 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)

Total required credits	***73 credits***
Total required supporting credits	***39 credits***
Total credits for above Major	***112 credits***

Note: *The above major can be competed 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 Major with Electronics Option (137 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 Microprocessors I (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 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)
CSCD 333 Networking Programming (4)
ENGL 205 Introduction to Technical Writing (5)
MATH 105 Precalculus Mathematics I (5)
MATH 106 Precalculus Mathematics II (5)
MGMT 120 The World of Business (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)
CHEM Elective (must have a lab) (5)
CSCD Electives (two quarters of high level computer languages) (8)
MATH and Science Electives (10)

Total required credits	***71 credits***
Total required supporting credits	***66 credits***
Total credits for above Major	***137 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 Major 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 Writing (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)

Total required credits	***74 credits***
Total required supporting credits	***41 credits***
Total credits for above Major	***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

Required Courses (9 credits)

ENGR 110 Engineering Graphics (5)
TECH 393 Technology in World Civilization (4)

Electives

With prior approval of your Engineering Technology and Multimedia Design Department advisor, select Technology courses, eight credits of which must be upper-division courses.

Total required credits	***9 credits***
Total elective credits	***15 credits***
Total credits for above Minor	***24 credits***

GRADUATE PROGRAM

Engineering Technology and Multimedia Design offers courses that students may use as part of a degree in college instruction, communications, multimedia programming, and other interdisciplinary areas. These programs are listed in their respective graduate catalog sections.

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-Mckluskey procedure. Computer laboratory work will involve the use of current software for the design, analysis, and simulation of digital circuits.

ENGR 209
Circuit Theory (4)

Prerequisites: (MATH 161 and PHYS 153) or permission of the instructor.
Application of fundamental concepts of circuit theory and analysis; mathematical models of electric components and circuits. Residential wiring and amplifying devices.

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
Microprocessors I (4)

WINTER

Prerequisite: ENGR 160 or permission of the instructor.
Introductory course on microprocessor and microcontroller systems' organization. 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, and interrupts.

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 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.

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 265
Graphic Communication (4)
FALL/SPRING
Prerequisites: CPLA 101 and (ART 107 or 300).
The course covers fundamentals of graphic communication including screen, offset and digital printing, electronic publishing; and related processes used in advertising, publications, and visual communication.

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 a.c. and d.c. 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 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
Elements of Photography (5)
SPRING
A laboratory course in the use of 35mm and view cameras, contact printers, enlargers, studio lights, types of film, developers, and papers.

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 360
Desktop Publishing (4)
FALL/WINTER/SPRING
The course covers principles of design, typography, word processing, graphics, and desktop publishing software programs. Emphasis is on skills required for basic literacy as well as the effective design of common applications such as brochures, newsletters, and books.

TECH 363
Layout and Design (4)
FALL/SPRING
Prerequisite: TECH 216 or 360.
This course is an introduction to the creative process behind visual communication design. The focus is on the principles of design and layout such as basic design elements, typography, color theory, visual literacy, and creative problem solving. The goal of class projects will be exposure to a variety of design problems and development of design sensibility.

TECH 366
Electronic Prepress Production (4)
WINTER
Prerequisite: TECH 265.
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
Electronic Publishing (4)
FALL/WINTER
Prerequisites: (1) TECH 216 or CSCD 225 or permission of the instructor; and (2) Computer Literacy or permission of the instructor.
The course covers professional methods for designing, producing, publishing, transmitting, and accessing information over the INTERNET and local area networks. Students design, produce and distribute electronically web pages, text, still graphics, animated graphics, and audio. Emphasis is on developing effective visual and logical 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: ENGR 260.
A continuation of ENGR 260, this laboratory course is centered around the design and development of a prototype industrial system. 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 prior 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 393
Technology in World Civilization (4)
FALL/WINTER/SPRING
[satisfies international studies university graduation requirement.]
Prerequisite: Junior standing.
A historical perspective of the evolution of technology in a global context. Students will investigate the ambiences surrounding technological change in discrete cultural settings. (4 hours lecture per week)

TECH 396
Experimental Course (1-6)
FALL/WINTER/SPRING/SUMMER

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 prior 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 prior 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 prior 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 333.
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.
Computer structure and organization primarily from a hardware standpoint; central processing units, input/output and memory systems. (3 hours lecture, 3 hours laboratory per week)

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 443
Advertising Design (4)
SPRING
Prerequisites: (1) TECH 363; and (2) TECH 216 or 360.
Through a theoretical and practical examination of advertising's role in society, this course introduces students to the principles of visual communication as used in advertising design.

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 465
Technical Studies (1-5)
FALL/WINTER/SPRING/SUMMER

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 massed 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: Prior permission of the instructor.
Independent and/or group study and implementation of a design and development project. (variable time)

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: Prior 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 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: Prior permission of the instructor and the department chair.
Course may be repeated within the six credits allowed to fulfill the student's goal 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

B.A., B.A.E.
Minors
English Endorsement, Language Arts Endorsement
M.A., M.F.A.
Certificate
Faculty: L. Briggs, T. Carnegie, D. Elder, J. Eng, A. Flinn, C. Howell, J. Johnson, J. Keeble, N. Kusz, P. Lindholdt, J. Logan, S. McGinty, T. McHenry, R. Olafson, L. Reeves, R. Ridings, P. Scott, G. Smith, 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 Tieje 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 3.00 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.

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 B.A. 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 (B.A.) in English

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 school, 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 Twentieth Century American Literature (5)
ENGL 445 Twentieth 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: 5 credits

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 Desktop Publishing (4)

Total pre-major requirement credits	***15 credits***
Total required literature survey credits	***25 credits***
Minimum total required creative writing credits	***25 credits***
Minimum 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 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 3.00 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 Twentieth 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 Twentieth 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)
Criticism (5 credits)
Select one of the following courses:
ENGL 470 History of Critical Thought (5)
ENGL 471 Theory and Practice of Modern Criticism (5)
ENGL 473 Narrative Strategies of Fiction (5)

Elective

Select 400-level literature course.

Total pre-major requirement credits	***10 credits***
Total department core credits	***25 credits***
Total required literature credits	***30 credits***
Total elective credits	***5 credits***
Total credits for above Major	***70 credits***

English Major with Technical Communications Option (69 - 71 credits)

Technical Communications is a professional program designed to help students pursue careers in writing and editing for journals or for business, science, industry, and government. An important feature of this concentration is the senior year internship (ENGL 405), requiring at least 200 hours of supervised work in a business, industry, or agency related to the student's academic preparation and career goals.

All Technical Communications majors are required to demonstrate word processing proficiency and are advised to acquire an understanding of a computer language.

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 3.00 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:
ENGL 205 Introduction to Technical Writing (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 Writing (5)
ENGL 499 Directed Study: Portfolio Assessment (1) (to be taken in student's final quarter)
Internship (5 credits minimum)
Select credits from the following:
ENGL 395 Field work (1-10)
ENGL 405 Technical Writing Internship (1-12)
ENGL 495 Professional Internship (1-15)
Editing (4-5 credits minimum)
Select one or both of the following courses:
ENGL 409 General Editing Problems (5)
JRNM 337 Editing and Publishing (4)

Electives

Selected in consultation with English Technical Writing faculty and normally including at least one course in each of the following areas:

Computer Concepts, for example
CSCD 490 Computer Ethics Senior Capstone (4)
MISC 211 Information Technology in Business (4)
Printing/Production, for example:
TECH 265 Graphic Communication (4)
TECH 360 Desktop Publishing (4)
Oral Communication, for example:
CMST 200 Introduction to Speech Communication (4)
CMST 331 Interviewing (5)
Special Topics in Technical Writing, for example:
ENGL 404 Software Documentation (5)
ENGL 407 Proposal Writing (5)
JRNM 451 Introduction to Public Relations Theory (4)

Total pre-major requirement credits	***15 credits***
Total department core credits	***25 credits***
Minimum total technical communications required credits	***15 - 16 credits***
Minimum total elective credits	***14 - 15 credits***
Minimum total credits for above Major	***69 - 71 credits***

Bachelor of Arts in Education (B.A.E.) for English

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 3.00 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

Total pre-major requirement credits	***10 credits***
Total required elementary English credits	***20 credits***
Total elective credits	***15 credits***
Total credits for above Major	***45 credits***

Professional Education Requirements/ Elementary Education: 111-115 credits

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

Total credits for above Major & Professional Education	***156 - 160 credits***

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 Writing (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.)

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)
Please see your advisor for the appropriate section.
ENGL 493 Teaching Literature to Adolescents (5)

Electives

Select two or more 300- or 400-level literature courses in consultation with departmental advisor.

Total pre-major requirement credits	***15 credits***
Total required department core credits	***25 credits***
Total required secondary English credits	***20 credits***
Minimum total elective credits	***10 credits***
Minimum total credits for above Major	***70 credits***

Professional Education Requirements/ Secondary Education: 50-52 credits

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

Minimum total credits for above Major & Professional Education	***120 - 122 credits***

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 GECR in Humanities unless they have AA degrees from an approved community college.*

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

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 with General Interest Option (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 300- or 400-level English course.

Total required credits	***15 credits***
Total elective credits	***5 credits***
Total credits for above Minor	***20 credits***

English Minor with Technical Writing Option (25 credits)

Required Courses

ENGL 205 Introduction to Technical Communication (5)
ENGL 271 Introduction to Poetry (5)

Select three 300 or 400-level English courses in consultation with Technical Writing faculty.

Total required credits	***10 credits***
Total select required credits	***15 credits***
Total credits for above Minor	***25 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 required credits	***25 credits***
Total credits for above Minor	***25 credits***

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-Classic Period (5)
ENGL 331 Survey of British Literature from Blake to the Present (5)
ENGL 332 Survey of American Literature (5)

Total required credits	***40 credits***
Total credits for above Minor	***40 credits***

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 Writing (5)
ENGL 350 Shakespeare (5)
ENGL 408 The Composition Process (5)
ENGL 459 Grammar for Teachers (5)
ENGL 499 Directed Study (5)
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)

Total required credits	***45 credits***
Total credits for above Add-On Endorsement	***45 credits***

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 GECR in Humanities unless they have degrees from an approved community college.*

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 350 Small Group Communication (5)
or CMST 310 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 required credits ***64 - 65 credits***
Minimum total credits for above Add-On Endorsement ***64 - 65 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 M.A. 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 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 & 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 Ph.D. 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 & 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.

Total core credits 30 credits
Total credits for rhetoric & composition concentration 30 credits
Total credits for technical communication concentration 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 601 Professional Essay (5)

Electives (10-15)

Minimum total credits for above Master's Degree 60 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 coursework, 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

Gregory Spatz, Program Director
408C Spokane Center
(509) 623-4221/4371
writing@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 M.F.A. 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 M.F.A., 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:

1. Poetry
2. Fiction
3. 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)

1. Literary editing
2. Literary studies
3. Studies in a modern language
4. Studies in another art form: music, dance, etc.
5. Teaching composition
6. Teaching English as a second language
7. Technical and professional writing

Variations are possible following consultation with student's program advisor.

Minimum total credits for above Master of Fine Arts Degree ***72 credits***

Courses

***Terms Offered**: If no terms are indicated, check with department or quarterly Course Announcement.*

CRWR 210
Introduction to Creative Writing (5)
Designed to introduce students to the process, techniques, and forms of creative writing - poetry, fiction, 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: Prior 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: M.F.A. 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 Nature of Narrative (5)
Prerequisite: M.F.A. or English M.A. students (others with instructor permission).
A study beginning with the early narratives, such as religious and mythic narratives, epics, and folk tales, moving through such defining works as those by Chaucer, Boccaccio, Cervantes, and Grimmelshausen. The course ends with examination of eighteenth through mid-nineteenth century works by such authors as Stern, Defoe, the Brontës, Austen, Dickens, Stendahl, Eliot, Hawthorne, and Melville.

CRWR 584
Fiction II—The Moderns (5)
Prerequisite: M.F.A. or English M.A. students (others with instructor permission).
A beginning point would be the mid-to-late nineteenth century work of Flaubert, Dostoevsky, and George Eliot. The course will then focus on the period of narrative exploration during the first 50 to 70 years of the 20th century. Examples of works examined would be those of Richardson, Joyce, Woolf, Kafka, Mann, Celine, Barnes, Robbe-Grillet, Sarraute, Stein, Wright, Borges, Faulkner, and O'Connor.

CRWR 585
Fiction III—The Contemporaries (5)
Prerequisite: M.F.A. or English M.A. students (others with instructor permission).
A survey of literature of the last 30 to 40 years with an emphasis on the worldwide explosion of printed fiction in several forms—the short story, the integrated collection, novel, and novella. The course might focus on a problem or on several writers. Examples of writers to be considered are Marquez, Morrison, Achebe, Barth, J. Berger, Welch, Munro, Mishima, and Pynchon.

CRWR 586
Literary Nonfiction I—Ancient Roots Through the 19th Century (5)
Prerequisite: M.F.A. or English M.A. 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: M.F.A. or English M.A. 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: M.F.A. or English M.A. 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: M.F.A. or English M.A. 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: M.F.A. or English M.A. 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: M.F.A. or English M.A. 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)

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 GECR 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 Writing (5)
FALL/WINTER/SPRING

Prerequisite: ENGL 101 or 201.
To develop skills for presenting factual information through writing instructions; describing mechanisms, processes, systems; and preparing brief research papers. Writing for utilitarian purposes in the scientific, business, and technical disciplines.

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: Prior 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 Writing (5)
WINTER

Prerequisites: ENGL 201 and 205.
Writing instruction manuals, company brochures, product descriptions, abstracts, newsletters, research reports, proposals, etc. Practical experience through participation in on-campus writing projects.

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 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 (4)
WINTER

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-2000
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 405
Technical Writing Internship (1-12)
FALL/WINTER/SPRING/SUMMER
May be repeated. Prerequisite: ENGL 305.
A minimum of 40 hours work per quarter as a student-intern in technical communications for a cooperating business, industry, or agency. Students may earn from 1 to 12 credits, depending on the number of hours worked during the quarter.

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
General Editing Problems (5)
WINTER
Prerequisite: ENGL 201.
Editing skills needed for a variety of specialized purposes, from technical manuals to literary magazines.

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
Twentieth 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)
FALL/WINTER/SPRING/SUMMER
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-2000
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 470
History of Critical Thought (5)
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.
The history and development of Western literary criticism and theories of literature.

ENGL 471
Theory and Practice of Modern Criticism (5)
SPRING
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 analysis of various approaches used in modern (20th century) criticism with emphasis upon British and American literary critics.

ENGL 473
Narrative Strategies of 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.
An examination of theories of value and effect in prose fiction, concentrating upon the work of such writers and critics as James, Auerbach, Booth, Scholes, Lodge, and Iser.

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
[satisfies senior capstone university graduation requirement.]
See your major department advisor for the appropriate section number.

ENGL 493
Teaching Literature to Adolescents (5)
FALL-1998/WINTER-2000
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 Internship (1-15)
FALL/WINTER/SPRING/SUMMER

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: Prior 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 prior 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: Prior 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 Seventeenth 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 Eighteenth 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 Nineteenth 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 Twentieth 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 eighteenth 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 M.A. 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: Prior 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.

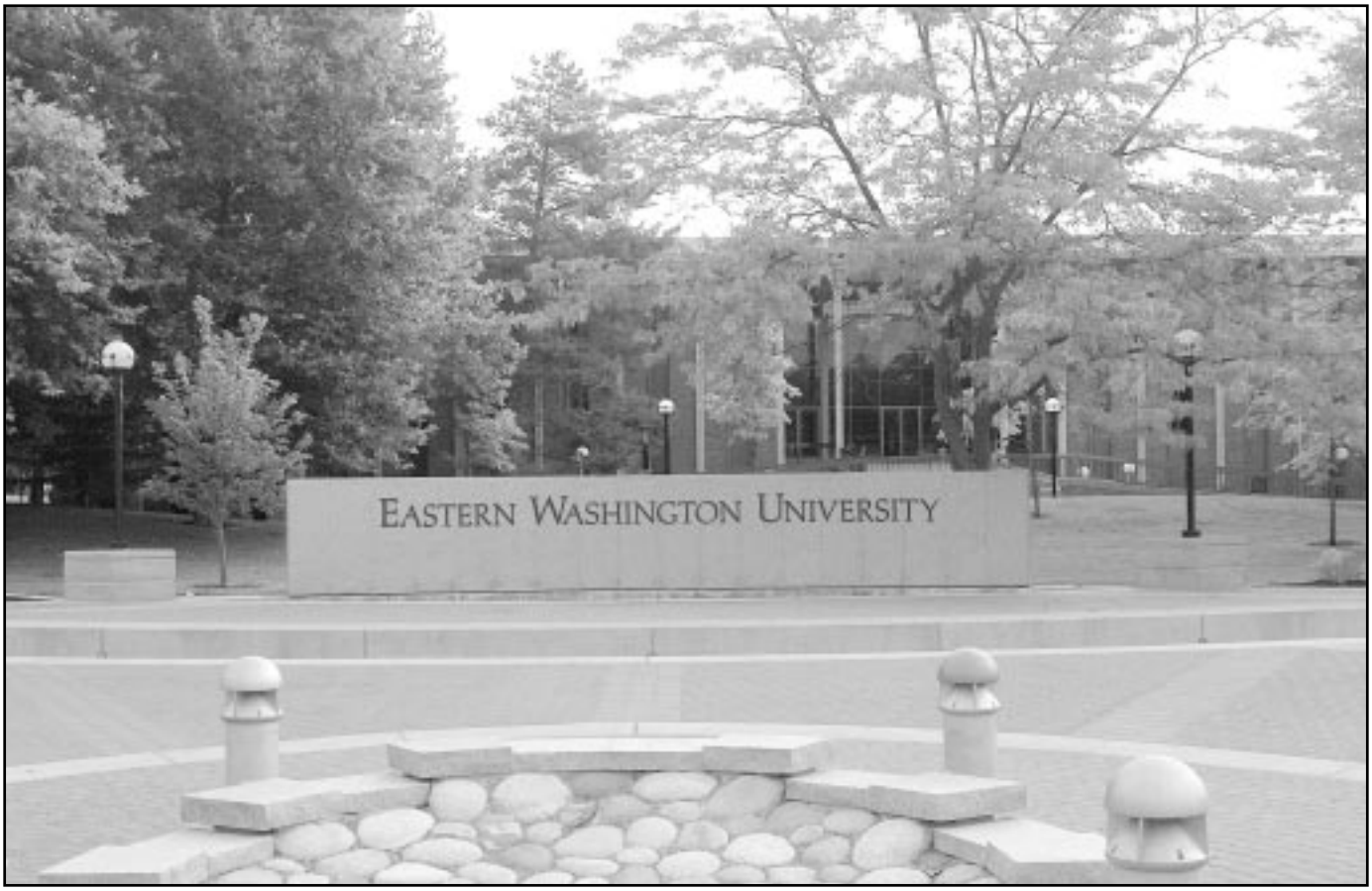
ENGL 694
Internship in Teaching Developmental Writing (1)
Training in the procedures, techniques, and materials used in developmental writing courses as a part of a college program. Students will have full responsibility for a class while enrolled in this internship.

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

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 notetaking that prepares students to discuss issues in seminar. Emphasis is given to analyzing, synthesizing, and evaluating university level content from lectures and GECR 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
Janine Alden, Program Director
109B Louise Anderson Hall
(509) 359-7359

Minor
Faculty: J. Alden, B. Bent, M. Brooks, V. Eberly, S. Lattimore, T. McHenry, E. Renshaw, R. Werckle

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 U.S. (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)

Total required credits	***19 credits***
Minimum total elective credits	***7 - 8 credits***
Minimum total credits for above Minor	***26 - 27 credits***

***Note**: This minor satisfies the endorsement for Preschool to grade 12.*

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, Math and Technology
Biology:

Ross Black
234B Hall of Sciences
(509) 359-4727

Suzanne Schwab
268 Hall of Sciences
(509) 359-4727

Chemistry/Biochemistry:

Jeff Corkill
228 Hall of Sciences
(509) 359-6518

Geology

John Buchanan (Program Director)
120 Hall of Sciences
(509) 359-7493

Rik Orndorff
124 Hall of Sciences
(509) 359-2855

B.S.

UNDERGRADUATE PROGRAM

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

Bachelor of Science (B.S.) in Environmental Science

Environmental Science Major (137 - 142 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

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 304 Applications of Statistics II (4)
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)
MATH 162 Calculus II (5)
X488 Environmental Reg. Framework (3)[1]
X412.7 Introduction to Geographic Information Systems (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)

Total required environmental science credits	***93 credits***
Total required general biological knowledge credits	***26 credits***
Total required organism and/or habitat-specific knowledge credits	***15 credits***
Minimum total required applied biology and management credits	***3 - 4 credits***
Minimum total credits for above Emphasis	***137 - 138 credits***

Environmental Chemistry (45-49 credits)

a. All Required Supporting Courses

PHYS 151 General Physics (4)
PHYS 152 General Physics (4)
PHYS 153 General Physics (4)

Select one (3-5 credits)
CSCD 225 Programming Principles I (5)
CSCD 229 C Programming Language (3)
CSCD 230 Scientific Programming in Fortran (5)
CSCD 234 Visual Basic Programming (3)

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 (3)
CHEM 418 Modern Analytical Chemistry (5)
CHEM 422 Physical Chemistry (3) **and** CHEM 431 Physical Chemistry Lab (1)
CHEM 480 Biochemistry (5)

Total required environmental science credits	***93 credits***
Minimum total required supporting credits	***15 - 17 credits***

Total required general chemistry credits ***26 credits***
Minimum total chemistry elective credits ***4 - 6 credits***
Minimum total credits for above Emphasis ***138 - 142 credits***

Environmental Geology (47-48 credits)

All Required Geology Courses

GEOL 122 Historical Geology (5)
GEOL 211 Mineralogy I (4)
GEOL 212 Mineralogy II (4)
GEOL 213 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 475 Engineering Geology: Soils (4)

Select any two: (9-10 credits)

GEOL 360 Geologic Hazards (4)
GEOL 462 Principles of Geochemistry (5)[3]
GEOL 465 Analysis of Metals in Environmental Samples (5)[3]

Total required environmental science credits ***93 credits***
Total required geology credits ***47 - 48 credits***
Total credits for above Emphasis ***140 - 141 credits***

[1]Course under development - see Program Director.

[2]Students 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 insure that students are not required to take two capstone courses.

Courses

Terms Offered*: If no terms are indicated, check with department or quarterly Course Announcement.*

ENVS 100
Introduction to Environmental Science (5)
[satisfies the GECR 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 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.

FOOD AND NUTRITION/ DIETETICS

Follows section on DENTAL HYGIENE.

FRENCH

See MODERN LANGUAGES AND LITERATURES AND PHILOSOPHY.

GEOGRAPHY AND ANTHROPOLOGY

College of Social and Behavioral Sciences
Sarah A. C. Keller, Anthropology Chair
103 Isle Hall
(509) 359-2433

Daniel E. Turbeville, III, Geography Program Director
119 Isle Hall
(509) 359-2270

B.A.
Minors
Faculty: M. Folsom, J. Galm, S. Keller, E. Lapoint, R. Quinn, F. Strange, D. Turbeville, S. Warren

UNDERGRADUATE PROGRAMS

The Department of Geography and Anthropology offers courses of study leading to the Bachelor of Arts. The Department's offerings are divided into two major programs: Geography and Anthropology. The Bachelor of Arts is offered in both Geography and Anthropology. Minors in Geography and Anthropology are offered under both baccalaureate degrees.

The Department of Geography and Anthropology has a number of physical facilities available for student use in conjunction with coursework. Included are: a physical anthropology laboratory, a cartography laboratory, and a map library. In addition, a GIS and computer mapping laboratory is available.

Admissions Requirements for Geography and Anthropology: 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 (B.A.) in Anthropology

Anthropology Major (61 credits)

Offers students the opportunity to explore the human condition in every part of the world and all periods of history and prehistory. Specifically, the Bachelor of Arts degree in Anthropology is designed to meet the needs of students who wish 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 professional studies in such fields as the social sciences, education, and law.

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

Required Courses

ANTH 101 Cultural Anthropology (5)
or ANTH 305 Social Anthropology (5)
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)
or Equivalent in linguistics (5)
ANTH 493 Portfolio Assessment (1)

Electives

Select in consultation with department advisor.

Total required credits	***31 credits***
Total elective credits	***30 credits***
Total credits for above Major	***61 credits***

Bachelor of Arts (B.A.) in Geography

Geography Major (43 - 47 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 Studies, Urban and Regional Planning, Area Studies and International Studies.

The major consists of six required courses, as well as required supporting courses in three of four emphases: physical geography, human geography, regional geography, and geographic techniques. In addition to fulfilling required courses, the student has the opportunity to take additional course work in physical or human geography, geographic education or in geographic techniques including cartography, air photo interpretation and Geographic Information Systems.

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

Required Courses

GEOG 201 Field Methods (5)
GEOG 227 Cartography I: Maps and Air Photos (3)
GEOG 230 World Regional Geography (5)
GEOG 300 Physical Geography (5)
GEOG 301 Human Geography (5)
GEOG 392 Seminar in History and Philosophy of Geography (2)

Select one course from three of the following four groups: must total 13-15 credits

Human:
GEOG 101 Fundamentals of Human Geography (5)
GEOG 250 Fundamentals of Economic Geography (3)
GEOG 316 Environmental Conservation (5)
GEOG 317 Resources and Conservation (3)
GEOG 406 Women and Men in the Cultural Landscape (1)
GEOG 450 Geography of Transportation (3)
GEOG 451 Field Studies (2-10)
GEOG 458 Historical Geography of the U.S. and Canada (3)
GEOG 459 Political Geography (3)
GEOG 465 Urban Geography (3)
GEOG 470 Architectural Landscapes of the U.S. and Canada (3)
Physical:
GEOG 100 Fundamentals of the Physical Environment (5)
GEOG 204 Atmospheric Environment (5)
GEOG 305 Introduction to Oceanography (5)
GEOG/BIOL 306 Forest and Rangelands (5)
GEOG 310 Geography of Landforms (4)
GEOG/BIOL 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 the U.S. and Canada (3)
GEOG 332 Geography of Latin America (4)
GEOG 433 Geography of Monsoon Asia (4)
GEOG 498 Seminar in Geography (1-5)
Techniques:

GEOG 327 Cartography II: Applied Cartography (5)
GEOG 328 Geographic Information Systems I (5)
GEOG 329 Air Photo Interpretation (5)
GEOG 420 Applied Geographic Studies (2-5)
GEOG 427 Cartography III: Computer Cartography (5)
GEOG 428 Geographic Informations Systems II (5)

Electives

Select in consultation with a department advisor.

Total required credits	***25 credits***
Minimum credits from 3 of 4 groups	***13 - 15 credits***
Minimum total elective credits	***5 - 7 credits***
Minimum total credits for above Major	***43 - 47 credits***

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

Minors

Anthropology Minor (15 credits)

Required Courses

ANTH 101 Cultural Anthropology (5)
or ANTH 305 Social Anthropology (5)

Electives

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

Total required credits	***5 credits***
Total elective credits	***10 credits***
Total credits for above Minor	***15 credits***

Geography Minor (14 - 15 credits)

Required Courses

GEOG 300 Physical Geography (5)
GEOG 301 Human Geography (5)

Electives

Select courses in consultation with department advisor.

Total required credits	***10 credits***
Minimum elective credits	***4 - 5 credits***
Minimum credits for above Minor	***14 - 15 credits***

GRADUATE PROGRAM

The Department of Geography and Anthropology does not offer a graduate degree program but does offer graduate level course work in Anthropology only on a limited basis.

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 GECR 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)
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: Prior permission of the instructor and the department chair.

ANTH 301
Principles of Archaeology (5)
SPRING
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)
WINTER
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
Primitive and Folk Medicine (5)
[satisfies international studies university graduation requirement.]

An ethnographic survey of the differences between primitive and folk psycho-medical systems. Emphasis is placed upon diagnosis, prognosis, curing, and areas of specialization.

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: Prior permission of the instructor and the department chair.

ANTH 401
Anthropological Research Methods (5)
FALL
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)
WINTER

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)
FALL
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 457
Witchcraft, Sorcery, and Shamanism (5)
An anthropological study of the cultural significance of witchcraft, sorcery, spirit possession, and shamanism.

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: Prior 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: Prior 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 M.A. 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 M.A. requirement and will be completed under the direction of a graduate committee. The thesis is designed to sharpen research, writing, and organizational skills.

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 GECR 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 GECR 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 GECR 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
Field Methods (5)
This course presents the fundamentals of field research design.

GEOG 204
Atmospheric Environment (5)
[satisfies the GECR 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 issue related to natural and human induced changes in the composition of the atmosphere.

GEOG 227
Cartography I: Maps and Air Photos (3)
Entry-level survey of the physical properties and uses of topographic maps and air photographs. Special emphasis is placed upon the identification, analysis and interpretation of landscape elements utilized by geographers and planners. Lecture and laboratory.

GEOG 230
World Regional Geography (5)
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
Fundamentals of Economic Geography (3)
Prerequisite: GEOG 101 or GEOG 230 or permission of the instructor.
Patterns, structures and locational principles of economic activity, including regional/historical economic development, agriculture and resource land use, industrial location and distribution of service activity.

GEOG 299
Special Studies (1-15)
Subjects studied vary according to faculty and student interest.

GEOG 300
Physical Geography (5)
Prerequisite: GEOG 100 or prior 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
Forest and Rangelands (5)
Prerequisite: GEOG 100 or prior permission of the instructor.
An introduction to the pattern of North American vegetation, emphasizing the Pacific Northwest. (Cross-listed BIOL 306)

GEOG 310
Geography of Landforms (4)
Prerequisite: GEOL 100 or GEOG 100 or prior permission of the instructor.
A comprehensive introduction to the features and processes of landforms and their regional distribution.

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 prior 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 316
Environmental Conservation (5)
An introductory, interdisciplinary study of human interaction with the environment in the context of political, economic, social and cultural institutions as well as biotic ecosystems, and with philosophies of conservation. Emphasizes the problems of environmental quality arising from human management of the environment.

GEOG 317
Resources and Conservation (3)
Studies the nature and distribution of natural resources, and problems and principles of their use and conservation.

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 327
Cartography II: Applied Cartography (5)
Prerequisite: GEOG 227 or prior permission of the instructor.
The application of introductory principles in the construction of maps. Emphasizes analysis of map components and the developing of skills in handling basic cartographic equipment.

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 prior 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 the U.S. and Canada (3)
Prerequisite: GEOG 101 or 301 or prior permission of the instructor.
A geographical analysis of U.S. and Canada based on patterns of physical environment, settlement, resources transportation, urbanization, manufacturing and cultural/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 390
Earth Science Methods (3)
Prerequisite: Admission to the Education program or prior permission of the instructor.
For Earth Science majors planning to teach middle school, junior or senior high school. 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 prior 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: Prior 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 310 or GEOL 121 or prior permission of the instructor.
Treats the development of the surface features of the earth by mountain-building, weathering, erosion, and deposition.

GEOG 414
Regional Climatology (3)
Prerequisite: GEOG 204 or 314 or prior 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 prior 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
Cartography III: Computer Cartography (5)

Prerequisite: GEOG 327 or prior 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 informations 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 433
Geography of Monsoon Asia (4)

Prerequisite: Junior standing.
A regional study of non-Soviet Asia and adjacent islands, from humid monsoon lands of the Far East to the arid Eastern Mediterranean.

GEOG 450
Geography of Transportation (3)

Prerequisite: GEOG 101 or 301 or permission of the instructor.
The study of the movement of goods, people and information as a tangible expression of interaction between regions and places, combining the basic theory of network analysis with the technological development of transport over space and time.

GEOG 451
Field Studies (2-10)

Prerequisite: Prior permission of the instructor.

The course may be repeated for different problems, variable credit, or by prior permission of the instructor.
Extended field study of topics of special geographic interest in the U.S. or foreign areas.

GEOG 458
Historical Geography of the United States and Canada (3)

Prerequisite: Junior standing or prior permission of the instructor.
Relates physical environment and human activity in the settlement and development of the United States and Canada.

GEOG 459
Political Geography (3)

Prerequisite: Junior standing or prior 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 (3)

Prerequisite: GEOG 250 or ECON 200 or prior permission of the instructor.
Cities as components of central place and related functional systems and the study of cities as spatial systems.

GEOG 470
Architectural Landscapes of the U.S. and Canada (3)

Prerequisite: GEOG 101 or 301 or permission of the instructor.
An analysis of the rural and urban built environments of the U.S. and Canada, this course examines the origins and diffusion of public, commercial and residential styles of architecture across the continent. Special emphasis is placed on the relationship between natural environments, building materials, technology, culture and political symbolism.

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 prior permission of the instructor.
Advanced group study. Discussion topics selected for each seminar.

GEOG 499
Directed Study (1-15)

Prerequisites: Prior permission of the instructor and the department chair.

GEOLOGY

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Minor
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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. The department also has a computer laboratory for student use. 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 B.S. in Geology, ENGL 205 Introduction to Technical Writing, 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 B.S. 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 B.S. 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 (B.A.) in Geology

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 211 Mineralogy I (4)
GEOL 212 Mineralogy II (4)
GEOL 213 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)

Total required credits	***27 credits***
Minimum total required supporting credits	***14 - 15 credits***
Total elective credits	***20 credits***
Minimum total credits for above Major	***61 - 62 credits***

Note: *An end of program assessment will be required.*

Bachelor of Science (B.S.) in Geology

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 B.S. degree will also count as Natural Science GECRs 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 211 Mineralogy I (4)
GEOL 212 Mineralogy II (4)
GEOL 213 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)
MATH 161 Calculus I (5)
MATH 162 Calculus II (5)
or MATH 380 Elementary Probability and Statistics (5)
X412.7 Introduction to Geographic Information Systems (3)[1]
Approved Geology Field Camp (6-8)[2]
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.

Minimum total required credits	***89 - 94 credits***
Total elective credits	***12 credits***
Minimum total credits for above Major	***101 - 106 credits***

[1]*Offered by the University of California "Extension-On-Line" system.*

[2]*See 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 B.S. 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 211 Mineralogy I (4)
GEOL 212 Mineralogy II (4)
GEOL 213 Igneous and Metamorphic Petrology (4)
GEOL 220 Environmental Geology (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)
X412.7 Introduction to Geographic Information Systems (3)[1]
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)

Minimum total required credits	***65 - 66 credits***
Minimum total supporting credits	***37 - 43 credits***
Minimum total credits for above Major	***102 - 109 credits***

[1]*Offered by the University of California "Extension-On-Line" system.*

***Note:** GEOL 307 may not be used to fulfill the upper-division electives for the B.S. 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 required credits	***24 credits***
Total credits for above Minor	***24 credits***

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 GECR 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)
SPRING
[satisfies the GECR 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 GECR in natural sciences, geology; the completion of geol 120 and 121 counts as two courses for the GECR 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 GECR in natural sciences, geology; the completion of geol 120 and 121 counts as two courses for the GECR 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 GECR 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 211
Mineralogy I (4)
FALL

Prerequisites: GEOL 120 and CHEM 151. CHEM 151 may be taken concurrently with GEOL 211.
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 212
Mineralogy II (4)
WINTER

Prerequisite: GEOL 211.
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 213
Igneous and Metamorphic Petrology (4)
SPRING

Prerequisites: GEOL 212.
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 211 and 212 and stresses hand sample and thin section descriptive techniques. Weekly laboratories and one weekend field trip required. Additional field trips may be offered.

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: Prior 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 B.S. Degree in Geology. Prerequisite: GEOL 100 or 120.
This course, designed for Earth Science B.A.E. 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 330
Structural Geology I (4)
WINTER-ODD YEARS

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-ODD YEARS

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 Methods (3)
FALL

Prerequisite: Admission to Education program or prior permission of the instructor.
For Earth Science majors planning to teach middle school, junior or senior high school. 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 prior 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-ODD YEARS

Prerequisites: GEOL 121, 122, or prior 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-EVEN YEARS

Prerequisite: GEOL 122, 307 or 212, or prior 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 prior permission of the instructor.
Character, distribution, origin, and recovery of petroleum.

GEOL 455
Colorado Plateau Geology (2)
Course fee required. Prerequisite: GEOL 100 or 205, or prior 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 211, 212, 213, or prior 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 prior 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 prior 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 prior 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 213, 220, 411 or 470, or prior 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 prior 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: Prior 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: Prior 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) 359-2413

B.A.
Minor
Faculty: J. Bailey, M. Buckley, G. Durrie, K. Edquist, T. Hawley, L. Hebron, S. Mahoney, D. May

UNDERGRADUATE PROGRAMS

The Department of Government offers 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 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 coursework 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 International Affairs. 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 (B.A.) in Government

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 courses

(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)

Total introductory credits	***15 credits***
Total social and behavioral sciences foundation credits	***10 credits***
Total disciplinary core credits	***15 credits***
Total 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)

Total introductory credits	***15 credits***
Total social and behavioral sciences foundation credits	***10 credits***
Total disciplinary core credits	***20 credits***
Total 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)

PreLaw 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 Writing (5)
and ENGL 305 Professional Writing (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)

Total introductory credits	***20 credits***
Total pre-law elective credits	***10 credits***
Total restricted option credits	***10 credits***
Total government elective credits	***20 credits***
Total outside elective requirement credits	***10 credits***
Total 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 required credits	***15 credits***
Total credits for above Minor	***15 credits***

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 GECR 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)
SUMMER
[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
No prerequisites.
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
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
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)
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
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
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)
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)
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)
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)
WINTER
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
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
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
[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
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)
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)
FALL
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)
WINTER
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)
WINTER/SPRING
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)
[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
Prerequisites: Prior 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
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: Prior permission of the instructor.
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) 358-2263
E-mail: mhoss@mail.ewu.edu

B.A.
Minor
Certificate
Faculty: M. Hoss

UNDERGRADUATE PROGRAMS

The Health Services Administration Program is offered by the College of Business and Public Administration. The 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 departments, academic medical centers, various regulatory agencies, and community-based agencies among others. Responsibilities carried out by health administrators include: budgeting/ financial management, planning, human resource management, data analysis, marketing and public relations, general and departmental administration.

The majority of required courses come from health administration and business. In addition, the program requires that the student complete an option in a specific sub-speciality. 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 either an internship at a health facility. To qualify for the internship the student must have at least a 3.00 gpa 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 89-91 credit hours. Students choosing to minor in health services must complete 24-26 credit hours. Courses are offered on an every other year basis and students should check with the program director and class schedule each quarter.

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

Bachelor of Arts (B.A.) in Health Services Administration

Health Services Administration Major (89 - 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 Courses

ACCT 251 Principles of Financial Accounting (5)
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)
HSAD 300 Health Care Organization and Administration (4)
HSAD 305 Health Care Coding and Terminology (3)
HSAD 310 Health Care Supervision (4)
HSAD 322 Introduction to Health Information Systems (4)
HSAD 410 Health Law and Bioethics (4)
HSAD 415 Health Economics (5)
HSAD 420 Financing Health Care (5)
HSAD 430 Seminar in Managed Care Administration (4)
HSAD 440 Health Planning and Research (5)
HSAD 450 Community and Environmental Health Management (5)
HSAD 480 Senior Project (5)
or HSAD 495 Internship (4-5)
HSAD 490 Senior Capstone: The Impact of Culture, Gender, and Race on Health (4)
HUMR 328 Personnel Management (4)
MISC 311 Information Technology in Business (4)
MKTG 310 Principles of Marketing (4)

Option

Students must select an option and specific courses as approved by program advisors.

Minimum total required credits	***81 - 82 credits***
Minimum total option credits	***8 credits***
Minimum total credits for above Major	***89 - 90 credits***

Minor

Health Services Administration Minor (24 - 26 credits)

Required Courses

HSAD 300 Health Care Organization and Administration (4)
HSAD 310 Health Care Supervision (4)
HSAD 410 Health Law and Bioethics (4)
HSAD 430 Seminar in Managed Care Administration (4)

Electives (Choose two of the following)

HSAD 322 Introduction to Health Information Systems (4)
HSAD 415 Health Economics (5)
HSAD 420 Financing Health Care (5)
HSAD 440 Health Planning and Research (5)
HSAD 450 Public and Environmental Health Management (5)
HSAD 460 Long Term Care Administration (4)

Total required credits	***16 credits***
Minimum elective credits	***8 - 10 credits***
Minimum total credits for above Minor	***24 - 26 credits***

Note*: Certain electives have prerequisites not listed here that may increase the total hours required to complete the minor.*

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 care administration. Further, graduate options in health services administration are available through a number of programs such as: Mental Health Counseling, Social Work, the Master of Business Administration, and 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 we are 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, particular as it relates to our aging society.

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. However, some of the advanced courses have prerequisites that may limit their availability.

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 U.S. 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 U.S. 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)

Total required credits ***20 credits***

Any three of the above five courses may be used to meet the 12 credit Professional Specialization Option required for the master of public administration degree. Please refer to the Public Administration section in this catalog for more information.

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
Introduction to Health Information Systems (4)
SPRING
Prerequisites: HSAD 300 and MISC 311; or permission of the instructor.
A study of the computerization of patient medical records and community health data. A discussion of computer technology used in the health services field that has allowed the development of central repositories for use by health services personnel in making decisions about patient care and community health needs. The course provides a fundamental understanding of the processes of data based systems applicable to health organizations and systems analysis.

HSAD 399
Special Studies (1-10)
FALL/WINTER/SPRING/SUMMER
Prerequisites: Prior permission of the instructor and the Program Director.
Subjects vary according to faculty and student interest and need.

HSAD 410
Health Law and Bioethics (4)
SPRING
Prerequisite: HSAD 300 or consent of the instructor.
This course is an introduction to the specifics of health related legislation and programs, and their legal and ethical implications for providers and consumers of health care. The legal principles and issues for medical caseworkers, along with liability of health care facilities and staff for injuries to patients and abuses to patients' rights by the health care system will be examined. Topic areas also include malpractice suits and legislation, collection of bills, informed consent of patients to medical and surgical procedures.

HSAD 415
Health Economics (5)
FALL
Prerequisites: 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 healthcare markets. (Cross-listed ECON 452)

HSAD 420
Insurance and Risk (5)
WINTER
Prerequisite: ECON 200 or instructor permission.
Examines the principles of insurance and forms of risk management; considers the development and forms of private and social insurance programs. (Cross-listed ECON 445, FINC 432)

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 440
Health Planning and Research (5)
FALL
Prerequisites: DSCI 245 or 303, HSAD 300 or consent of the instructor.
The primary objective of this course is to provide the student with research skills applicable to understanding of policy development and its application to health planning. The course represents an introduction to planning and evaluation methods currently used in health services administration. The health care system of a nation is often an outgrowth of its governmental policies and the planning which results as these policies are implemented.

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)
[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)
Prerequisites: HSAD 300, 305, 310, 322, 410, 415, 420, 440, 450; permission of the instructor; upper division GPA of at least 3.00.
Student will spend 16-20 hours a week on-site under the director 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: Prior permission of the instructor and the department chair.
Individual study in a field of special interest.

HSAD 500
U.S. 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 U.S. 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

B.A.
Minors
History Endorsement
M.A.
Faculty: M. Conlin, R. Dean, K. Huttenmaier, J. Innes, J. Kieswetter, A. LeBar, L. Phillips, M. Seedorf, E. Slack, W. Youngs, L. Zhu

UNDERGRADUATE PROGRAMS

History is the remembrance of the human past, and through its study one may search out that memory, assess its accuracy, and determine its relationship to contemporary society. No one can truly comprehend the culture or institutions of today without knowledge and understanding of their historical development. As one of the broadest fields of human inquiry—embracing disciplines such as language and literature, arts and sciences, politics and economics—the study of history provides an ideal foundation for careers in teaching, law, journalism, library services, government and many other professions and occupations. More than this, it opens the way to lifelong rewards in citizenship and civilization.

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 the African American 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 encourage 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 B.A. (50 and 65 credit options) and the History minor (18 credits) require a minimum of 2.0 in each course and a minimum of Grade Point Average 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 (B.A.) in History

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
U.S. 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)

Total required introductory survey credits	***10 credits***
Total required foundation credits	***15 credits***
Total 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
U.S. 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)

Total required introductory survey credits	***5 credits***
Total required foundation credits	***15 credits***
Total 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:

U.S. History:
HIST 303 U.S. History, 1607-1877 (5)
HIST 304 U.S. 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 (3)
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 U.S. 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 1830 (5)
HIST 432 Modern Britain Since 1830 (5)
HIST 433 Recent Britain Since 1945 (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 Twentieth-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 (U.S. History, European History, Global/Comparative History). At least 10 credits of course work for the minor must be upper-division.

Total required credits ***18 credits***
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 U.S. History, 1607-1877 (5)
HIST 304 U.S. History, 1877-Present (5)
HIST 483 History and Government of the Pacific Northwest (5)

Total required credits ***30 credits***
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

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 U.S. History, 1607-1877 (5)
HIST 304 U.S. 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 required credits ***49 credits***
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 M.A. 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.

Candidates for the M.A. 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 3.00 (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 M.A. 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 coursework 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 advanced to candidacy. Only students who 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 addition ten credits of History 599 Independent Study/Reading or other approved coursework, 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 M.A. 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 for the History M.A. 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

Total required core credits	***35 credits***
Minimum total required further specialization credits	***5 - 15 credits***
Minimum total elective credits	***10 - 20 credits***
Minimum total credits for above Master's Degree	***60 credits***

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.]

No prerequisites.
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 GECR 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 GECR 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 GECR 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 4th Century A.D. 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 Guadelupe Hidalgo in 1848, to the present. Specific themes discussed include the Mexican American War, the Treaty of Guadelupe Hidalgo of 1848, the economic, political and social conditions after the Anglo-American conquest of the southwest, Mexican immigration to the U.S., Chicano labor history, the Chicano movement and other Chicano themes. (Cross-listed CHST 218)

HIST 290
History Today: Issues and Practices (5)
FALL
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: Prior 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
U.S. History, 1607-1877 (5)
FALL/WINTER/SPRING
This course is designed primarily, but not exclusively, for history majors and minors and required as part of the social studies major core. It examines aspects of this nation's political, economic, cultural, and social development form its time of English settlement to the end of Reconstruction.

HIST 304
U.S. History, 1877-Present (5)
FALL/WINTER/SPRING
This course is designed primarily, but not exclusively, for history majors and minors and 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 tot he mid-Qing (221 B.C. - 1800 A.D.).

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 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 prior 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 (3)
SPRING-ALTERNATE YEARS
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: Prior 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 Center for Extended Learning.

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 B.C. 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 B.C. to 30 B.C. 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 follows the Western Greeks, Etruscans, Carthage and the foundations of Rome to 30 B.C. 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 B.C. - 337 A.D.) 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 1830 (5)
SPRING-ALTERNATE YEARS
A history of England from the Restoration, 1603, to the late Victorian period, including a study of the cultural, economic, and constitutional developments of the period.

HIST 432
Modern Britain Since 1830 (5)
WINTER-ALTERNATE YEARS
From Victorian England to World War II, 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
Recent Britain Since 1945 (5)
FALL/SPRING-ALTERNATE YEARS
A political, social, and economic history of England since the end of World War II, giving consideration to British institutional development.

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 prior 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 prior 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
Twentieth-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 or Modern American Women (4)
This course explores the history of women in America from the 1900s tot he 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 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 U.S. 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 U.S. 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 U.S. 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.]
Prerequisite: [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: Prior 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: Prior 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: Prior 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: Prior 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: Prior 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: Prior 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: Prior permission of the instructor.
A survey of problems of research and interpretation in American History to 1783.

HIST 534
19th Century U.S. America (5)
Prerequisite: Prior 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: Prior permission of the instructor.
Readings in selected topics relating to contemporary America.

HIST 538
History of the American West (5)
Prerequisite: Prior 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 U.S. History (5)
Prerequisite: Prior 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: Prior 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: Prior 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.

Other Courses

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 prior permission of the instructor.
Writing seminar involving presentation and critique of research papers.

HIST 599
Independent Study/Reading (1-5)
Prerequisites: Prior permission of the instructor and the department chair.

HIST 600
Thesis (1-15)
Prerequisites: M.A. candidacy and prior 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: M.A. candidacy and prior 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: Prior 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. A museum internship.

HIST 696
College Teaching Internship (2-5)
Prerequisite: Prior 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
Perry Higman, Director
204 Hargreaves Hall
(509) 359-2822

e-mail address: Honors@mail.ewu.edu
Website: http://honors.ewu.edu

Faculty: C. Cutler, P. Higman, J. Johnson, T. MacMullan, F. Preisig

Rotating Faculty: D. Elder, E. Evans, 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; excellent writing, calculation and critical thinking skills; and inspire an attitude of self-responsibility, life-long 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: Acceptance into the University Honors program does not bring with it any guaranteed scholarships; however, incoming freshmen and transfer students are likely to have an excellent chance to receive one of the following scholarships: Killin, Academic Honors, Presidential, 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 grade point averages of 3.6+ and combined 1200+ SAT or above.

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 grade point average 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

Total required freshmen honors sequence credits	***24 credits***
Minimum total credits for above Lower Division Honors	***24 credits***

2. Students fulfilling the following minimum degree requirements will be awarded the baccalaureate degree with University Honors:

Freshmen Honors Sequence courses
University Honors Seminars
Honors Senior Seminar

Total required freshmen honors sequence credits	***16 credits***
Total required university honors seminar credits	***8 credits***
Total required honors senior seminar credits	***3 credits***
Minimum total credits for above University Honors	***27 credits***

3. Students fulfilling the following minimum degree requirements will be awarded the baccalaureate degree with Departmental Honors:

Departmental Honors courses
Honors Seminars and HONS 398/SOWK 310
Honors 498/ITGS 400 Interdisciplinary Senior Capstone

Total required departmental honor credits	***12 credits***
Total required honors seminar/HONS 393/ SOWK 310 credits	***8 credits***
Total honors/interdisciplinary senior capstone credits	***4 credits***
Minimum total credits for above Departmental Honors	***24 credits***

4. Students fulfilling the following minimum degree requirements will be awarded the baccalaureate degree with both Departmental Honors and University Honors:

Freshmen Honors Sequence courses
Departmental Honors courses
Honors Seminars and HONS 398/SOWK 310
Honors 498/ITGS 400 Interdisciplinary Senior Capstone

Total required freshmen honors sequence credits	***16 credits***
Total required departmental honors sequence credits	***12 credits***
Total required honors seminar/HONS 398/ SOWK 310 credits	***12 credits***
Total required honors/interdisciplinary senior capstone credits	***4 credits***
Minimum total credits for above Departmental Honors & University Honors	***44 credits***

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 GECR 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 GECR 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 GECR 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 GECR 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 498
Honors Senior Seminar (1-5)
Honors students present the results of their research project, honors thesis, of other creative work, prepared under the guidance of their major departments.

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

B.A.
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 163).

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

Bachelor of Arts (B.A.) in Humanities

Humanities Major (64 credits minimum)
64 credits must be earned in courses not used for GECRs

***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 Literature 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)

Minimum required fine arts credits	***10 credits***
Minimum required literature credits	***10 credits***
Minimum required philosophy credits	***10 credits***
Minimum required social science credits	***10 credits***
Minimum required elective credits	***20 credits***
Minimum total credits for above Major	***60 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 GECRs

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 required credits	***20 credits***
Total credits for above Minor	***20 credits***

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 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 THTR 202)

HUMN 210
Classics in Literature (5)
FALL/SPRING
[satisfies the GECR 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 GECR 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 GECR for humanities and fine arts, list 2, fine arts.]

A survey of musical literature 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 GECR 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 GECR 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 GECR 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: Prior 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 prior 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 prior 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
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
Prerequisite: Junior standing or prior permission of the instructor.
Attitudes and beliefs associated with every person's confrontation with mortality. Topics include stages of dying, grief, suicide, etc.

HUMN 451
Comparative Drama: Tragedy (4)
Prerequisite: Junior standing or prior 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 prior 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 prior permission of the instructor.
Satire from classical times to the present.

HUMN 460
Mass Media and American Society (5)
Prerequisite: Junior standing or prior 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: Prior permission of the instructor and the department chair.

INDIAN STUDIES

See AMERICAN INDIAN STUDIES.

INTEGRATIVE STUDIES

Undergraduate and Graduate Studies
Mark Baldwin, Contact
207 Showalter Hall
(509) 359-2449

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

Dean of Graduate Studies
Ronald H. Dalla
206 Showalter Hall
(509) 359-6297

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 grade point average of at least 3.00 for the last 90 graded quarter credits
2. An approved program proposal

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 which lists the courses to be included within the program of study and which contains the approvals of the department chair or graduate director of the major and minor fields
6. Inclusion in the proposal of an explanation regarding how the proposed combination of courses comprise an interdisciplinary degree program (not 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.

INTERDISCIPLINARY STUDIES

College of Social and Behavioral Sciences
John L. Neace, Director
213 Hargreaves Hall
(509) 359-2402 (Cheney)
(509) 623-4372 (Spokane)

B.A.
Faculty: Varies according to degree option.

UNDERGRADUATE PROGRAMS

The Interdisciplinary Studies degrees offer alternatives for students seeking programs which provide a broad background applicable to a variety of careers. The program has three options: a liberal arts, prior learning and interdisciplinary studies.

This program and its options are intended to serve:

- Students who prefer a broad liberal arts concentration in lieu of a major (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 (Interdisciplinary).

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

Bachelor of Arts (B.A.) in Interdisciplinary Studies

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.*

Students selecting this degree option will be designing a field of study which represents a traditional Liberal Arts education. The degree requires 60 upper division credits selected from three breadth areas: Social Sciences, Natural Sciences and Humanities. Each breadth area will require the successful completion of 20 credits.

Total required credits	***60 credits***
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.*

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. 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.

Under this degree students design a 60 credit upper division emphasis that meets their specific goals and objectives. Specific courses are not required but prerequisites for graduate or professional programs are recommended.

Total required credits	***60 credits***
Total credits for above Major	***60 credits***

Interdisciplinary Studies Major: 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 program is for students who prefer an interdisciplinary option, combining 60 upper division credits from two or three academic departments or programs. Interdisciplinary Studies students follow the guidance of department chairs to design their courses in an area in which a traditional major does not exist. Pre-approval is required from departments included in an interdisciplinary program and the Director of the Interdisciplinary Studies program.

Courses selected for this program may require prerequisite and advanced standing, consult the catalog for course descriptions.

Total required credits	***60 credits***
Total credits for above Major	***60 credits***

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 AFFAIRS

College of Social and Behavioral Sciences
208J Patterson Hall
(509) 359-2363

B.A.
Faculty: Varies

UNDERGRADUATE PROGRAM

The International Affairs Program 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 socio-cultural 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 and Europe). The Interdisciplinary curriculum of both concentrations, afford 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.

Departmental 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 Diplomate-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 GECRs)
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 (B.A.) in International Affairs

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)
SOCI 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.

Total required introduction credits	***5 credits***
Total required foundation credits	***10 credits***
Total required core credits	***29 credits***
Minimum total required concentration credits	***28 - 30 credits***
Minimum credits for above Major	***72 - 74 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.

Total required introduction credits	***5 credits***
Total required foundation credits	***10 credits***
Total required core credits	***29 credits***
Minimum total required concentration credits	***28 - 30 credits***
Minimum credits for above Major	***72 - 74 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 1830 (5)
HIST 433 Recent Britain Since 1945 (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.

Total required introduction credits	***5 credits***
Total required foundation credits	***10 credits***
Total required core credits	***29 credits***
Minimum total required concentration credits	***28 - 30 credits***
Minimum credits for above Major	***72 - 74 credits***

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)
SPRING
Prerequisites: Advanced class standing and prior 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) 458-6395

B.A., B.S.
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 GECRs during their first two years. Freshmen are encouraged to take JRNM 100 (Easterner 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 B.A. News-Editorial Option prepares students for traditional roles in print and electronic journalism. During their freshman, sophomore and senior years News-Editorial majors 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 Center 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.

Students entering the B.S. degree in Public Relations take courses both in Spokane and Cheney. The major 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 (B.A.) in Journalism

Students working toward the B.A. degree may either major or minor in journalism.

Journalism Major with Computer Science Option (72 - 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 Core Courses
JRNM 330 Mass News Media (5)
JRNM 332 News Writing (5)
JRNM 333 Advanced News Writing (5)
JRNM 337 Editing and Publishing (4)
JRNM 341 Reporting (5)
JRNM 351 Law of Journalism (4)
JRNM 395 In-Service Training (5-16)
JRNM 470 Desktop Publication Design (4)

Take the following courses or others in consultation with the Computer Science Department
CPLA 215 Internet & WWW Basics (2)
CSCD 225 Programming Principles I (5)
CSCD 226 Programming Principles II (5)
CSCD 325 Object Oriented Programming (3)
CSCD 378 Web Programming (4)
CSCD 411 Multimedia Techniques (4)
CSCD 414 Object Oriented Programming for Multimedia (4)
CSCD 419 Multimedia Design & Implementation (4)
TECH 368 Electronic Publishing (4)

Minimum required core credits	***37 - 48 credits***
Total required computer science department credits	***35 credits***
Minimum total credits for above Major	***72 - 73 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
JRNM 330 Mass News Media (5)
JRNM 332 News Writing (5)
JRNM 333 Advanced News Writing (5)
JRNM 337 Editing and Publishing (4)
JRNM 341 Reporting (5)
JRNM 349 Photojournalism (4)
JRNM 351 Law of Journalism (4)
JRNM 442 Advanced Reporting (5)

Elective Core Courses
JRNM 334 Magazine Article Writing (4)
JRNM 395 In-Service Training (5-16)
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)

Second Concentration
Select courses in consultation with Journalism advisor.

Total required core credits	***37 credits***
Total elective core credits	***8 credits***
Total required second concentration credits	***45 credits***
Total credits for above Major	***90 credits***

Journalism Major with Technology Option (69 - 82 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
JRNM 330 Mass News Media (5)
JRNM 332 News Writing (5)
JRNM 333 Advanced News Writing (5)
JRNM 337 Editing and Publishing (4)
JRNM 341 Reporting (5)
JRNM 351 Law of Journalism (4)
JRNM 395 In-Service Training (5-16)
JRNM 470 Desktop Publication Design (4)

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Take the following courses or others in consultation with the Engineering Technology and Multimedia Design Department

TECH 216 Computer Graphics (4)
TECH 265 Graphic Communications (4)
TECH 360 Desktop Publishing (4)
TECH 368 Electronic Publishing (4)
TECH 498 Seminar (Multimedia Development) (4)
CPLA 215 Internet & WWW Basics (2)
or HTML Knowledge
CSCD 378 Web Programming (4)
CSCD 414 Object Oriented Programming for Multimedia (4)
CSCD 419 Multimedia Design & Implementation (4)

Minimum total required core credits	***37 - 48 credits***
Minimum total required engineering technology/ multimedia design department credits	***32 - 34 credits***
Minimum total credits for above Major	***69 - 82 credits***

Bachelor of Science (B.S.) in Journalism

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 the same 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 Research Methods in Communication (5)
TECH 360 Desktop Publishing (4)

One of: 5 credits

CMST 300 Public Speaking (5)
CMST 400 Message Design (5)

One of: 4-5 credits

ENGL 409 General Editing Problems (5)
JRNM 337 Editing and Publishing (4)

One of: 4-5 credits

ART 304 Art of Photography (5)
JRNM 349 Photojournalism (4)
TECH 350 Elements of Photography (5)

Minor Technical Writing (Recommended)

ENGL 205 Introduction to Technical Writing (5)
ENGL 271 Introduction to Poetry (5)

Select three upper division English courses in consultation with Technical Writing faculty

Minimum total required credits	***58 - 65 credits***
Total required minor technical writing credits	***10 credits***
Total required upper-division credits	***15 credits***
Minimum total credits for above Major	***83 - 90 credits***

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.

Total required credits	***14 credits***
Total elective credits	***4 credits***
Total credits for above Minor	***18 credits***

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: Prior 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: Prior 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: Prior 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 322 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: Prior permission of the instructor.

LIBRARY SCIENCE

See EDUCATION.

LINGUISTICS

College of Social and Behavioral Sciences
Elwyn C. Lapoint, Advisor
Department of Geography/Anthropology
123 Isle Hall
(509) 359-7031

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 (4)
Modern Languages and Literatures: 5 maximum—see Note below

Total required credits	***16 credits***
Total 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, Geography and Anthropology, and Modern Languages and Literatures.

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MANAGEMENT

See BUSINESS ADMINISTRATION.

MANAGEMENT INFORMATION SYSTEMS

See BUSINESS ADMINISTRATION.

MARKETING

See BUSINESS ADMINISTRATION.

MARKETING EDUCATION

See BUSINESS ADMINISTRATION.

MATHEMATICS

College of Science, Math and Technology
Christian Hansen, Chair
(509) 359-6068
216 Kingston Hall

B.A., B.A.E., B.S.
Minors
M.S.
Faculty: K. Adolphson, B. Alvin, L. Bolte, D. Canada, J. Coomes, D. Dowd, D. Garraway, R. Gentle, M. Gilbert, D. Goering, M. Graham, C. Hansen, J. Lane, Y. Nievergelt, D. Nowlin, H. Sullivan, E. Toneva

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; this is especially serious since many professionals at the forefront of the behavioral, social, and pure sciences 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 Master of Science in Mathematics program with the Bachelor of Arts in Mathematics in the Five-Year Bachelor of Arts/Master of Science in Mathematics Program.

The program leading to the B.A. 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, careers in community college teaching, or 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 B.A. 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 B.A.E. 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 3.50 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 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 on 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 (B.A.) in Mathematics

Mathematics Major (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 Courses

MATH 161 Calculus I (5)
MATH 162 Calculus II (5)
MATH 163 Calculus III (5)
MATH 241 Calculus IV (5)
MATH 225 Foundations of Mathematics (5)
MATH 231 Linear Algebra (5)
MATH 261 Continuous Functions (4)
MATH 361 Advanced Calculus I (4)
MATH 362 Advanced Calculus II (4)
MATH 431 Introduction to Modern Algebra I (4)
MATH 432 Introduction to Modern Algebra II (4)
MATH 494 Senior Seminar (2) (2.0 must be obtained for graduation)

Mathematics Electives

Select six courses from the following: (These must include either MATH 433, or else MATH 451 and 452.)

MATH 345 Numerical Analysis I (4)

M

*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 451 Introduction to Topology I (4)
*MATH 452 Introduction to Topology II (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 6 credits from List A and at least 8 credits from List B.

List A
CSCD 205 Programming Principles I Lab (1)
CSCD 225 Programming Principles I (5)
CSCD 226 Programming Principles II (5)
CSCD 234 Visual Basic Programming (3)
CSCD 325 Object-Oriented Programming (3)
CSCD 334 Advanced Techniques in Visual Basic (4)
List B
PHYS 151 General Physics I (4)
PHYS 152 General Physics II (4)
PHYS 153 General Physics III (4)
CHEM 421 Physical Chemistry (4)
CHEM 422 Physical Chemistry (3)
CHEM 423 Physical Chemistry (3)
ECON 430 Mathematical Economics (5)
CSCD 420 Finite State Automata (4)
CSCD 421 Automata and Languages (4)
CSCD 501 Theory of Computing I (4)
CSCD 502 Theory of Computing II (4)

Total required credits	***52 credits***
Total mathematics elective credits	***24 credits***
Total required supporting credits	***14 credits***
Total credits for above Major	***90 credits***

Mathematics Major with Computer Science Option (107 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 241 Calculus IV (5)
MATH 225 Foundations of Mathematics (5)
MATH 231 Linear Algebra (5)
MATH 261 Continuous Functions (4)
MATH 345 Numerical Analysis I (4)
MATH 385 Probability and An Introduction to Statistics (4)
MATH 494 Senior Seminar (2) (2.0 must be obtained for graduation)
CSCD 205 Programming Principles I Lab (1)
CSCD 225 Programming Principles I (5)
CSCD 226 Programming Principles II (5)
CSCD 228 Introduction to UNIX (2)
CSCD 260 Micro-Assembly Language (3)
CSCD 325 Object-Oriented Programming (3)
CSCD 326 Data Structures I (4)
CSCD 327 Data Structures II (4)
CSCD 360 Advanced Assembly Language (4)
CSCD 420 Finite State 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 Intelligent Systems (4)

Any other four credit Computer Science course numbered at or above 400 with the approval of the designated advisor for this degree.

Total required credits	***87 credits***
Total elective credits	***20 credits***
Total credits for above Major	***107 credits***

Mathematics Major with Economics Option (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 241 Calculus IV (5)
MATH 225 Foundations of Mathematics (5)
MATH 231 Linear Algebra (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)
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)
CSCD 225 Programming Principles I (5)
or CPLA 120 Computer Applications Literacy (5)

Total required credits	***83 credits***
Total credits for above Major	***83 credits***

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 the GECR. Students considering graduate study in Mathematical Economics are advised to take MATH 261 and 361.*

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 241 Calculus IV (5)
MATH 225 Foundations of Mathematics (5)
MATH 231 Linear Algebra (5)
MATH 261 Continuous Functions (4)
MATH 345 Numerical Analysis I (4)
MATH 361 Advanced Calculus I (4)
MATH 362 Advanced Calculus II (4)
MATH 385 Probability and An Introduction to Statistics (4)
MATH 386 Applied Statistics (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 451 Introduction to Topology I (4)
*MATH 452 Introduction to Topology II (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.

Total required credits	***79 credits***
Total 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 Hugh Sullivan by calling (509) 359-6133.*

Five-Year Bachelor of Arts (B.A.)/Master of Science (M.S.) 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 261 Continuous Functions (4)
MATH 361 Advanced Calculus I (4)
MATH 362 Advanced Calculus II (4)
MATH 431 Introduction to Modern Algebra I (4)
MATH 432 Introduction to Modern Algebra 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)
or MATH 451 Introduction to 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

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 452 Introduction to Topology II (4)
or *MATH 552 General Topology II (4)
*MATH 470 Foundations of Geometry (4)
*MATH 481 Complex Analysis (4)
*MATH 485 Theoretical Probability and Mathematical Statistics (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 Ph.D. 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 6 credits from List A and at least 8 credits from List B.

List A
CSCD 205 Programming Principles I Lab (1)
CSCD 225 Programming Principles I (5)
CSCD 226 Programming Principles II (5)
CSCD 234 Object-Oriented Programming (3)
CSCD 334 Advanced Techniques in Visual Basic (4)
List B
PHYS 151 General Physics I (4)
PHYS 152 General Physics II (4)
PHYS 153 General Physics III (4)
CHEM 421 Physical Chemistry (4)
CHEM 422 Physical Chemistry (3)
CHEM 423 Physical Chemistry (3)
ECON 430 Mathematical Economics (5)
CSCD 420 Finite State Automata (4)
CSCD 421 Automata and Languages (4)
CSCD 502 Theory of Computing I (4)
CSCD 503 Theory of Computing II (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) a mastery of a substantial body of mathematics,

(b) the ability to search the mathematics literature, and

(c) 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 B.A., the students in this program will have the option not to take the fifth year and instead graduate with a B.A. in Mathematics provided one of the following conditions is met: a) The student has met all departmental requirements for a B.A. 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.*

Total required undergraduate credits	***56 credits***
Total required graduate credits	***40 credits***
Total mathematics elective credits	***20 credits***
Total required supporting credits	***14 credits***
Total credits for above Major	***130 credits***

Bachelor of Arts in Education (B.A.E.) for Mathematics

Mathematics/Elementary Major (43 credits)

This major does not meet a state of Washington 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 required credits	***43 credits***
Total credits for above Major	***43 credits***

Professional Education Requirements/ Elementary Education: 111-115 credits

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

Total credits for above Major & Professional Education	***154 - 158 credits***

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

Mathematics/Secondary Major (72 credits)

This major satisfies the endorsement for grades 5-12.

Required Courses

MATH 161 Calculus I (5)
MATH 162 Calculus II (5)
MATH 163 Calculus III (5)
MATH 241 Calculus IV (5)
MATH 225 Foundations of Mathematics (5)
MATH 231 Linear Algebra (5)
MATH 261 Continuous Functions (4)
*MATH 320 History of Mathematics (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 required credits	***72 credits***
Total credits for above Major	***72 credits***

Professional Education Requirements/ Secondary Education: 50-52 credits

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

Total credits for above Major & Professional Education ***122 - 124 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 261 Continuous Functions (4)
MATH 345 Numerical Analysis I (4)
MATH 370 Survey of Geometries (5)
MATH 385 Probability and An Introduction to Statistics (4)

Total required credits ***25 credits***
Minimum total required select one ***4 - 5 credits***
Minimum total credits for above Minor ***29 - 30 credits***

Mathematics/Elementary Minor (29 credits)

This minor does not meet a state of Washington 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 required credits ***29 credits***
Total credits for above Minor ***29 credits***

Mathematics/Secondary Minor (39 credits)

This minor satisfies the endorsement for grades 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 required credits ***39 credits***
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: 342,430,445,452,481,486,552,581,582
Odd numbered years: 320,347,433,447,470,485,561,562
(2004-2005 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, and a research-expository thesis. 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. Theses have been written in theoretical computer science, theoretical physics, applied mathematics, and statistics, as well as pure mathematics.

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.

In addition, the department offers a master of science in college instruction as well as special interdisciplinary master of science programs. The College Instruction Program is specifically tailored to the needs of an individual seeking a profession in community college or junior college teaching. The curriculum includes the core graduate courses in mathematics, the College Instruction program courses sequence, a research project, and a teaching 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 $6,900 per academic year and typically teach one course per quarter. Instructors receive approximately $12,100 per academic year and teach two courses per quarter.

Admission Requirements/Preparation

Entrance requirements: In addition to applying for admission to the program, prospective M.S. 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 M.S. 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

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)
Additional mathematics courses (4-6)

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) a master of a substantial body of mathematics,

(b) the ability to search the mathematics literature, and

(c) 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.

Minimum total required graduate core credits	***40-42 credits***
Minimum total credits for above Master's Degree	***48 credits***

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

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
[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 Mathematics I (5)

FALL/WINTER/SPRING

Prerequisite: MATH 104 or equivalent, or a satisfactory score on the Mathematics Placement Test.
Functions, graphing, polynomials, rational functions, logarithmic and exponential functions, and complex numbers. Graphing calculators are used throughout the course.

MATH 106
Precalculus Mathematics 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 115
Mathematical Reasoning (5)

FALL/WINTER/SPRING
[satisfies the university proficiencies, mathematics.]

Prerequisites: Recommended placement above MATH 104 on the Mathematics Placement Test or MATH 104 or equivalent, Computer Literacy Clearance.
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 proficiency may be satisfied by examination.

MATH 161
Calculus I (5)

FALL/WINTER/SPRING
[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: Prior 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: Successful completion of ENGL 100 and either recommended placement above MATH 104 on the Mathematics Placement Test or MATH 104 or equivalent, Computer Literacy Clearance.
An introduction to the mathematical systems encountered in the study of the behavioral sciences. 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 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: (1) Placement above MATH 104 on the Mathematics Placement Test or successful completion of MATH 104 or an equivalent course; and (2) successful completion of 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 result 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: Successful completion of ENGL 100 and either recommended placement above MATH 104 on the Mathematics Placement Test or MATH 104 or equivalent.
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

Prerequisites: 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 261
Continuous Functions (4)
SPRING

Prerequisites: MATH 225 and 231.
Develops the topology of R^n. Topics include the completeness of the reals, topological spaces, continuity and properties preserved by continuous functions, compactness, and connectedness.

MATH 297
Workshops, Short Courses, Conferences (3-5)
Prerequisites: Prior permission of the instructor and the department chair.

MATH 298
Seminar (1-5)

MATH 299
Special Studies (1-5)
FALL/WINTER/SPRING/SUMMER

Prerequisites: Prior 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)
FALL-EVEN YEARS/WINTER-ODD YEARS/SPRING-EVEN YEARS

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 prior 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 prior 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 (54
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 361
Advanced Calculus I (4)
FALL

Prerequisites: MATH 241 and 261.
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 362
Advanced Calculus II (4)
WINTER

Prerequisite: MATH 361.
A continuation of 361 to 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 370
Survey of Geometries (5)
WINTER/SUMMER

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
[for the 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: Prior 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 prior 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)
FALL/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 451, 452, 453
Introduction to Topology I, II, III (4 each)
FALL(451)/WINTER-EVEN YEARS(452)
Prerequisites: MATH 451: 261; MATH 452: 451 or permission of the instructor; MATH 453: 452.
Topological spaces, homeomorphisms, separation axioms, compactness, connectedness, metric spaces, Moore spaces, completeness, homotopy, and homology.

MATH 461, 462
Introduction to Real Analysis I, II (4 each)
FALL(461)/WINTER(462)
Prerequisites: MATH 362 for MATH 461; MATH 461 for MATH 462.
Examines critically some of the main concepts of analysis: convergence, continuity, differentiation, integration, sequences, and series of functions, functions of several variables and linear transformations.

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 261.
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, 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 B.A.E. 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 B.A. in Mathematics: Prior or concurrent enrollment in MATH 362 and 432; for students pursuing the B.A.E. Secondary: Prior or concurrent enrollment in MATH 261, 386, 432 and 493; for students pursuing the B.A. in Mathematics with a Computer Science option: Prior or concurrent enrollment in MATH 261, 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: Prior 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 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 451 or permission of the instructor.
Examines properties of abstract topological spaces and mappings including compactness and connectedness, conditions for metrizability.

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 361, 362, 451 or permission of the instructor.
Concepts of general measure and integration theory including the Lebesque 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 prior 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 451 or prior permission of the instructor.
Establishes the basic properties of holomorphic functions, including complex derivatives, power series, singularities, residues and the general integral formula of Cauchy. 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. 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 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: Prior permission of the instructor.

MATH 599
Independent Study (1-6)
Prerequisites: Prior 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 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 Kevin A. Arbanas, Chair
203A Cadet Hall
(509) 359-6109

B.A.
Minor
Faculty: D. Cherry, W. Schustrom, J. Strodahl

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 Office 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 two one-hour classroom sessions 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, 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 five-week Leader's Training Course at Ft. Knox, KY between their sophomore and junior year to meet Basic Course Requirements. Students receive pay during Basic Camp.

The Advanced Course is a two year curriculum consisting of classroom instruction, leadership training and military field training. Students also attend a 30 day Advanced National Leadership Camp during the summer between their junior and senior years 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, the Reserves or National Guard.

Financial Assistance: Each Advanced Course student receives a tax free stipend allowance of $350-400 a month for up to ten months a year.

There are also cooperative programs with the Army Reserve and Army National Guard that pay 75% of tuition, monthly drill pay and stipend for M.S. III and M.S. IV.

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, $605 annual allowance for books and class fees in addition to the tax free stipend of $250 & $300 per month for contracted Freshman and Sophomores, $350 per month for Juniors, and $400 per month for Seniors.

Four-Year National Scholarship Program: Interested students apply while still in high school. Apply on-line at http://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 @ 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 May each year. Interested students should contact the EWU ROTC Scholarship Officer @ 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 @ 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 (B.A.) in Military Science

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. 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 Writing (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 required credits ***83 credits***
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 required credits ***37 credits***
Total credits for above Minor ***37 credits***

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 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: Prior 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: Prior 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: Prior 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: Prior 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: Prior 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: Prior 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: Prior 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: Prior 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

B.A., B.A.E.
Minors
M.E.D.
Faculty: M. Andrews (Spanish), J. García-Sánchez (Spanish), M. Heady (French), P. Higman (Spanish), W. Kraft (German), C. Mount (Spanish), T. Oteiza (Spanish), F. Preisig (French), J. Stewart-Strobelt (German), 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 French at the University of Nice and in German 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—"A. P. Test Credit"—governs credit and placement for students who have taken the national A. P. 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 make 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 so for reasons of weak background and/or considerable elapse 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 coursework), 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 coursework), 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 coursework), 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 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 359-2481. The phone numbers and e-mail addresses of the chair and program faculty are also available on the university's web site.

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 not 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 (B.A.) in French

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)

Total required credits	***27 credits***
Total required from the following credits	***9 credits***
Total 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

Total required credits	***27 credits***
Total elective credits	***33 credits***
Total credits for above Major	***60 credits***

Bachelor of Arts (B.A.) in Spanish

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)

Total required credits	***34 credits***
Total 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)

Total required credits	***34 credits***
Total elective credits	***26 credits***
Total credits for above Major	***60 credits***

Bachelor of Arts in Education (B.A.E.) for French

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)

Total required credits	***31 credits***
Total required from the following credits	***9 credits***
Total elective credits	***9 credits***
Total credits for above Major	***49 credits***

Professional Education Requirements/ Elementary Education: 111-115 credits
or
Secondary Education: 50-52 credits

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

Total credits for above Major & Elementary Professional Education	***160 - 164 credits***
Total credits for above Major & Secondary Professional Education	***99 - 101 credits***

Note: *Students who do not have sufficient high school language preparation to begin 201 will require more than 12 quarters to complete the B.A.E..*

Note: *Students who want to have a second endorsement in a minor field will required more than 12 quarters to complete the B.A.E..*

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

Bachelor of Arts in Education (B.A.E.) for Spanish

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)

Total required credits ***38 credits***
Total elective credits ***11 credits***
Total credits for above Major ***49 credits***

Professional Education Requirements/
Elementary Education: 111-115 credits
or
Secondary Education: 50-52 credits

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

Total credits for above Major & Elementary Professional Education ***160 - 164 credits***
Total credits for above Major & Secondary Professional Education ***99 - 101 credits***

Note: *Students who do not have sufficient high school language preparation to begin 201 will require more than 12 quarters to complete the B.A.E..*

Note: *Students who want to have a second endorsement in a minor field will require more than 12 quarters to complete the B.A.E..*

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 required credits ***15 credits***
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 required credits ***30 credits***
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

Total required credits ***15 credits***
Total 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)

Total required credits ***19 credits***
Minimum total required elective credits ***11 - 12 credits***
Minimum total credits for above Minor ***30 - 31 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 required credits ***15 credits***
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)

Total required credits ***15 credits***
Total 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 required credits ***30 credits***
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)
Coursework in French, 400-500 level (Selected with the approval of the French advisor)

Approved electives

Total common requirement credits ***16 credits***
Total French 400-500 level credits ***24 credits***
Total elective credits ***8 credits***
Minimum total credits for above Master's Degree ***48 credits***

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.

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 GECR 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: Prior permission of the instructor.
Subjects vary according to faculty and student interest.

FREN 305, 306
French Conversation (2 each)
Prerequisite: FREN 201 or prior 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 prior permission of the instructor.

FREN 311
Grammar Review (2)
WINTER
Prerequisite: FREN 203 or prior 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 prior 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 prior 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 prior permission of the instructor.

FREN 399
Directed Study (1-5)
Prerequisites: Prior permission of the instructor and the department chairman.

FREN 410
French Stylistics (3)
Prerequisite: FREN 203 or prior 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 prior 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 prior 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 prior 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 prior 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 prior 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: Prior 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.

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: Prior 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 prior 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 grade point average, junior standing or prior permission of the instructor, pass comprehensive exam.
A survey of modern practices in the teaching of foreign languages.

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: Prior 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 prior 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 prior permission of the instructor; for GERM 311: GERM 310 or prior 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 prior 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 prior 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 prior 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 prior permission of the instructor.

GERM 399
Directed Study (1-5)

Prerequisites: Prior permission of the instructor and the department chairman.

GERM 415
Phonetics and Applied Linguistics (2)

Prerequisite: GERM 203 or prior 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 prior 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 prior 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 prior 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 prior 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 prior 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: Prior permission of the instructor and the department chairman.

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)

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 GECR 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.

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 GECR 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: Prior 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 prior 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 prior permission of the instructor.

SPAN 312
Spanish for Heritage Speakers (5)
Prerequisites: Being a "heritage speaker"; 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 prior 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 prior 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 prior 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 prior 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 prior permission of the instructor.
Major works of literature from the period of the Colonies to the present.

SPAN 397
Workshop, Short Courses or Conferences (1-5)

SPAN 398
Seminar (1-5)
Prerequisite: SPAN 310 or prior permission of the instructor.

SPAN 399
Directed Study (1-5)
Prerequisites: Prior 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 prior 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 prior 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 prior 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 prior 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 prior 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 prior 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 prior 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 prior 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 prior 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 prior permission of the instructor and the department chairman.

([1]The 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.)

PHILOSOPHY

College of Arts and Letters
Terrance MacMullan, Coordinator
350F Patterson Hall
(509) 359-2859

Minor
Faculty: T. MacMullan, M. Marinucci, D. McKereghan, S. Scott

UNDERGRADUATE PROGRAM

The Philosophy Department offers two instructional services (1) general interest courses which deal with our philosophical heritage and contemporary thought, and (2) a minor in philosophy which encompasses some principal concerns of the discipline.

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.

A minor in 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 the course description section for clarification.

Minor

Philosophy Minor (20 credits)
No more than 10 credits may be taken in 200-level philosophy courses.

Total required credits	***20 credits***
Total credits for above Minor	***20 credits***

Courses

***Terms Offered**: If no terms are indicated, check with department or quarterly Course Announcement.*

PHIL 210
Critical Thinking (5)
FALL/WINTER/SPRING/SUMMER
[satisfies the GECR 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 GECR 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/SPRING
[satisfies the GECR 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 GECR 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)
WINTER/SPRING

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)
SPRING

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)
SPRING

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)
SPRING

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)
WINTER

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)
SPRING

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.]

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)

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.

MUSIC

College of Arts and Letters
Patrick Winters, Chair
119 Music Building
(509) 359-6129

B.A., B.A.E., B.M.
Minors
M.A.
Faculty: K. Baldwin, D. Dutton, K. Feeney, L. Feller-Marshall, E. Foster, J. Graves, L. Honn, R. Hubbard, E. Jablonsky, J. Marshall, J. Middleton, S. Mortier, M. Nakahara, K. Noble, D. Otto, C. Peterson, C. Phillips, A. Plamondon, K. Ploeger, J. Scriggins, R. Tapper, A. Taylor, R. Wagner, S. Windham, P. Winters, M. Zyskowski

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 eleven options are offered for students who wish to become performers, composers, conductors, theorists, teachers, or scholars. Four music minor options are also available. Several courses in music literature are open to all students. Some of these courses can be counted toward the General Education Core Requirements (GECR). 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.

Outstanding Facilities: Music students enjoy modern facilities featuring an excellent piano laboratory with 22 units, 32 practice rooms, electronic music laboratory, 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), a 300-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. Scholarships available include Meritorious Music Scholarships, International Scholarships and Music Ensemble Awards. Players of orchestral stringed instruments may also qualify for an EWU-Spokane Symphony Scholarship. For information on audition dates and scholarship details, write the Department of Music or phone (509) 359-2241.

Employment Outlook or Placement: Our students have fared well in receiving employment following graduation. Other students receive employment in 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.

The Bachelor of Music degree is intended for students planning for professional performance careers 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, music merchandising, general studies in music, or graduate studies in music history and literature.

Accreditation Information: The Department of Music is accredited by the National Association of Schools of Music. The department was awarded full accreditation in 1963.

Attention High School Students: Those students considering a major in music should have a competent level of performance on an instrument or voice. Participation in the school band, orchestra, or choir is encouraged.

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.

Students enrolling as music majors should go directly to the Department of Music office for advising. This refers to both entering freshmen and transfer students.

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).

Music Ensemble: All students seeking a major in music are expected to participate in a major music ensemble appropriate to their principle area of performance each quarter of their university career except as noted in one degree program: Music Education. Major music ensembles, course numbers, and credits are: MUSC 331 Band (2), MUSC 332 Orchestra (2), and MUSC 333 Symphonic Choir (2); Minor ensembles are: MUSC 335 Instrumental Ensemble, MUSC 336 Vocal Ensemble and MUSC 337 Contemporary Music Ensemble. Instrumental groups include Jazz Ensemble; Percussion Ensemble; Trombone Choir; and Brass, Woodwind, String, and Piano Ensembles. Vocal groups include Collegians, Music Theatre, Opera Workshop, and other vocal ensembles.

Instruction on Instruments or in Voice: All students pursuing a major in music are expected to study their chosen medium of performance 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 large ensemble.

All students without previous credit in applied music at the university level must audition with a faculty member. Students registered for courses with multiple sections (piano and voice) should contact the instructor prior to preregistration for correct assignments.

Music instruction is offered in the following performance concentrations: baritone, bassoon, clarinet, flute, French horn, oboe, percussion, piano, saxophone, string bass, trombone, trumpet, tuba, viola, violin, violoncello, harp, and voice.

Students registered for individual instruction in applied music may be required to attend lessons of another student or special group. Recital appearances, arranged by the instructor, may be required of students studying applied music. Permission of the instructor must be obtained prior to a public appearance by a student. Recital attendance is required of students music.

Lessons in individual applied music missed by a student may not be made up unless the instructor is notified 24 hours before the regularly scheduled time of the lesson. Lessons missed by the instructor will be made up within the quarter. Lessons falling on a legal holiday will not be made up.

MUSC 100, 220, 240: Instruction on instruments or in voice and audition with a jury panel.

MUSC 300, 320, 420: Advanced instruction requires proficiency demonstrated in MUSC 220, Instruction on Instruments or in Voice and audition with a jury panel.

Major Ensemble Requirement: All students who are accepted for private applied music study are required to participate in a major ensemble. Exceptions are allowed only with the joint approval of the department chair, the appropriate major ensemble director, and the applied instructor.

Recital Attendance Policy: Students enrolled in MUSC 220, 240, 320, 420, and Music Majors enrolled in 120, 130 or 140 are required to attend six

departmentally-approved recitals each quarter. Weekly convocation attendance is required of all music majors and minors.

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 201. Exams are usually taken at the conclusion of the second quarter of MUSC 120. All incoming Freshman and Transfer students must take a Piano Placement exam prior to registration. Students who place out of MUSC 120 will be placed in MUSC 126 in order to complete the Piano Proficiency requirements. Piano Proficiency Requirements are available in the Music Office.

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

Bachelor of Arts (B.A.) in Music

Music Major with Liberal Arts Option (71 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.

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 I (3)
MUSC 103 Music Theory I (3)
MUSC 104 Sight Singing and Aural Skills (1)
MUSC 105 Sight Singing and Aural Skills (1)
MUSC 106 Sight Singing and Aural Skills (1)
MUSC 120 Piano Class (1+1)
MUSC 201 Music Theory II (3)
MUSC 202 Music Theory II (3)
MUSC 203 Music Theory II (3)
MUSC 204 Sight Singing and Aural Skills (1)
MUSC 205 Sight Singing and Aural Skills (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)

Music performance and electives

MUSC 220 Applied Instruction on Instrument or Voice (1+1+1)
MUSC 320 Applied Instruction on Instrument or Voice (1+1+1)
Music Ensembles (12 credits)
MUSC 331 Band (2)
MUSC 332 Orchestra (2)
MUSC 333 Symphonic Choir (2)
Music Electives at the 300 and 400 level (14)

Total required credits	***39 credits***
Total music performance and elective credits	***32 credits***
Total credits for above Major	***71 credits***

Bachelor of Arts in Education (B.A.E.) for Music/ Instrumental, Choral, General

Music: Instrumental, Choral, General/Elementary or Secondary Major (87 - 92 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.

Required Courses

MUSC 101 Music Theory I (3)
MUSC 102 Music Theory I (3)
MUSC 103 Music Theory I (3)
MUSC 104 Sight Singing and Aural Skills (1)
MUSC 105 Sight Singing and Aural Skills (1)
MUSC 106 Sight Singing and Aural Skills (1)
MUSC 120 Piano Class (1+1)
MUSC 130 Voice Class (1)
MUSC 201 Music Theory II (3)
MUSC 202 Music Theory II (3)
MUSC 203 Music Theory II (3)
MUSC 204 Sight Singing and Aural Skills (1)
MUSC 205 Sight Singing and Aural Skills (1)
MUSC 220 Applied Instruction on Instrument or Voice (1+1+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 320 Applied Instruction on Instruments or Voice (1+1)
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 331, 332, 333 Major Ensemble (22)
(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.)
MUSC 470 Senior Recital (1-5)

Select courses from the following: 6-7 credits

MUSC 382 Stringed Instrument Techniques (1+1)
MUSC 383 Woodwind Instrument Techniques (1+1+1)
MUSC 384 Brass Instrument Techniques (1)
MUSC 385 Percussion Instrument Techniques (1)

Minimum total required credits	***87 - 92 credits***
Minimum total; credits for above Major	***87 - 92 credits***

Professional Education Requirements/ Elementary Education: 108-112 credits

(Normally, this requirement carries 111-115 credits; however, this major already carries one professional education course for Elementary Education: Music 441 Music in the Elementary School (3).)

or

Secondary Education: 50-52 credits

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

Total credits for above Major & Elementary Professional Education	***195 - 204 credits***
Total credits for above Major & Secondary Professional Education	***137 - 144 credits***

Students in this program are excused from major ensemble participation during the quarter of student teaching.

Bachelor of Music (B.M.)

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.

Music Major with Instrumental Performance Option (93 - 97 credits)

Required Courses

MUSC 101 Music Theory I (3)
MUSC 102 Music Theory I (3)
MUSC 103 Music Theory I (3)
MUSC 104 Sight Singing and Aural Skills (1)
MUSC 105 Sight Singing and Aural Skills (1)
MUSC 106 Sight Singing and Aural Skills (1)
MUSC 120 Piano Class (1+1)
MUSC 201 Music Theory II (3)
MUSC 202 Music Theory II (3)
MUSC 203 Music Theory II (3)
MUSC 204 Sight Singing and Aural Skills (1)
MUSC 205 Sight Singing and Aural Skills (1)
MUSC 240 Applied Instruction on Instrument or Voice (10)
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 420 Applied Instruction on Instrument or Voice (12)
MUSC 470 Senior Recital (1-5)

Music performance and electives

Select one of the following courses applicable to the student's major instrument: 3 credits

MUSC 462 String Pedagogy (3)
MUSC 463 Woodwind Pedagogy (3)
MUSC 464 Brass Pedagogy (3)
MUSC 468 Percussion Pedagogy (3)
Admission to Performance Major (0)
Junior Recital (0)
Major Ensemble (24)
Minor Ensemble (2)

Minimum total required credits	***64 - 68 credits***
Total music performance and elective credits	***29 credits***
Minimum credits for above Major	***93 - 97 credits***

Music Major with Music Composition Option (85 - 89 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.

Required Courses

MUSC 101 Music Theory I (3)
MUSC 102 Music Theory I (3)
MUSC 103 Music Theory I (3)
MUSC 104 Sight Singing and Aural Skills (1)
MUSC 105 Sight Singing and Aural Skills (1)
MUSC 106 Sight Singing and Aural Skills (1)
MUSC 120 Piano Class (1+1)
MUSC 201 Music Theory II (3)
MUSC 202 Music Theory II (3)
MUSC 203 Music Theory II (3)
MUSC 204 Sight Singing and Aural Skills (1)
MUSC 205 Sight Singing and Aural Skills (1)
MUSC 209 Compositional Techniques (2)
MUSC 240 Applied Instruction on Instrument or Voice (3)
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 320 Applied Instruction on Instrument or Voice (1+1+1)
Major Ensemble:
MUSC 331 Band (2)
MUSC 332 Orchestra (2)
MUSC 333 Symphonic Choir (2)
MUSC 401 Advanced Analysis (2)
MUSC 409 Composition (15)
MUSC 470 Senior Composition Recital (1-5)

Music Electives

Choose 400-level courses

Minimum total required credits	***64 - 68 credits***
Total required music ensemble credits	***12 credits***
Total music elective credits	***9 credits***
Minimum total credits for above Major	***85 - 89 credits***

Music Major with Piano Performance Option (96 - 106 credits)

Required Courses

MUSC 101 Music Theory I (3)
MUSC 102 Music Theory I (3)
MUSC 103 Music Theory I (3)
MUSC 104 Sight Singing and Aural Skills (1)
MUSC 105 Sight Singing and Aural Skills (1)
MUSC 106 Sight Singing and Aural Skills (1)
MUSC 201 Music Theory II (3)
MUSC 202 Music Theory II (3)
MUSC 203 Music Theory II (3)
MUSC 204 Sight Singing and Aural Skills (1)
MUSC 205 Sight Singing and Aural Skills (1)
MUSC 240 Applied Instruction on Instrument or Voice (piano) (10)
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 335 Music Ensemble: Instrumental (Piano) (3)

(One year of Piano Ensemble may be substituted in lieu of one year of a major ensemble)

MUSC 340 Advanced Functional Keyboard (2)
MUSC 356 History of Jazz (3)
MUSC 420 Applied Instruction on Instrument or Voice (piano) (12)
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)
Performance Ensembles
Admission to Performance Major (0)
Junior Recital (0)
MUSC 331, 332, 333 Major Ensemble (24)
MUSC 331 Band (2)
MUSC 332 Orchestra (2)
MUSC 333 Symphonic Choir (2)
or if a year of Piano Ensemble is substituted for a year of a Major Ensemble (18)

Minimum total required credits	***78 - 82 credits***
Minimum total required performance ensemble credits	***18 - 24 credits***
Minimum credits for above Major	***96 - 106 credits***

Music Major with Vocal Performance Option (115 - 119 credits)

Required Courses

MUSC 101 Music Theory I (3)
MUSC 102 Music Theory I (3)
MUSC 103 Music Theory I (3)
MUSC 104 Sight Singing and Aural Skills (1)
MUSC 105 Sight Singing and Aural Skills (1)
MUSC 106 Sight Singing and Aural Skills (1)
MUSC 120 Piano Class (1+1)
MUSC 201 Music Theory II (3)
MUSC 202 Music Theory II (3)
MUSC 203 Music Theory II (3)
MUSC 204 Sight Singing and Aural Skills (1)
MUSC 205 Sight Singing and Aural Skills (1)
MUSC 240 Applied Instruction on Instrument or Voice (voice) (10)
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 420 Applied Instruction on Instrument or Voice (voice) (12)
MUSC 461 Vocal Pedagogy (3)
MUSC 470 Senior Recital (1-5)
Language Courses
10 credits of French courses
10 credits of German courses
Performance Ensembles
Admission to Performance Major (0)
Junior Recital (0)
Major Ensemble (24)
Minor Ensemble (4) (1 each year)

Minimum total required credits	***67 - 71 credits***
Total required languages credits	***20 credits***
Total required performance ensembles credits	***28 credits***
Minimum credits for above Major	***115 - 119 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 I (3)
MUSC 104 Sight Singing and Aural Skills (1)
MUSC 105 Sight Singing and Aural Skills (1)
MUSC 212 Music in The Humanities (5)*

Electives

Select in consultation with department advisor.

Total required credits ***13 credits***
Total elective credits ***3 credits***
Total credits for above Minor ***16 credits***

***Note:** MUSC 212 also counts as a GECR.*

Music: Broad Area Option/Elementary or Secondary Minor (43 credits)

This minor satisfies the endorsement for Preschool to grade 12.

Required Courses

MUSC 101 Music Theory I (3)
MUSC 102 Music Theory I (3)
MUSC 103 Music Theory I (3)
MUSC 104 Sight Singing and Aural Skills (1)
MUSC 105 Sight Singing and Aural Skills (1)
MUSC 106 Sight Singing and Aural Skills (1)
MUSC 120 Piano Class (1+1)
or MUSC 220 Applied Instruction on Instrument or Voice (Piano) (1+1)
MUSC 130 Voice Class (1)
or MUSC 220 Applied Instruction on Instrument or Voice (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)

Select courses from the following: 6 credits (Some participation in both vocal & instrumental ensembles is required.)

MUSC 331 Band (2)
MUSC 332 Orchestra (2)
MUSC 333 Symphonic Choir (2)

Select four appropriate courses from the following: 4 credits (If the student is an instrumental performer, the student will select the three instrumental techniques courses outside his or her instrument group)

MUSC 382 Stringed Instrument Techniques (1)
MUSC 383 Woodwind Instrument Techniques (1)
MUSC 384 Brass Instrument Techniques (1)
MUSC 385 Percussion Instrument Techniques (1)

Total required credits ***33 credits***
Total required vocal and instrumental credits ***6 credits***
Total required instrumental techniques credits ***4 credits***
Total credits for above Minor ***43 credits***

Music: Choral Music Option/Elementary or Secondary Minor (34 credits)

This minor satisfies the endorsement for Preschool to grade 12.

Required Courses

MUSC 101 Music Theory I (3)
MUSC 102 Music Theory I (3)
MUSC 103 Music Theory I (3)
MUSC 104 Sight Singing and Aural Skills (1)
MUSC 105 Sight Singing and Aural Skills (1)
MUSC 106 Sight Singing and Aural Skills (1)
MUSC 120 Piano Class (1+1)
or MUSC 220 Applied Instruction on Instrument or Voice (Piano) (1+1)
MUSC 130 Voice Class (1)
or MUSC 220 Applied Instruction on Instrument or Voice (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+1)
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 required credits ***34 credits***
Total credits for above Minor ***34 credits***

Music: Instrumental Music Option/Elementary or Secondary Minor (36 credits)

This minor satisfies the endorsement for Preschool to grade 12.

Required Courses

MUSC 101 Music Theory I (3)
MUSC 102 Music Theory I (3)
MUSC 103 Music Theory I (3)
MUSC 104 Sight Singing and Aural Skills (1)
MUSC 105 Sight Singing and Aural Skills (1)
MUSC 106 Sight Singing and Aural Skills (1)
MUSC 120 Piano Class (1+1)
or MUSC 220 Applied Instruction on Instrument or Voice (piano) (1+1)
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+1)
MUSC 356 History of Jazz (3)

Select appropriate 3 classes outside the student's own instrumental emphasis:

MUSC 382 Stringed Instrument Techniques (1)
MUSC 383 Woodwind Instrument Techniques (1)
MUSC 384 Brass Instrument Techniques (1)
MUSC 385 Percussion Instrument Techniques (1)

MUSC 441 Music Methods For the Elementary Music Specialist (3)
MUSC 446 Instrumental Methods and Materials (2)

Total required credits ***33 credits***
Total required instrumental emphasis credits ***3 credits***
Total credits for above Minor ***36 credits***

GRADUATE PROGRAM

Master of Arts in Music

Lynn Brickmeyer, Program Advisor
229 Music Building
(509) 359-2330

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 "Sequence of Procedures for Graduate Degree."

Composition Emphasis

Required Core

MUSC 520 Research Techniques and Bibliography in Music (3)
Music History from the following[1]: 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)[2] (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)

Total required core credits ***34 credits***
Total required composition credits ***26 credits***
Minimum 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[1]: 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)[2] (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)* (10)

Total required core credits ***34 credits***
Total required general (non-specific) credits ***26 credits***
Minimum 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[1]: 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)[2] (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)

Total required core credits ***34 credits***
Total required music education credits ***26 credits***
Minimum 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[1]: 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)[2] (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 Instruments 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)

Total required core credits ***34 credits***
Total required performance credits ***26 credits***
Minimum total credits for above Master's Degree ***60 credits***

All Master's students must pass an Oral Examination.

*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.

**To be determined in consultations among the student, the student's area advisor(s), and the graduate program advisor.*

[1]Students in the Composition Emphasis must take MUSC 556 Music of the 20th Century as one of their Music History courses.

[2]Students in the Composition Emphasis must take at least three quarters of piano.

Final Comprehensive Examination

Preliminary to the 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.

Courses

Terms Offered*: If no terms are indicated, check with department or quarterly Course Announcement.*

MUSC 100
Instruction on Voice or Instrument (1)
FALL/WINTER/SPRING
Lab fee. Prerequisites: Concurrent enrollment in large ensemble, audition with instructor.
All students not majoring or minoring in music should register for this number. 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 large ensemble.

MUSC 101
Music Theory I (3)
FALL
Prerequisites: Concurrent enrollment in MUSC 104 and 120.
Basic theory devoted to notation, scales, intervals, keys, and elementary harmony.

MUSC 102
Music Theory I (3)
WINTER
Prerequisites: MUSC 101, concurrent enrollment in MUSC 105 and 120.
Study of harmonic practice and part writing. Treatment of major and minor seventh chords. Melodic construction.

MUSC 103
Music Theory I (3)
SPRING
Prerequisites: MUSC 102, concurrent enrollment in 106.
Emphasizes analysis, modulation, non-dominant and secondary dominant seventh chords, American popular song, and American jazz forms.

MUSC 104
Sight Singing and Aural Skills (1)
FALL
Prerequisites: Concurrent enrollment in MUSC 101 and 120.
Singing of materials emphasizing stepwise melodic motion and triadic motion. Study of basic rhythms. Ear training: identify intervals and scale forms.

MUSC 105
Sight Singing and Aural Skills (1)
WINTER
Prerequisites: MUSC 104, concurrent enrollment in MUSC 102 and 120.
Introduction of C clefs, compound meter and more difficult rhythms. Dictation includes error detection as well as melodic dictation.

MUSC 106
Sight Singing and Aural Skills (1)
SPRING
Prerequisites: MUSC 105, concurrent enrollment in 103.
Modulation exercises and introduction of sequentials. Dictation: error detection and harmonic dictation emphasized.

MUSC 110
Introduction to Piano and Music Theory (3)
FALL
Basic musical skills, including notation, scales, key signatures, chords, intervals and keyboard experience.

MUSC 120
Piano Class (1)
Prerequisite: MUSC 110 or consent of the instructor.
All Music majors or minors without previous credit in applied piano at the university level should register for this number. This course may be repeated until the student reaches the proficiency level necessary to pass the piano proficiency exam.

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
Prerequisite: MUSC 110 or consent of the instructor.
All students without previous credit in applied vocal music at the university level should register for this number. This course may be repeated until the student reaches the proficiency level necessary for advanced instruction.

MUSC 140
Instrument Class (1)
FALL/WINTER/SPRING
Prerequisite: MUSC 110 or audition with the instructor.
Only students assigned by the instructor should register for this number. This course may be repeated until the student reaches the proficiency level necessary for applied instruction at the MUSC 220 level.

MUSC 201
Music Theory II (3)
FALL
Prerequisites: MUSC 103, declared music major or consent of the instructor, concurrent enrollment in MUSC 204, piano proficiency exam.
Emphasizes contrapuntal techniques, variation techniques, and study of chromatic and color harmonies.

MUSC 202
Music Theory II (3)
WINTER
Prerequisites: MUSC 201, concurrent enrollment in 205.
Study of advanced harmonic practice including altered dominants and chromatic mediants. Study of large forms emphasizing various forms of rondo.

MUSC 203
Music Theory II (3)
SPRING
Prerequisite: MUSC 202.
Study of late 19th and 20th century compositional and formal techniques and devices.

MUSC 204
Sight Singing and Aural Skills (1)
FALL
Prerequisites: MUSC 106, concurrent enrollment in MUSC 201, piano proficiency exam.
Emphasizes rhythmic and melodic complexity including chromaticism and modulation. Dictation of comparable material.

MUSC 205
Sight Singing and Aural Skills (1)
WINTER
Prerequisites: MUSC 204, concurrent enrollment in 202.
Emphasizes unusual modulation, scales and time signatures.

MUSC 209
Compositional Techniques (2)
FALL
Prerequisite: Prior permission of the instructor.
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 GECR for humanities and fine arts, list 2, fine arts.]
A survey of musical literature in terms of humanistic development with emphasis on musical style and structure and relations with the other arts. (Cross-listed HUMN 212)

MUSC 220
Applied Instruction on Instrument or Voice (1)
FALL/WINTER/SPRING
Lab fee. Prerequisites: MUSC 120, 130, 140 or consent of the instructor by audition, concurrently register for large ensemble.
Freshman and sophomore music majors or minors should register for this number. Students registered for courses with multiple sections (piano, instrument and voice) should contact the instructor prior to preregistration for correct assignments.

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
Lab fee. Prerequisites: Performance major status, audition with music faculty, concurrent enrollment in large ensemble.
Freshman and sophomore music performance majors should register for this number. Students registered for courses with multiple sections (piano, instrument and voice) should contact the instructor prior to pre-registration for correct assignments.

MUSC 244
Computers in the Music Classroom (2)
FALL
Lab fee. Prerequisites: Computer Literacy II clearance, MUSC 120 (piano) or equivalent.
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 300
Instruction on Voice or Instrument (1)
FALL/WINTER/SPRING
Lab fee. Prerequisites: MUSC 100 and junior standing jury, concurrently register for large ensemble.
Only students who are not majoring or minoring in music and have obtained permission from a jury panel may register for this class.

MUSC 305
Counterpoint (2)
Prerequisites: MUSC 101, 102, 104.
Study and application of contrapuntal techniques in 2 and 3 voices.

MUSC 310
Basic Conducting Skills (2)
FALL
Prerequisite: MUSC 103 or consent of the instructor.
Study of fundamental conducting techniques, score study and rehearsal techniques.

MUSC 312
Advanced Conducting Skills (2)
WINTER
Prerequisites: MUSC 203 and 310.
Conducting and rehearsal techniques applicable to choral and instrumental performance groups.

MUSC 320
Applied Instruction on Instrument or Voice (1)
FALL/WINTER/SPRING
Lab fee.
Prerequisites: MUSC 220 and audition with jury panel, concurrently register for large ensemble.
Only junior and senior music majors or minors who have passed junior level juries may register for this number. (Music Performance majors should register fro MUSC 240 or 420). Students registered for courses with multiple sections (piano, instrument and voice) should contact the instructor prior to pre-registration for correct assignments.

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
Prerequisites: MUSC 101 and/or 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 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
Advanced Functional Piano (2)
OFFERED ALTERNATE YEARS
Prerequisites: Junior or senior standing or permission of the instructor.
Advanced 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 prior 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 prior permission of the instructor.
Elementary instruction in woodwind techniques.

MUSC 384
Brass Instrument Techniques (1)
SPRING
Prerequisite: Music major or prior permission of the instructor.
Elementary instruction in brass techniques.

MUSC 385
Percussion Instrument Techniques (1)
WINTER
Prerequisite: Music major or prior permission of the instructor.
Elementary instruction in percussion techniques.

MUSC 390
Music Methods for Elementary Classroom Teachers (3)
FALL/WINTER/SPRING/SUMMER
Lab fee. 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: Prior 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 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 420
Applied Instruction on Instrument or Voice (2)
FALL/WINTER/SPRING
Lab fee. Prerequisites: MUSC 240 and audition with jury panel, concurrently register for large ensemble.
Only music performance majors may register for this number. Students registered for courses with multiple sections (piano, instruments and voice) should contact the instructor prior to preregistration for correct assignments.

MUSC 441
Music Methods for the Elementary Music Specialist (3)
WINTER
Lab fee. 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, 203, 310 or permission of the instructor.
The development of a sequential choral program in the secondary schools.

MUSC 446
Instrumental Methods and Materials (2)
SPRING
Prerequisites: MUSC 203, 310.
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: Prior 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: Prior 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: Prior 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: Prior 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 prior permission of the instructor.
Preparation for teaching individual and class voice in the studio.

MUSC 462
String Pedagogy (3)
WINTER
Prerequisites: Senior standing and prior permission of the instructor.
Preparation for teaching individual or class lessons in string instruments.

MUSC 463
Woodwind Pedagogy (3)
WINTER
Prerequisites: Senior standing and prior permission of the instructor.
Preparation for teaching individual or class lessons in woodwind instruments.

MUSC 464
Brass Pedagogy (3)
WINTER
Prerequisites: Senior standing and prior permission of the instructor.
Preparation for teaching individual or class lessons in brass instruments.

MUSC 467
Accompanying (3)
FALL/WINTER/SPRING
Prerequisite: Prior permission of the instructor.
Vocal and instrumental literature, analyzing accompanist's problems.

MUSC 468
Percussion Pedagogy (3)
WINTER
Prerequisites: Senior standing and prior permission of the instructor.
Preparation for teaching individual and class percussion in the studio.

MUSC 470
Senior Recital (1-5)
FALL/WINTER/SPRING
Prerequisite: Prior 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: Prior 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 Instruments or Voice (2)
FALL/WINTER/SPRING
Prerequisites: Prior 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: Prior 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: Prior 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: Prior permission of the instructor.

MUSC 552
Music of the Renaissance Era (3)
Prerequisite: Prior permission of the instructor.

MUSC 553
Music of the Baroque Period (3)
Prerequisite: Prior permission of the instructor.

MUSC 554
Music of the Classical Period (3)
Prerequisite: Prior permission of the instructor.

MUSC 555
Music of the Romantic Period (3)
Prerequisite: Prior permission of the instructor.

MUSC 556
Music of the 20th Century (3)
Prerequisite: Prior 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: Prior 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: Prior 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: Prior 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: Prior 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: Prior 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, Math and Technology
Heather McKean, Advisor
241 Science Hall
(509) 359-6512

B.A.E.
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 (B.A.E.) for Natural Science

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. (Other courses can be approved by a Natural Science Advisor.) (15 credits)

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)

Total required credits	***15 credits***
Total biological science elective credits	***5 credits***
Total earth science elective credits	***5 credits***
Total physical science elective credits	***5 credits***
Total credits for above Major	***30 credits***

Professional Education Requirements/ Elementary Education: 111-115 credits

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

Total credits for above Major & Professional Education	***141 - 145 credits***

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.*

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: Prior 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, R.N., M.N.
General Undergraduage Academic Advising Office
302 Sutton Hall, EWU
(509) 359-6926

B.S.N.
M.N.
Faculty: P. Aamodt, J. Adams, C. Allen, G. Anderberg, M. Armstrong, J. Banasik, T. Bayne, M. Beamis, B. Bendel, R. Bindler, D. Brinker, C. Brown, M. Bruya, K. Busch, T. Buxton, B. Cardell, B. Cherrier, K. Choka, C. Clark, P. Cleanthous, C. Corbett, D. Detlor, D. Doutrich, A. Dupler, P. Eide, B. Emerson, B. Evans, L. Flaherty, A. Fulton, G. Gass, E. Gruber, M. Haberman, L. Hahn, V. Hennessy, Z. Higgs, A. Hirsch, R. Hoeksel, D. Hudzinski, S. Jamiel, C. Johns, M. Jones, L. Kaplan, J. Katz, D. Kinzel, F. Lege, B. Leon, J. Lohan, N. Lungstrom, N. Lyons, C. Martin, M. Matson, C. Melin, J. Meyers, K. Miller, D. Molinari, B. Morrison, S. Northern, R. O'Brien, E. Owen-Williams, B. Oyler, S. Perkins, R. Perrin, R. Pringle, J. Ramirez, M. Rasmor, K. Records, M. Rice, C. Riebe, K. Roach, L. Rogers, S. Rux, L. Schumann, B. Severtsen, M. Slider, J. Spuck, M. Stucky, D. Swain, G. Synoground, J. Trilling, F. Van Gemert, P. Vancini, L. Ward, M. Webster, G. Weiss, P. Wheeler, 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, R.N., M.N., Advising Office, 102 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 grade point average. 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 (5)
BIOL 233 Human Anatomy and Physiology (5)
BIOL 234 Human Anatomy and Physiology (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)
FNDT 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 (B.S.N.) in Nursing

Nursing Major (97.5 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 314 Introduction to Nursing Practice in Health and Illness (6)
NURS 315 Nursing Practice: Health and Illness (6)
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 (3)
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)

Total required credits	***93 credits***
Total elective credits	***4.5 credits***
Total credits for above Major	***97.5 credits***

Nursing Program for Registered Nurses Required Courses

RN to B.S.N. 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 2.5 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

N

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 B.S.N.

Semester I
NURS 360 Professional Nursing Concepts and Issues (2 semester hours)
NURS 365 Assessment and Application of Physiological Concepts I (3 senester 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 Healthcare (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 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 581 Advanced Physiology and Pathophysiology I (6)
NURS 582 Advanced Physiology and Pathophysiology II (4.5)
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: ***58.5 credits with thesis 63 credits***

Courses Required for Psychiatric/Mental Health Nurse Practitioner
NURS 541 Psychiatric/Mental Health Nursing: Individuals (6)
NURS 542 Psychiatric/Mental Health Advanced Practice Role Development (3)
NURS 543 Psychiatric/Mental Health Nursing: Groups and Families (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 562 Advanced Health Assessment and Differential Diagnosis (6)
NURS 581 Advanced Physiology and Pathophysiology I (6)
NURS 582 Advanced Physiology and Pathophysiology II (4.5)
PharP 525 Practical Psychiatric Drug Therapy for Clinicians (strongly recommended elective) (4.5)
NURS 700 Thesis (9)
or NURS 702 Clinical Research Project (4.5)

Total for Psychiatric/Mental Health Nurse Practitioner: ***54 or 64.5 credits with thesis 58.5 or 72 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 coursework, including the thesis or clinical research project. When the student has completed and/or is enrolled in the last semester of all required coursework, 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.

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 314
Introduction to Nursing Practice in Health and Illness (6)
Co-requisites: NURS 308, 311.
Introduction to nursing concepts and health assessment including core professional values, knowledge and competencies for nursing practice.

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 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 gerontologial nurse.

NURS 360
Professional Nursing Concepts and Issues (3)
Prerequisite: Admission to RN/B.S.N. 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 case 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 (3)
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 Heath (4.5)
Prerequisites: NURS 462 and 440 or c//.
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 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 prior permission of the instructor.
Selected topics in nursing.

NURS 499
Independent Study (2-6)

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 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 or permission of the instructor.
Theories of psychopathology and appropriate nursing interventions with individuals across the age continuum, families, groups, and communities.

NURS 542
Psychiatric/Mental Health Advanced Practice Role Development (3)
Prerequisite: B.S.N. 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: Groups and Families (6)
Prerequisites: NURS 541, 542 or by interview only.
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 and 543.
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, and interventions in the 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, 581 or 582.
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, 581 or 582.
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, 581 or 582.
Assess, differentially diagnose, and therapeutically intervene with individuals in childbearing, childrearing, and other multigenerational families. Experience will include management of family health care problems in rural and urban settings.

NURS 571
Adult and Elders: Inpatient Management of Chronic Problems (9)
Prerequisites: NURS 562, 563, 581 and co-requisites: NURS 582 and 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; co-requisites: NURS 575, 582.
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 Physiology and Pathophysiology I (6)

Prerequisite: Graduate standing in nursing or permission of the instructor.

Advanced cellular and system physiology/ pathophysiology related to health care of individuals with cardiopulmonary, renal, and hematological diseases.

NURS 582
Advanced Physiology and Pathophysiology II (4.5)

Prerequisite: Graduate standing in nursing or permission of the instructor.

Advanced cellular and system physiology/ pathophysiology related to health care of individuals with neuroendocrine, gastrointestinal and immune diseases.

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, 582, and one of NURS 567, 568, or 569.

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, Math and Technology
Elizabeth S. Kohler, Associate Professor and Chair
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B.S.
M.O.T.
Faculty: K. Brick, W. Homes, C. Leonard, R. Russell

UNDERGRADUATE PROGRAM

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

Bachelor of Science (B.S.) in Occupational Therapy

Note: The Program will accept the last Bachelor's class in 2004.

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. By providing skilled evaluation, intervention and health promotion strategies, 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 general practice competencies, leadership skills, 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), located at 4720 Montgomery Lane, P.O. Box 31220, Bethesda, MD 20824-1220. AOTA's 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). After successful completion of this exam, the individual will be an Occupational Therapist, Registered (OTR). Most states require licensure in order to practice; however, state licenses are usually based on the results of the NBCOT Certification Examination. AOTA requires that all OT students complete Level II Fieldwork within 24 months following completion of academic preparation.

Additionally, the Professional Program will move to an Entry-Level Master's Degree in 2004. Therefore, the last class admitted to Eastern's Occupational Therapy Program on a bachelor's level will be in 2004.

Core Requirements: All students with an approved Direct Transfer Degree (DTD) will be considered to have completed all General Education Core Requirements (GECRs), except Culture and Gender Diversity and International Studies. Those students who do not have a DTD must complete all GECRs, approximately 40-quarter credits. Students transferring to Eastern from another university/college without a Direct Transfer Degree (DTD) must have their transcripts evaluated by the Department of Admissions to determine if coursework is equivalent to the required prerequisites. Students must also check with their OT advisors to ensure they are selecting the proper courses for each GECR.

Transfer students without a DTD must successfully pass the CPLA 100/101 competency tests given by the Department of Computer Science or enroll in and complete these courses.

*The Department of Occupational Therapy can only determine equivalences for OCTH 101, CMST 200, and Medical Terminology. An EWU admissions evaluator can determine all other equivalencies upon applying for admission to EWU.

Prerequisites to the Professional Occupational Therapy Program: The prerequisite course of study may require more than 6 quarters to complete at 15-16 credits per quarter. Eastern requires a minimum of 180 credits to graduate, 60 of which must be upper division credits, 45 credits must be in residence, 90 credits of the 180 must be university/college level credits, as opposed to community college level. The prerequisite course of study below assumes that the student is initially placed in college-level Computer Literacy, English Composition, and Mathematics. Otherwise, the student may also need to take any or all of the following: CPLA 100, ENGL 100, MATH 101, and MATH 104.

B.S. in OT Specific Prerequisites:

Chemistry–Any 5 credit college-level course (5)

CMST 200 Introduction to Speech Communication (4)

*Human Anatomy and Physiology (10 quarter credits minimum)

OCTH 101 Introduction to Occupational Therapy (2) Can be taken correspondence**

Medical Terminology–Any 1 credit college-level course (1) Self-Study. Can be taken correspondence**. See Advisor.

PSYC 100 General Psychology (5)

BIOL 171 Biology I (4)

PSYC 302 Abnormal Psychology (5)

*If the full A/P Series is completed at EWU (BIOL 232, 233, and 234) the medical terminology and BIOL 171 prerequisite are waived.

**Correspondence courses for OCTH 101 are provided by the University of North Dakota. Call 1-800-342-8230. Contact the department for other prerequisite alternatives regarding OCTH 101 and Medical Terminology.

Candidates must also complete the *Professional Occupational Therapy Program Application* as part of the application process for candidacy into the Program. Admission into the Professional Program is offered only one time per year in the fall quarter. The Professional Program is a lock-step 6-quarter sequence. Deadline for fall quarter applications is in the spring *prior* to the expected fall quarter admittance into the Program. Please contact the Department for specific deadline dates and to receive a *Professional Occupational Therapy Program Application*.

Application to the Professional Program

A student is considered for admission based on the quality of: a) performance in all components of the application; and b) demonstrated success in higher education as determined through college credentials. The Department of Occupational Therapy may in certain instances require a personal interview as part of its selection process. Decisions are based upon the following (for details in each category contact the Department):

1. Successful completion of all prerequisites before entering the Professional Program,
2. Demonstrated 2.75 cumulative college GPA. A minimum of 3.0 in OT prerequisite sciences,
3. Documented voluntary or work experience of forty (40) hours total with persons who have disabilities. This must include ten (10) hours shadowing an occupational therapist(s) in two different practice settings for a total of 40 hours voluntary or work experience,
4. Three letters of recommendation using the application content format,
5. Essay responses.

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

Bachelor of Science (B.S.) in Occupational Therapy

Please note: You must be accepted into the Professional Occupational Therapy Program before you can register for these courses. All courses utilize computer-based teaching learning methods and technology. Additionally some of the courses below have fees. Please consult the quarterly Course Announcements for details.

Occupational Therapy Major (122-128 credits)

Required Courses

OCTH 302 Occupational Therapy Seminar I (2)
OCTH 303 Occupational Therapy Seminar II (2)
OCTH 304 Occupational Therapy Seminar III (2)
OCTH 305 Occupational Performance and Mental Health (5)
OCTH 307 Occupational Performance Through the Life Span (5)
OCTH 308 Cadaver Anatomy for Occupational Therapy (5)
OCTH 309 Human Disease and Occupation (5)
OCTH 310 Applied Neurology for Occupational Therapy (5)
OCTH 311 Occupational Performance and Movement (5)
OCTH 312 Foundations of Occupational Therapy (5)
OCTH 314 Analysis of Occupational Performance (2)
OCTH 315 Fundamentals of Occupational Therapy Research (3)
OCTH 399 Directed Study (1-4)
OCTH 402 Occupational Therapy Seminar IV (2)
OCTH 403 Occupational Therapy Seminar V (2)
OCTH 404 Occupational Performance and Children (5)
OCTH 405 Evidence-Based Practice in Occupational Therapy: Research II (3)
OCTH 406 Emerging Practice I (3)
OCTH 407 Emerging Practice II (3)
OCTH 408 Administration and Organization in Occupational Therapy Practice (5)
OCTH 409 Health Wellness and Occupational Therapy Performance (5)
OCTH 410 Occupational Performance and Adolescents and Adults (5)
OCTH 411 Occupational Therapy and Technology (5)
OCTH 412 Occupational Performance and Older Adults (5)
OCTH 414 Occupational Therapy Fieldwork II Seminar (3)
OCTH 490 Emerging Practice III Senior Capstone (4)
OCTH 495 OT Fieldwork Level II (24)
OCTH 499 Directed Study (1-4)

Minimum total required credits	***122 - 128 credits***
Minimum credits for above Major	***122 - 128 credits***

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

GRADUATE PROGRAM

Master of Occupational Therapy

Entry-Level 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 recover to their maximum level of independence. By providing skilled evaluation, intervention and health promotion strategies, occupational therapists help people take care of themselves and their families, enjoy life, and contribute to the social and economic fabric of the community.

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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.

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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 parenthesis 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 (3)[2]
- 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)

[1]*If 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.*

[2]*It is highly recommended that students take Introduction to OT at EWU (offered winter quarter). However, if this is not possible, the course can be taken by correspondence or distance education. Two options include the University of North Dakota (1-800-342-8230) or Colorado State University (1-970-491-5288).*

[3]*Medical terminology can also be taken at EWU. The course is HLED 256. One option for a medical terminology equivalent is available on-line from Colorado State University (1-970-491-5288).*

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 Eastern Washington University Graduate Studies Program.[4]
2. Complete a baccalaureate degree from an accredited institution by June 15th of the year of application.
3. Complete the Graduate Record Examination (GRE) by February 1st 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 exam.
4. Complete the prerequisite courses listed.
5. Complete a baccalaureate degree with a minimum GPA of 3.00 in the last 90 graded quarter hours or 60 semester hours, and a minimum GPA in prerequisite science courses of 3.00.
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 registered occupational therapist. This experience must be verified in writing by the supervising occupational therapist, whose NBCOT registration number must appear on the verification form included with the application materials.
7. Three letters of recommendation.
8. 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.
9. Written Essays.

[4]*EWU Graduate Studies Office: 206 Showalter Hall, Cheney, WA 99004 (1-509-359-6297).*

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 3.00 minimum GPA in all courses.
- Removed any/all deficiencies regarding graduate requirements.
- Met with his/her OT graduate advisor to confirm the required course of study as well as requirements for advancing candidacy and graduation.
- Received approval for advisement 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 completion of Academic Course Work-Progress 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***

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 302
Occupational Therapy Seminar I (2)
FALL
Focuses on self-awareness related to family background, values and principles, culture, learning, and personality style. Basic skills of written communication and oral presentations for the profession emphasized.

OCTH 303
Occupational Therapy Seminar II (2)
WINTER
Focuses on the fundamental skills of therapeutic and effective interpersonal communication, professional integrity, improvement of written expression, and communicating in the workplace.

OCTH 304
Occupational Therapy Seminar III (2)
SPRING
Focuses on several advanced skills of professional communication and behaviors including interviewing skills, conflict resolution, mediation, intercultural communication, and group processing.

OCTH 305
Occupational Performance and Mental Health (5)
SPRING
Emphasis on provision of occupational therapy services with clients with mental illness. Overview of current mental health trends, roles of the occupational therapy practitioner, and the perspectives of clients with mental illness are examined. Fieldwork I experience included.

OCTH 307
Occupational Performance Through the Life Span (5)
FALL
Provides knowledge about individuals as they progress through the life span. Focus is on occupation, occupational performance, all life stages, influences of performance context, spirituality, and different cultural groups.

OCTH 308
Cadaver Anatomy for Occupational Therapy (5)
FALL
A detailed cadaver dissection review of the anatomy of the head, neck, shoulders, forearm, hand, trunk and pelvis with an overview of the lower extremities. This course combines lecture and lab with a focus on origins, insertions, muscle, tendon, ligament and introduction to mechanics of joint movement.

OCTH 309
Human Disease and Occupation (5)
FALL
An overview of human disease and injury processes occurring throughout the life span is covered. Content is explored within the framework of human occupation and occupational performance.

OCTH 310
Applied Neurology for Occupational Therapy (5)
WINTER
This course is an overview of neurologic function and process in the human body. Normal neurologic development through the life span will be the primary focus. Application of knowledge concerning anatomical and physiological relationships between body systems as they apply to occupational performance is emphasized.

OCTH 311
Occupational Performance and Movement (5)
SPRING
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 312
Foundations of Occupational Therapy (5)
WINTER
This course provides an overview of the founding principles of occupational therapy practice. Emphasis on occupational performance of individuals, theoretical constructs, standards of the profession, disability rights movement, and sociocultural and political impact upon the profession is explored.

OCTH 314
Analysis of Occupational Performance (2)
SPRING
Focus is on the assessment of occupational performance for the development of intervention plans. Multiple approaches for understanding occupational performance are examined including activity analysis, dynamic performance analysis, functional assessments, and standardized and non-standardized assessments.

OCTH 315
Fundamentals of Occupational Therapy Research (3)
SPRING
This course provides an introductory overview of the use of research in medical science with an emphasis specifically on the practice of occupational therapy. The application of knowledge concerning inquiry thinking, assessment, and research is fundamental in the training of occupational therapists working in today's health environment.

OCTH 399
Directed Study (1-4)
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.

OCTH 402
Occupational Therapy Seminar IV (2)
FALL
Emphasis is on collaboration, professional team-building, and consultation. Interviewing family members who have been impacted by a disability, observing and analyzing professional teams, and practicing team-building strategies are included.

OCTH 403
Occupational Therapy Seminar V (2)
WINTER
This course addresses leadership in occupational therapy as it relates to leadership theories and strategies, organizational behaviors, and systems change. Leaders who have impacted the field of occupational therapy are discussed.

OCTH 404
Occupational Performance and Children (5)
FALL
This course focuses on providing learning opportunities about children with special needs and pediatric occupational therapy practice. The course targets the provision of occupational therapy services with children, childhood occupations, disabling conditions, documentation and evidence-based practice. Fieldwork I experience included.

OCTH 405
Evidence-Based Practice in Occupational Therapy: Research II (3)
FALL
This course will take the students' learning experiences in OCTH 315, and provide a research synthesis learning experience. Students will review principles learned in Research I, identify questions related to occupational performance, review literature, determine research design/method, establish research boundaries, engage in data collection, analyze and interpret results, and discuss the implications of results on practice. Students will complete an American Psychological Association style paper as well as a verbal presentation of these activities.

OCTH 406
Emerging Practice I (3)
FALL
An introduction to the topic of emerging practice within the profession of occupational therapy is given. Issues that impact the development and delivery of occupational therapy services at emerging sites in rural and underserved areas are explored. Emphasis is on organizational structures, community resources, and networking strategies.

OCTH 407
Emerging Practice II (3)
WINTER
This course will focus upon enabling occupation through the application of the Canadian Model of Occupational Performance (CMOP). Concepts of client-centered practice, spirituality in human occupation, and the potential role of occupational therapists as case managers are explored.

OCTH 408
Administration and Organization in Occupational Therapy Practice (5)
WINTER
Focus is on topics related to the development, administration and management of occupational therapy services in both traditional and emerging areas of practice. Quality management, ethics, fiscal management, organizational behavior, marketing and supervision strategies are explored.

OCTH 409
Health Wellness and Occupational Therapy Performance (5)
FALL
This course provides an overview of occupational performance within a health promotion and community systems framework. Emphasis is on health promotion and disease prevention strategies for the occupational therapy practitioner.

OCTH 410
Occupational Performance and Adolescents and Adults (5)
WINTER
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.

OCTH 411
Occupational Therapy and Technology (5)
SPRING
This course is designed as a vehicle for integration of student learning in the areas of occupational assessment, needs identification and matching/ designing both high and low technology devices to maximize client independence in occupational performance. Additionally, the course incorporates an interdisciplinary experience of providing technology services to consumers.

OCTH 412
Occupational Performance and Older Adults (5)
SPRING
This course provides an understanding of the theoretical basis and practice skills applied in occupational therapy assessment and intervention for persons who are aging. Topics reflect multiple considerations including: views of persons who are aging; societal values and norms; and perspectives from interdisciplinary health care and service providers. Includes Fieldwork Level I experience.

OCTH 414
Occupational Therapy Fieldwork II Seminar (3)
SPRING
The seminar focuses on the transition from class to Level II fieldwork experiences. Teaching/learning experiences review expectations, supervisor-student relationships, professional and ethical behaviors, portfolio building, and documentation skills.

OCTH 490
Emerging Practice III Senior Capstone (4)
SPRING
[satisfies senior capstone university graduation requirement.]
Course focus is on the occupational therapy practitioner as an entrepreneur in current and emerging practice environments in the United States and globally. Content will address the development of entrepreneurial, grant writing, and business skills. This course serves as the Departmental senior capstone for the Professional Occupational Therapy Program and incorporates a capstone project.

OCTH 495
Occupational Therapy Fieldwork Level II (6-12)
Graded Pass/No Credit.
This is a fulltime 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 earn 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 M.O.T. 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.

OCTH 501
Cadaver Anatomy for Occupational Therapy (6)
Prerequisite: Admission to the M.O.T. 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 M.O.T. 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 M.O.T. 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 M.O.T. 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 M.O.T. 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 M.O.T. 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 M.O.T. 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 M.O.T. 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 M.O.T. 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 M.O.T. 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 M.O.T. 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 M.O.T. 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 M.O.T. 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 M.O.T. 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)

Prerequisite: Admission to the M.O.T. 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 includes 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 M.O.T. 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 M.O.T. 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 M.O.T. 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 M.O.T. 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 M.O.T. 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 M.O.T. 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 M.O.T. 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 Technology and Multimedia Design when creating products and providing technology services to consumers.

OCTH 542
Administration and Organization in Occupational Therapy (4)

Prerequisite: Admission to the M.O.T. 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 M.O.T. 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 M.O.T. 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 M.O.T. 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 M.O.T. 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 M.O.T. 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 M.O.T. 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 fulltime 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

See MODERN LANGUAGES AND LITERATURES AND PHILOSOPHY.

PHYSICAL EDUCATION, HEALTH & RECREATION

College of Education and Human Development
Alan Coelho, Chair
249 Physical Education Classroom Building
(509) 359-2464

B.A., B.A.E., B.S.
Minors
Health and Fitness Endorsement
M.S.
Faculty: G. Babcock, B. Brock, M. Chase, A. Coelho, J. Cogley, D. Early, M. Elfering, M. Flint, P. Green, J. Hammermeister, J. Kawaguchi, M. Mackenzie, J. McNeal, S. Melville, L. Morley, 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), Health with Health Promotion and Wellness option, Physical Education general, 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.

Recreation and Leisure Services (RCLS) Degree Requirements:

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.

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.

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 coursework prepares students to pursue certification from organizations such as ACSM, NSCA and ACE. These certifications are widely accepted in the fitness industry.

Physical Education: The Physical Education (B.A.E.) teaching endorsement and the Health Education (B.A.E.) teaching endorsement have been combined into the new Health and Fitness (B.A.E.) teaching endorsement (see below). We continue to offer a Bachelor of Science in Physical Education (non-teaching), and also a non-teaching Physical Education Coaching minor.

Health and Fitness: The Health and Fitness (B.A.E.) 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.

Health: Within Health, students have two programs to select from: a B.S. degree in Community Health Education, and a Health Promotion and Wellness option. A minor in Health Education is also available.

Recreation and Leisure Services: The nationally accredited Recreation and Leisure Services program (RCLS) is focused 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, park, resorts, outfitting companies, convention centers, correction facilities, the armed forces, and much more.

The RCLS program is 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 major areas: Outdoor Recreation, Recreation Management, and Therapeutic Recreation. The RCLS program also offers 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 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 vs. set times and days.

Awards:

Special recognition is given each quarter and yearly to outstanding students in each program. These awards are presented based upon academic achievement, character, leadership ability, professional involvement, professional competency and for significant contributions to the department or the university and for outstanding personality traits.

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

Bachelor of Arts (B.A.) in Recreation and Leisure Services

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 grade point average of 2.50 shall be necessary in all upper- and lower-division required RCLS courses.
3. A minimum cumulative grade point average of 2.50 shall be required for all university course work.
4. Failure to comply with the above standards will jeopardize Professional Internship eligibility.

Outdoor Recreation Major (92 credits)

The Outdoor Recreation option 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 First Responder (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)

Total required credits	***38 credits***
Total 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)

Total required credits	***38 credits***
Total 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 (3)
PHED 249 Anatomical Kinesiology (4)
PHED 250 Physiological Kinesiology (4)
CEDP 201 Lifespan Development (4)
PSYC 302 Abnormal Psychology (5)

Total required credits ***38 credits***
Total 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 (B.A.E.) for Health and Fitness

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 a 2.50 in all university courses.

Required Courses

HLED 250 Mind Altering Substances (3)
HLED 262 Health and Fitness for Health Enhancement (4)
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:

Health Track: 17 credits

HLED 374 Investigation of Disease and Illness (5)
HLED 376 Consumer Health (3)
HLED 480 Health and Wellness Promotions (3)

Select a total of 3 teaching methods courses: 6 credits

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)

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)

Total required credits ***51 credits***
Minimum total required track credits ***16 - 17 credits***
Minimum total credits for above Major ***67 - 68 credits***

Professional Education Requirements/ Elementary Education: 111-115 credits

or

Secondary Education: 50-52 credits

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

Minimum total credits for above Major & Elementary Professional Education ***178 - 183 credits***
Minimum total credits for above Major & Secondary Professional Education ***117 - 120 credits***

Note Required: *Must be a member of a professional organization.*

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

Bachelor of Science (B.S.) in Athletic Training

Athletic Training Major (110 credits)

This major is designed for those students who are interested in becoming certified athletic trainers. The major is designed to 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, grade point average in prerequisite courses, checking with references, and a short essay. Applications are due Monday of the last week of instruction during winter quarter of 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 courses works.
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 (3)
HLED 370 Personal and Community Health (4)
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 (5)
BIOL 233 Human Anatomy and Physiology (5)
BIOL 234 Human Anatomy and Physiology (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 required credits	***110 credits***
Total credits for above Major	***110 credits***

Must meet with your major advisor for other supporting courses.

Bachelor of Science (B.S.) in Exercise Science

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 coursework 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 grade point average 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 grade point average 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)
EXSC 332 Personal Training (Professional Lab) (2)
PHED 333 Group Exercise Instruction (2)
PHED 335 Strength and Conditioning Prolab (2)
EXSC 455 Research and Analysis (2)
EXSC 460 Physiology of Exercise (4)
EXSC 480 Cardiovascular Rehabilitation (3)
EXSC 481 Electrocardiology Interpretation (3)
EXSC 490 Senior Capstone in Exercise Science and Health Promotion and Wellness (4)
EXSC 495 Professional Internship (15)
HLED 192 Sports Safety Training (3)
HLED 372 Applied Nutrition and Physical Fitness (3)
PSYC 310 Psychological Statistics (5)

Sciences Concentration

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)
BIOL 232 Human Anatomy and Physiology (5)
BIOL 233 Human Anatomy and Physiology (5)
BIOL 234 Human Anatomy and Physiology (5)

Communications Concentration

Select one course from the following:
CMST 300 Public Speaking (5)
CMST 305 Message Delivery (4)
CMST 310 Interpersonal Communication (5)
CMST 312 Nonverbal Communication (5)
CMST 331 Interviewing (5)
BUED 302 Business Communication (4)

Total required credits	***58 credits***
Total required sciences concentration credits	***30 credits***
Minimum total required communications concentration credits	***4 - 5 credits***
Minimum total credits for above Major	***92 - 93 credits***

Other courses may be selected with prior approval of the major advisor.

Bachelor of Science (B.S.) in Health

Community Health Education Major (81 - 84 credits)

This degree is designed to prepare students to assume organizational and educational responsibilities in health agencies. Placements are in voluntary health agencies and in official agencies, such as the Spokane Regional Health District and in local hospitals and businesses.

1. Students must have a grade point average of 2.5 in their major.
2. A minimum cumulative grade point average of 2.5 shall be required of all university course work.

Required Courses

HLED 194 Emergency Response (3)
HLED 250 Mind Altering Substances (3)
HLED 256 Medical Terminology (3)
HLED 262 Health and Fitness for Health Enhancement (4)
HLED 370 Personal and Community Health (4)
HLED 372 Applied Nutrition and Physical Fitness (3)
HLED 374 Investigation of Disease and Illness (5)
HLED 375 Degenerative Diseases and Gerontology (5)
HLED 376 Consumer Health (3)
HLED 475 Sex Education in Schools and Community (4)
HLED 480 Health and Wellness Promotions (3)
HLED 481 Health and Wellness Promotions Practicum (2)
HLED 490 Capstone in Health (4)
HLED 495 Internship (12-15)
RCLS 470 Administration, Organization, and Supervision in Recreation and Leisure Services (4)

Supporting Courses

BIOL 132/133 Introduction to Human Anatomy and Physiology I, II (5 each)
CMST XXX Communications class with advisor's approval (4)
PSYC 310 Psychological Statistics (5)

Minimum total required credits	***62 - 65 credits***
Total required supporting credits	***19 credits***
Minimum total credits for above Major	***81 - 84 credits***

Select supporting courses in consultation with departmental advisor.

Health Major with Health Promotion and Wellness Option (74 - 76 credits)

This degree is designed to prepare students to work with companies or agencies with a wellness program that combines physical fitness and a preventative health program.

Degree Requirements:

1. A minimum of 2.25 in each required Health Promotion and Wellness course.
2. A minimum cumulative grade point average of 2.50 shall be necessary in all upper and lower-division required Health Promotion and Wellness courses.
3. A minimum of 2.0 in each of the supporting courses: science, psychology and communications concentrations.
4. A minimum cumulative grade point average of 2.25 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)
Prolab option take one of the following: 2 credits
EXSC 332 Personal Training (Professional Lab) (2)
PHED 333 Group Exercise Instruction (2)
PHED 335 Strength and Conditioning Prolab (2)
EXSC 455 Research and Analysis (2)
EXSC 480 Cardiovascular Rehabilitation (3)
EXSC 490 Senior Capstone in Exercise Science and Health Promotion and Wellness (4)
First Aid option take one of the following: 3 credits
HLED 192 Sports Safety Training (3)
HLED 194 Emergency Response (3)
HLED 370 Personal and Community Health (4)
HLED 372 Applied Nutrition and Physical Fitness (3)

HLED 480 Health and Wellness Promotions (3)
HLED 481 Health and Wellness Promotions Practicum (2)
HLED 494 Field Work in Health Education/or Fitness (4)
HLED/PHED 495 Professional Internship (15)
PSYC 310 Psychological Statistics (5)
RCLS 470 Administration, Organization & Supervision in Recreation and Leisure Services (4)
or HSAD 300 Health Care Organization and Administration (4)
RCLS 480 Budgeting in Recreation and Leisure Services (4)
or ACCT 251 Principles of Financial Accounting (5)
RCLS 300 Publicity and Promotion in Recreation (4)
or MKTG 310 Principles of Marketing (4)

Communications Concentration

Select one course from the following:
CMST 300 Public Speaking (5)
CMST 305 Message Delivery (4)
CMST 310 Interpersonal Communication (5)
CMST 312 Nonverbal Communication (5)
CMST 331 Interviewing (5)
BUED 302 Business Communication (4)
MKTG 313 Integrated Marketing Communications (4)
Recommend completion of a Business Administration Minor (22-25 credits)
or Recreation Management Minor (25 credits)
or a Health Services Administration Minor (24-26 credits)

Minimum total required credits	***70 - 71 credits***
Minimum total required communications concentration credits	***4 - 5 credits***
Minimum total credits for above Major	***74 - 76 credits***

Other elective courses may be selected with prior approval of the major advisor.

Bachelor of Science (B.S.) in Physical Education

Physical Education Major with General Option (56 credits)

The Bachelor of Science in Physical Education degree is designed for students who are interested in pursuing careers in areas related to Physical Education other than teaching in elementary or secondary schools.

Required Courses
HLED 192 Sports Safety Training (3)
PHED 249 Anatomical Kinesiology (4)
PHED 250 Physiological Kinesiology (4)
PHED 251 Motor Control and Learning (4)
PHED 252 Mechanical Kinesiology (4)
PHED 361 History and Philosophy of Physical Education (3)
PHED 370 Sport and Culture (4)
PHED 452 Adapted Physical Education (4)
PHED 454 Measurement and Evaluation in Health and Fitness (3)
PHED 490 Senior Capstone in Health and Fitness (Teaching) (4)
HLED 370 Personal and Community Health (4)
HLED 372 Applied Nutrition and Physical Fitness (3)
RCLS 470 Administration, Organization, and Supervision in Recreation and Leisure Services (4)
Prolab option take four of the following:
PHED 335 Strength and Conditioning Prolab (2)
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)

Total required credits	***48 credits***
Total required prolab option credits	***8 credits***
Total credits for above Major	***56 credits***

Note: *The above major does require the completion of a minor.*

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)
ATTR 339 Athletic Training (4)
Choose two of the following: 7-8 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 required credits	***20 - 21 credits***
Minimum total credits for above Minor	***20 - 21 credits***

Health Education Minor (20 credits)

Required Courses
HLED 250 Mind Altering Substances (3)
HLED 370 Personal and Community Health (4)
HLED 374 Investigation of Disease and Illness (5)
HLED 375 Degenerative Diseases and Gerontology (5)
HLED 480 Health and Wellness Promotions (3)

Total required credits	***20 credits***
Total credits for above Minor	***20 credits***

Recreation Management Minor (24 credits)

Required Courses
RCLS 201 Recreation and Leisure in Modern Society (3)
RCLS 350 Recreation Practicum (5)
RCLS 470 Administration, Organization, and Supervision in Recreation and Leisure Services (4)
Twelve electives in RCLS (12)

Total required credits	***12 credits***
Total RCLS elective credits	***12 credits***
Total credits for above Minor	***24 credits***

Health and Fitness Endorsement (40 credits)

This minor 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 250 Mind Altering Substances (3)
HLED 262 Health and Fitness for Health Enhancement (4)
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)

Total required core credits	***34 credits***
Total required teaching methods credits	***6 credits***
Total credits for above Add-On Endorsement	***40 credits***

GRADUATE PROGRAM

Master of Science in Physical Education

Alan J. Coelho, Program Director
249 Physical Education Classroom Building
(509) 359-2464

Admission Requirements

Applicants for admission to the graduate programs in physical education must follow the admission procedures as outlined elsewhere in this catalog as well as submit three letters of recommendation, and a one to two page personal goals and philosophy statement.

This program provides an opportunity for students to focus on one of several areas of specialization; pedagogy (coaching/teaching education), exercise science, administration/management or sports and exercise psychology. All students are required to take a basic core of courses and then select a specialized primary track. Electives are then designed to accommodate individual needs.

Degree Requirements

Basic Core Requirements and Credit Hours

A. Core
PHED 505 Current Issues Seminar (3)
PHED 507 Administration and Management in Health and Physical Education (3)
PHED 508 Psychological Behavior in Sport (3)
PHED 518 Review of Literature (2)
PHED 519 Statistics in Physical Education (3)
PHED 520 Research Methods in Physical Education (3)

Select a primary track from categories B-E (21 credits) and select one course from another primary track (3 credits)

B. Pedagogy (Coaching/Teaching Education)
PHED 506 Sport in American Culture (3)
PHED 509 Advanced Pedagogy in Physical Education (3)
PHED 510 Advanced Motor Control and Learning (3)
PHED 598 Seminar (3)
PHED 600 Thesis (9)
or PHED 601 Research Report (6)
and Additional Electives (3)

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)
PHED 600 Thesis (9)

D. Administration/Management
PHED 506 Sport in American Culture (3)
PHED 598 Seminar (3)
PHED 600 Thesis (9)
or PHED 601 Research Report (6)
and Additional Electives (3)
PHED 696 College Teaching Internship (6)

E. Sports and Exercise Psychology
PHED 510 Advanced Motor Control and Learning (3)
PHED 511 Applied Sport Psychology (3)
PHED 555 Advanced Physiology of Exercise (3)
PHED 598 Seminar (Motivation in Sport and Exercise) (3)
PHED 600 Thesis (9)
or PHED 601 Research Report (6)
and Additional Electives (3)

F. Approved electives for area specialization (6 credits)

Coaching Education Courses, Seminars, Special Problems, Independent Study, Internship, electives outside department

Total required core credits	***18 credits***
Total required primary track credits	***21 credits***
Total required elective primary track course	***3 credits***
Total required elective credits	***6 credits***
Minimum total credits for above Master's Degree	***48 credits***

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, cryrotherapy, 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

Prerequisites: 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

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
Cardiovascular Rehabilitation (3)
SPRING
Prerequisites: PHED 250 or permission of the instructor.
A course in the cardiovascular system. It will cover normal and pathological anatomy and physiology of the heart, medical management of cardiovascular disease and cardiovascular rehabilitation.

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 and Health Promotion and Wellness (4)
WINTER
[satisfies senior capstone university graduation requirement.]
Prerequisite: Senior standing.
This course is designated as a departmental capstone for Exercise Science and Health Promotion and Wellness 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

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 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
Mind Altering Substances (3)
FALL
A study of the uses and abuses of narcotics, hallucinogenics, barbiturates, amphetamines, and alcohol. A discussion of the psychological and physiological effects and cause of abuse.

HLED 256
Medical Terminology (3)
SPRING
Nature and function of medical language; building of medical words from word roots, prefixes, suffixes, and combining forms. Preparation for those entering medically-related fields of interest.

HLED 262
Health and Fitness for Health Enhancement (4)
FALL/WINTER
Prerequisite: HLED 192 or 194 or permission of the instructor.
This course is designed to provide a broad-based understanding of the wellness concept. Foundations are laid in nutrition, physical fitness, wellness assessment, substance abuse issues, human relationships and diseases and their prevention, health status improvement through assessment, design, and evaluation of lifestyle choices is a key component.

HLED 299
Individual Studies (1-5)

Prerequisites: Prior 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
Personal and Community Health (4)

FALL

Prerequisite: HLED 262 or permission of the instructor.
A study of personal and community health problems including mental health, nutrition and weight control, diseases, physical fitness, aging, death and dying, sex and reproduction. Consideration of health fundamentals important in making health-related decisions.

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 250 or permission of the instructor.
A consideration of the major communicable diseases of humans with emphasis upon prevention and control. An introduction to the modern scientific approach to control of communicable diseases and biostatistics.

HLED 375
Degenerative Diseases and Gerontology (5)

WINTER

Prerequisites: BIOL 132/133, or prior permission of the instructor.
A consideration of the major problems of degenerative and chronic diseases. An analysis of the physical and physiological deterioration of the body and mind. An introduction to the study of gerontology.

HLED 376
Consumer Health (3)

SPRING
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, 3 credit hours.

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 262 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 and Wellness Promotions (3)

WINTER

Prerequisite: HLED 372 or senior class standing, or permission of the instructor.
This course provides the student with the knowledge of how to organize and implement health and wellness programs. The student will receive certification in various health and wellness programs such as the lower back and AIDS programs by the American Red Cross and the Smoking Cessation program by the American Cancer Society.

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 490
Senior Capstone in 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 Education and School Health Education within the department of Physical Education, Health and Recreation. An end-of-program assessment will be completed for each major. 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.

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 prior permission of the instructor and the department chair.

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, badminton, basketball, better back program, bicycling, 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)
WINTER
Prerequisite: Completion of 2 GECR Natural Science courses or permission of the instructor.
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
Prerequisites: PHED 170 or completion of 2 GECR Natural Science courses or permission of the instructor.
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
Prerequisite: HLED 192 or 194 or permission of the instructor.
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)
SPRING
Prerequisites: Completion of 2 GECR Natural Science courses or permission of the instructor.
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
Prerequisites: PHED 170 or completion of 2 GECR Natural Science courses or permission of the instructor.
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 GECR 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)
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)
SPRING
Coaching techniques and strategies in track.

PHED 285
Coaching Baseball (3)
WINTER
Coaching techniques and strategies in baseball.

PHED 296
Experimental Course (1-5)
FALL/WINTER/SPRING
Prerequisites: Prior 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 knowledges 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: EDUC 201 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: EDUC 201 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: EDUC 201 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: EDUC 201 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: EDUC 201 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: EDUC 201 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 262 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
Prerequisite: EDUC 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/WINTER/SPRING
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 1 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)
SPRING
[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 prior 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 prior permission of the instructor and the department chair.
Study of selected problems in the field of physical education.

PHED 505
Current Issues Seminar (3)
A study of the different schools of thought and practice in the professional field of physical education and their influence on physical education programs.

PHED 506
Sport in American Culture (3)
Prerequisites: A general sociology course and PHED 250 or permission of the instructor.
An examination of the nature and place of sport in American life and an analysis of the interrelationship between sport and institutions, social systems and culture.

PHED 507
Administration and Management in Health and Physical Education (3)
Prerequisites: PHED 361, 450.
Planning, financing, designing, managing, and administering 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 status.
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)
Prerequisite: PHED 251.
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 518
Review of Literature (3)
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)
Prerequisite: PHED 518 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 539
Special Topics in Physical Education (1-3)
Study of selected problems in the field of physical education.

PHED 550
Advanced Biomechanics (3)
Prerequisite: PHED 252 or an equivalent undergraduate kinesiology course.
An examination of the mechanical components of human movement with emphasis placed on descriptive and causal analysis of human motion. Analysis of movement problems will be based upon the principles of Newtonian mechanics.

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)
Prerequisites: PHED 249 and 250.
Physiological effects of muscular exercise, physical conditioning, and training. Significance of these effects on health and performance in an activity program.

PHED 556
Advanced Cardiovascular Physiology (3)
Prerequisite: EXSC 480 or equivalent.
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 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.

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
Prerequisite: RCLS 201 or prior permission of the instructor.
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
Eurhythmical 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)
FALL/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 prior permission of the instructor.
Introduction to winter camping and modes of oversnow 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-ODD YEARS
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 Programing (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 prior 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 prior 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 prior 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-EVEN 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
Prerequisites: RCLS 201, 220 or permission of the instructor.
Presents steps to programming within the role and structure of public and private recreation services. Special focus 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/SPRING
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 First Responder (4)
Prerequisite: HLED 194 or prior permission of the instructor.
Designed to teach specific care and treatment of injuries and illnesses common to a mountaineering or wilderness environment. Special emphasis 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
Prerequisite: RCLS 201 and 220 and junior standing or prior 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 programing 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 prior 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)
FALL/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)
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)
WINTER
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)
SPRING
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)
FALL
Prerequisite: 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)
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 indepth.

RCLS 455
Resort and Commercial Recreation Management (3)
SPRING
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)
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 prior 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
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 470 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.]
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.

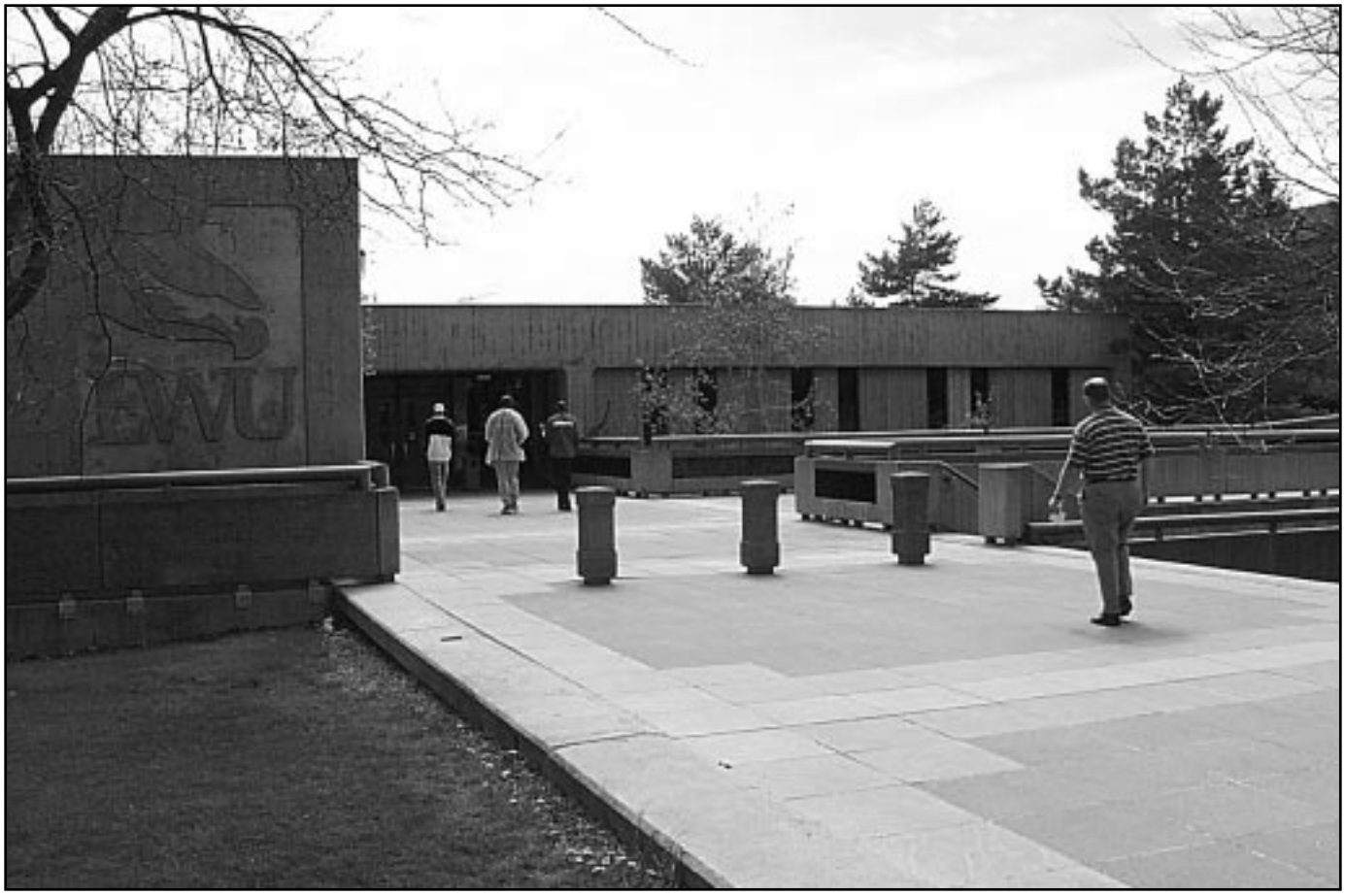
RCLS 495
Recreation Management Professional Internship (15)
SUMMER
Prerequisites: Compliance with RCLS department's internship requirements.
Full-time working experience in a recreation and leisure service setting in line with your professional aspirations. Actual involvement in recreation and program 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, Math and Technology
Byron Russell, Chair
270 Health Science Building
310 N. Riverpoint Blvd.
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D.P.T.
Faculty: N. Erikson, W. Erikson, M. Gersh, T. LaPier, 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 June 30 of the year of application.
3. Complete the Graduate Record Examination (GRE) by February 1 of the year of application.
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 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 Statistics
   - 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 coursework must be completed by June 30 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.*

5. Complete a baccalaureate degree with a minimum overall cumulative grade point average (GPA) of 3.00, and a minimum GPA in prerequisite courses of 3.00, at the time of application and admission.
6. 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.
7. 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
8. 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 627 Neuromuscular Systems II (3)
PHTH 635 Cardiopulmonary Systems (4)
PHTH 641 Multiple Systems (2)
PHTH 662 Clinical Education Seminar V (1)
PHTH 680 Geriatrics (2)
Total credit hours ***17 credits***

Spring Quarter
PHTH 618 Musculoskeletal Systems III (4)
PHTH 628 Neuromuscular Systems III (4)
PHTH 646 Integumentary Systems (3)
PHTH 663 Clinical Education Seminar VI (1)
PHTH 665 Physical Therapy Administration (3)
Total credit hours ***15 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***

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 D.P.T. 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)

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 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 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 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 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 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 D.P.T. 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: Prior 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 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 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 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, Math and Technology
Achin Sen, Chair
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(509) 359-7472

B.A., B.A.E., B.S.
Minors
General Science Endorsement
Faculty: R. Gibbs, 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 (B.A.) 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.

Total required credits	***20 credits***
Total 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 (B.A.E.) for Physics

Physics/Secondary Major (70 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 Methods for Secondary Schools (3)
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)

Electives

Choose from any 300/400-level Physics courses, except PHYS 421 or 497.

Total required credits	***52 credits***
Total elective credits	***18 credits***
Total credits for above Major	***70 credits***

Professional Educational Requirements/ Secondary Education: 50-52 credits

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

Minimum total credits for above Major & Professional Educational	***120 - 122 credits***

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 (B.S.) in Physics

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.

Total required credits ***97 credits***
Total 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 required credits ***15 credits***
Total credits for above Minor ***15 credits***

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 required credits ***24 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)

General Science/Add-On Endorsement (60 credits)

To improve the marketability of the science teacher, students may wish to complete this option in addition to their B.A.E. 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)

Total required credits ***60 credits***
Total credits for above Add-On Endorsement ***60 credits***

Courses

Terms Offered*: If no terms are indicated, check with department or quarterly Course Announcement.*

PHYS 100
Physical Science I (5)
FALL/WINTER/SPRING
[satisfies the GECR 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 GECR 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)
FALL/WINTER/SPRING
[satisfies the GECR 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(131,133)/WINTER(131,132)/SPRING(132,133)
[the completion of phys 131, 161 satisfies the gecr 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 gecr 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 gecr 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 gecr 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/WINTER
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/SPRING
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)
FALL(163)/SPRING(163, 164)
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)
FALL(321)-ALTERNATE YEARS/WINTER(322)-ALTERNATE YEARS
Prerequisite: Junior standing or prior 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)
FALL(361)-ALTERNATE YEARS/WINTER(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 Methods for Secondary Schools (3)
Prerequisite: Successful completion or concurrent enrollment in EDUC 340/341.
For physics majors planning to teach junior or senior high school. Includes 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)
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)
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: Prior 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-Dentistry and Pre-Medicine

College of Science, Math and Technology
Sidney Kasuga, Charles Herr, Program Advisors
Department of Biology
289 Hall of Sciences
(509) 359-2868, (509) 359-2038

Bartlett Whelton, Program Advisor
Department of Chemistry and Biochemistry
204A Hall of Sciences
(509) 359-6519

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, Math and Technology
Michael A. Brzoska, Program Advisor
Department of Engineering Technology and Multimedia Design
200B Cheney Hall
(509) 359-7026

PROGRAM DESCRIPTION
(See Engineering Technology and Multimedia Design)

Pre-Law

College of Social and Behavioral Sciences
James Headley, Advisor
212 L Patterson Hall
(509) 359-2781

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 grade point average, 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.

See Government section of this catalog.

Pre-Pharmacy

College of Science, Math and Technology
Bartlett D. Whelton, Program Advisor
Department of Chemistry and Biochemistry
204A Hall of Sciences
(509) 359-6519

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 coursework 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 (Pharm.D.) requiring six years. The Pharm.D. 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 Pharm.D. degree is divided in two parts. The first, termed the preprofessional program (two years) provides coursework 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 coursework 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 preprofessional portion of their pharmacy curriculum. At this time matriculation in either 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 institution as well, however appropriate catalogs from these institutions should be consulted for any variances in requirements. During the two year preprofessional 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 355, 480, 481, 482, 483), pharmacology (CHEM 350, 357, 460), 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 Pharm.D. 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 preprofessional 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 preprofessional 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 Prepharmacy 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 (3)
CHEM 373 Advanced Chemical Synthesis and Techniques (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 225 Programming Principles I (5)
or CSCD 230 Scientific Programming in Fortran (5)
or CSCD 255 Programming for Engineers (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 (5)
BIOL 233 Human Anatomy and Physiology (5)
BIOL 234 Human Anatomy and Physiology (5)
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 355 Biochemistry of Alcoholism (2)
CHEM 357 Neuropharmacology (2)
CHEM 460 Chemical Pharmacology (5)
CHEM 480 Biochemistry (5)
CHEM 481 Intermediary Metabolism (5)
CHEM 483 Biochemistry Lab (2)

Pre-Veterinary Medicine

College of Science, Math and Technology
Bruce Lang, Biology, Program Advisor
275 Hall of Sciences
(509) 359-7049

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.

PSYCHOLOGY

College of Social and Behavioral Sciences
Mahlon B. Dalley, Chair
151 Martin Hall
(509) 359-2478
psychology@mail.ewu.edu

B.A.
Minors
M.S.
Certificate
Faculty: P. Barnes, P. Buerger, M. Dalley, A. El-Alayli, G. Hicks, K. Islam-Zwart, R. Kolts, T. Martin, 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 coursework 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 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.

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

Bachelor of Arts (B.A.) in Psychology

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)

Common Core 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 groups of courses as follows:

Cluster A: 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 381 Social Psychology (5)
PSYC 415 Sensation and Perception (5)
PSYC 420 Biological Basis of Behavior (5)

Cluster B: 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)

Cluster C: 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 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.*

Total required prerequisite credits	***5 credits***
Total required common core credits	***15 credits***
Total required focus experience credits	***3 credits***
Total required cluster A credits	***20 credits***
Minimum total required cluster B credits	***8 - 10 credits***
Minimum total required cluster C credits	***4 - 5 credits***
Minimum total psychology elective credits (see note)	***15 - 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 required credits	***15 credits***
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 required credits	***15 credits***
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 preparing to enter doctoral-level programs in psychology. In addition to attaining a comprehensive mastery of the discipline, students specialize in applied areas. Two areas of specialization are offered by the Department of Psychology: Clinical Psychology, General/Experimental Psychology, and a Master of Science in School Psychology with the Counseling, Educational, and Developmental Psychology Department.

Admission Requirements/Preparation

All application materials are due March 1. Students ordinarily begin their graduate studies fall quarter. Admission to begin winter or spring is discouraged.

1. Must have a 3.00 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 & 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, clinical psychology and general/experimental psychology applicants 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 - Clinical Emphasis

Pamela Barnes, Program Director
151H Martin Hall
(509) 359-2445
Pamela.Barnes@mail.ewu.edu

The clinical psychology emphasis is designed for students who are interested in becoming a Master's-level mental health provider in private practice, mental health centers, hospitals, or social service agencies, or pursuing pre-doctoral studies preparing for application to doctoral programs in clinical or counseling psychology.

All students in the clinical emphasis are required to take the following set of course requirements:

*PSYC 503 Proseminar: Scientific Methods (3)
PSYC 504 Proseminar: Learning and Behavior Therapy (3)
PSYC 508 Professional Issues (1)
*PSYC 522 Advanced Statistics (5)
*PSYC 534 Human Neuropsychology (4)
*PSYC 537 Advanced Psychopathology (3)
*PSYC 538 Research Topics (2) (total)
PSYC 551 Foundation of Psychotherapy (4)
PSYC 554 Cognitive Assessment (4)
PSYC 556 Personality and Behavioral Assessment (4)
PSYC 600 Thesis (minimum) (6)
or PSYC 601 Research Report (6)
PSYC 694 Clinical Practicum (6)
Focus requirements

Total required credits	***45 credits***
Total focus requirement credits	***10 credits***
Minimum total credits for above Master's Degree	***55 credits***

The student 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). 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 be for 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)

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 of the practicum experience. PSYC 555 Clinical Practice in Individual Intelligence Testing, PSYC 557 Clinical Practice in Personality and Behavioral Assessment and 3 credits of PSYC 694 Clinical Practicum may be omitted from a predoctoral program with suitable substitutions. These changes are to be arranged with advisors, documented, and approved by the Clinical Coordinating Committee before the beginning of the second year. The arrangements for research experience must be arranged with individual instructors following the procedures used by students who elect the General/Experimental emphasis (see below).

Master of Science in Psychology - General/Experimental Emphasis

Leonard Stern, Program Director
153A Martin Hall
(509) 359-6160

The emphasis 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 are to be designed with an advisor and include the following course requirements.

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 537 Advanced Psychopathology (3)
PSYC 538 Research Topics (2) (total)
PSYC 600 Thesis (minimum) (6)
or PSYC 601 Research Report (minimum) (6)

Elective Courses
Total required credits ***26 credits***
Total elective credits ***29 credits***
Minimum total credits for Master's Degree ***55 credits***

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

Students particularly interested in acquiring college-level instruction skills should consider including the program of study listed under college instruction found in this catalog.

Master of Science - School Psychology

(Joint program between the Departments of Psychology and Counseling, Educational, and Developmental Psychology)

Mahlon Dalley, Program Director
151A Martin Hall
(509) 359-6731

This program prepares students for practice as a school psychologist. Coursework, 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

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 coursework 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 coursework 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.

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 GECR 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. Standarized 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: Prior 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: Prior 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 and CSBS 320.
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-tests, 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 2-3 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: Prior 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: Prior 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 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: Prior 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: Prior 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 M.S. program.
This course introduces incoming graduate students in the Psychology Department's M.S. 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 prior 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 prior 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 prior 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 prior 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 prior 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, perceptional, 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 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: Prior 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: Prior 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
Clinical Practicum (1-6)

Graded Pass/No Credit.

Prerequisite: Prior permission of the instructor.
Supervised experience of a clinical or counseling nature in service areas.

PSYC 695
Internship in School Psychology (1-4)

May be graded Pass/No Credit.

Prerequisite: Prior 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: Prior 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: Prior 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

M.P.A.

Faculty: S. Christensen, B. Grinder, F. Hurand, W. Kelley, S. Jordan, L. Luton, T. Novak, L. Stephens, D. Winchell, R. Zinke, G. Zovanyi

Adjunct Faculty: F. Boxer

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 (M.B.A./M.P.A., M.S.W./M.P.A., M.U.R.P./M.P.A.), 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 M.P.A. 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 3.00 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 M.P.A. 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: U.S. 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 M.P.A. 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 M.P.A. 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 a topic suitable for research. If the thesis option is taken, the chair will work with the student on development of the proposal and on the early drafts of the thesis. 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.

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 be evenly divided between 1) presentation and defense of the student's research paper, and 2) answering questions based upon coursework taken from the Graduate Program in Public Administration. If the thesis option is chosen, a different allocation of time may be arranged by the committee.

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

Total required core credits	***40 credits***
Total elective/specialization credits	***20 credits***
Total credits for Master's Degree	***60 credits***

1. Core Required Courses

PADM 500 Personal Assessment (2)
PADM 501 Research Tools of the Administrator (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 Sector Management (4)
PADM 511 Public Sector Organization Theory (4)
PADM 513 Public Planning and Budgeting (4)
PADM 515 Administrative Law and Regulation (4)
PADM 517 Professional Employment (2)
PADM 601 Research Project (4)

2. Elective Options

There are 20 credits in elective options in the M.P.A. program. Students may either take a varied mixture of elective courses, or they may choose to concentrate their elective options in certain subject areas. Concentrating options in one area may make it possible for the student to develop in some depth a subject area that fits his or her past experience, interests, and/or professional needs. Concentrations normally available within the program include public personnel, public finance, local government administration, and health services administration.

Concentrations currently offered include:

Public Finance

PADM 521 Public Finance (4)
PADM 523 Public Financial Management (4)
PADM 525 Public Sector Grants-Writing and Administration (4)

Local Government Administration

PADM 525 Public Sector Grants-Writing and Administration (4)
PADM 531 Intergovernmental Relations (4)
PADM 533 City Government Administration (4)

Public Personnel

PADM 541 Public Personnel Management (4)
PADM 543 Labor Relations and Collective Bargaining in the Public Sector (4)
PADM 571 The Political Executive (4)

Health Services Administration

HSAD 500 U.S. 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)

Other courses offered by the PADM that may be taken as electives include:

PADM 539 Special Topics (1-5)
PADM 551 Comparative Public Administration (4)
PADM 596 Experimental Course (1-4)
PADM 598 Seminars 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)

*The thesis may be substituted for the research project (PADM 601).

In addition, when cross-listed, or with advance permission of a student's advisor, courses from other programs such as Urban and Regional Planning, Social Work, Business Administration, Computer Science, Government, International Affairs, Applied Psychology, Sociology, Communication, Health Services Administration, etc. may be utilized as electives.

Courses in Health Services Administration that are designed as electives for the M.P.A. include:

HSAD 515 Health Economics (4)
HSAD 530 Seminar on Business and Health (4)
HSAD 570 Comparative Health Systems (4)
HSAD 590 Administration of American Indian Health Programs (4)

HSAD 595 Internship (1-5)
HSAD 599 Directed Readings (1-5)

4. Research Project (Required) (4 credits)

A research project (PADM 601) is a requirement for all students obtaining an M.P.A. degree. It should be taken after completion of PADM 501 and near the completion of all requirements for the degree.

5. Internships (2-8 credits)

Although internships are not a required part of the M.P.A. curriculum, they are strongly recommended for all M.P.A. 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 coursework 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	***36 credits***
Total elective credits	***20 credits***
Total research project credits	***4 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 M.P.A. 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 M.P.A. program.

Dual Degree Programs

M.P.A./M.B.A.

A dual-degree program with the Eastern Washington University master of business administration is available through which one can obtain both an M.P.A. degree and an M.B.A. 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 M.P.A./M.B.A. by qualifying for admission to the other program. Students complete 73 hours of coursework 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 M.B.A. director at EWU, Phase One Classroom Building, 668 N. Riverpoint Blvd., #325, 358-2270 or 358-2248. For information on the M.B.A. program see the Business Administration section of this catalog.

M.P.A./M.S.W.

A dual-degree program with the Eastern Washington University School of Social Work is available through which one can obtain both an M.P.A. degree and an M.S.W. 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 M.P.A./M.S.W. by qualifying for admission to the other program. The number of credits needed to graduate with the M.P.A./M.S.W. dual degree is at least 118 for students in the two-year M.S.W. program and 83 credits for students in the advanced standing M.S.W. program. The dual-degree program can be completed in eight to nine full-time quarters by students in the two-year M.S.W. program and in six quarters by students in the advanced standing program. Interested parties should contact the PADM director and M.S.W. director in 120 Showalter Hall, Cheney, Washington 99004-2431, (509) 359-6485. For information on the M.S.W. program see the School of Social Work section of this catalog.

M.P.A./M.U.R.P.

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 M.P.A. degree and an M.U.R.P. 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 M.P.A./M.U.R.P. 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 M.P.A./M.U.R.P. 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 M.U.R.P. 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.

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
Research Tools of the Administrator (4)
Assists the student to develop skills in locating, obtaining and assembling information pertinent to public sector decision-making. The course explores various techniques and forms for gathering data, sources of statistics and other records of past actions by government units, and methods developed for anticipating alternatives.

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 Sector Management (4)
A survey of human resources management under the constraints imposed by the public sector. Emphasis is placed on developing a theory of state agentry, the responsibilities of such agents, and the examination of current management literature in terms of this theory.

PADM 511
Public Sector Organization Theory (4)
A review of contemporary organization theory 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 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 541
Public Personnel Management (4)
A discussion of the development of the civil service system, public sector labor relations, affirmative action/equal employment opportunity and relationships of these factors to current techniques of personnel management and motivation.

PADM 543
Labor Relations and Collective Bargaining in the Public Sector (4)
Provides discussion of the development of public unionism and the unique factors affecting collective bargaining with public employees.

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 571
The Political Executive (4)
Examines the role, responsibilities and powers of the elected and politically appointed executive in governments and agencies in the U.S.

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 M.P.A. Degree.) A seminar designed to assist students completing research requirements in connection with the M.P.A. 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 (1-4)
Prerequisites: PADM 501, plus instructor's approval.
An advanced research course designed for students to demonstrate an ability to conduct in-depth research on a specific topic and to write a paper clearly presenting the results.

PADM 603
Internships in Public Administration (2-8)
Graded Pass/No Credit. May be repeated.
Prerequisite: Permission required.
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
100D Patterson Hall
(509) 359-7996

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 total required credits	***21 - 25 credits***
Minimum credits for above Minor	***21 - 25 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.

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 behavior 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 controversiality 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

B.A.E.
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 (B.A.E.) for Social Studies

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 U.S. History, 1607-1877 (5)
HIST 304 U.S. 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 required credits ***60 credits***
Total credits for above Major ***60 credits***

Professional Education Requirements/ Elementary Education: 111-115 credits

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

Total credits for above Major & Professional Education ***171 - 175 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)
or GEOG 316 Environmental Conservation (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 U.S. History, 1607-1877 (5)
HIST 304 U.S. 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-U.S. History elective (4)
One upper division U.S. History elective (4)

Total required credits ***76 credits***
Total credits for above Major ***76 credits***

Professional Education Requirements/ Secondary Education: 50-52 credits

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

Total credits for above Major & Professional Education ***126 - 128 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 preapproved 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)
or GEOG 316 Environmental Conservation (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 U.S. History, 1607-1877 (5)
HIST 304 U.S. 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 required credits ***60 credits***
Total credits for above Add-On Endorsement ***60 credits***

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/SPRING
Prerequisite: EDUC 303 or prior 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
[satisfies senior capstone university graduation requirement.]
Prerequisite: 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: Prior permission of the instructor and the department chair.

SOCIAL WORK

School of Social Work
Administration: Michael Frumkin, Dean
120 Showalter 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, Field Program Director
(509) 359-6477

Michelle Tauscher, Field Program Coordinator
(509) 359-2282

Patricia Valdes, Coordinator, Graduate Student Services
(509) 359-6772

Diane Somerday, Coordinator, Undergraduate Student Services
(509) 359-6482

Sue Thompson, Student Services Coordinator
(509) 359-6485

B.A.
M.S.W.
Faculty: S. Altshuler, L. Avery, L. Brown, E. Byrnes, D. Capetillo, C. Clark, M. Clute, D. Davis, K. Fordham, M. Frumkin, P. Gregory, J. Hines-Steve, C. Hudnall, B. Horner, C. Jakabowsky, G. Jansen, M. Lavitt, R. Mackelprang, M. Mattila, P. McCollom, L. Morris, L. Parise, M. Peck, R. Phillips, J. Pippard, J. Renner, R. Rich, D. Richey-Bloom, M. Ryan, K. Shields, R. Stirling, J. Stucker

UNDERGRADUATE PROGRAM

Mission of the School of Social Work: The School of Social Work 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 disadvantage 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 at Eastern Washington University is accredited at the baccalaureate and master's levels by the Council on Social Work Education.

B.A.S.W. 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 B.A.S.W. 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 B.A.S.W. 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 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 359-6482. Applications may be requested by calling 509-354-6444 or on our web page http://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 GECRs (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 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 HBSE I (4)
- SOWK 460 Methods I Social Work Engagement and Assessment (4)

WINTER Quarter
- SOWK 379 HBSE 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 (B.A.) in Social Work

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 required credits ***73 credits***
Total credits for above Major ***73 credits***

GRADUATE PROGRAMS

Melissa Lavitt, Associate Dean and Graduate Program Director

The Master of Social Work Program

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 M.S.W. 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.

Ways to Study for the M.S.W.

The School provides two ways to study for the M.S.W.: 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, Wash.

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 B.S.W. graduates to complete their M.S.W. 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-B.S.W. social work paid or volunteer experience.

Admission to the M.S.W. Program

Admission Requirements

Admission to the M.S.W. 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 B.S.W. degree (or B.A. 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 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 M.S.W. Program is a dual process: Applicants must be admitted to the School of Social Work and to Graduate Studies at EWU. Graduate admission forms are included in the School of Social Work admissions packet and are also available online at grad.ewu.edu/prospective_students/admission.dtml.

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 http://grad.ewu.edu 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 99004-2441.

To the School of Social Work 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 M.S.W. Program, note that applications must include specific references and additional requirements.

Mail this information to Social Work Graduate Admissions, Eastern Washington University, 120 Showalter 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 auto biography 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 M.S.W. 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 M.S.W. 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 M.S.W. 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 M.S.W. 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 B.S.W. 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 M.S.W. career goals?
- List your experience and hours, (a minimum of 12 months, pre or post B.S.W., 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) B.S.W. 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.ed.gov.

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 99004-2441. 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 M.S.W. 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 M.S.W. students based solely on financial need.

Graduate Part Time Employment: Students interested in part time employment through the School of Social Work 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 M.S.W. 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 first quarter of the two-year, full-time M.S.W. program is focused on providing a foundation understanding of social work practice, social welfare policy, and theories of human behavior in the social environment. First quarter 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.

The second quarter includes four courses: 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 with Groups continue the development of practice knowledge and skills.

The third quarter 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.

The M.S.W. program requires a total of 968 hours of field practicum and 80 hours of integrative seminar sequenced over four quarters. 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 Inland Northwest 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 second year of the program prepare students for collaborative advanced generalist social work practice with populations at-risk. In the first quarter of the second year, students choose one of three advanced practice selectives: Family-Centered Practice with Populations at-Risk, Brief Interventions, and Practice with Populations with Persistent and Pervasive Service Needs. Students also choose one of three community and organizational practice selectives: Organizational Leadership, Management and Change; Supervision; and Community Skills for Prevention, Advocacy and Resource Development. During the second quarter, students complete a research project in the course Research Methods for Data Analysis and Presentation. In the third quarter, students enroll in the Proseminar in Social Welfare Policies and Programs which examines current policy and program issues which impact populations at-risk. Electives are offered during each quarter of the second year. In the third quarter, students complete the electives requirement of 16 credits. Students may take additional selective course options which can be used to meet part of the electives requirement. During all three quarters of the second year, students are enrolled in field practicum and the integrative seminar.

The plan for delivering the curriculum is shown below.

Schedule of Courses and Credit Hours for the Two-Year M.S.W. Program

First Year

Fall Quarter

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)

Winter Quarter

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)

Spring Quarter

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)
Electives (1-3)

Second Year

Fall Quarter

Advanced Practice Selectives:

One of the three courses below is required, and additional selectives can be taken toward the 16-credit elective requirement for the M.S.W.

SOWK 563 Brief Interventions (3)
SOWK 565 Family-Centered Practice with Populations at-Risk (3)
SOWK 567 Practice with Persons with Persistent and Pervasive Service Needs (3)

Community and Organizational Practice Selectives:

One of the three courses below is required, and additional selectives can be taken toward the 16-credit elective requirement for the M.S.W.

SOWK 551 Community Skills for Prevention, Advocacy and Resource Development (3)
SOWK 552 Organizational Leadership, Management and Change (3)
SOWK 566 Supervision (3)

Required Courses: 5 credits

SOWK 582 Integrative Seminar II (1)
SOWK 695 Practicum (4)

Electives: 1-5 credits

Winter Quarter

Required Courses: 9 credits

SOWK 526 Research Methods for Data Analysis and Presentation (4)
SOWK 583 Integrative Seminar III (1)
SOWK 695 Practicum (4)

Electives: 1-7 credits

Spring Quarter

Required Courses: 9 credits

SOWK 568 Proseminars in Social Welfare Policies and Programs (4)
SOWK 584 Integrative Seminar IV (1)
SOWK 695 Practicum (4)

Electives: 1-7 credits

Total required credits	***68 credits***
Minimum selective credits	***6 credits***
Minimum elective credits	***16 credits***
Minimum total required Program credits	***90 credits***

M.S.W. 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 3.00 cumulative grade point average.

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 CSWE accredited B.S.W. 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 B.S.W. course work.
2. One year (or 2000 hours) of pre or post-B.S.W. 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 B.S.W. faculty members.

A total of 51 credits is required for graduation. First year (Foundation) course requirements are waived because students have received equivalent content in their B.S.W. programs. A 6 credit summer Professional Preparation Seminar is required to prepare students for their Advanced year experience. The distribution of credits is as follows:

1. Professional Preparation Seminar (6)
2. Advanced Year Required Classes (14)

- SOWK 526 Research Methods for Data Analysis and Presentation
- Advanced Community and Organizational Practice Selectives
- Advanced Social Work Practice Selectives
- SOWK 568 Proseminars in Social Welfare Policies and Programs

3. Elective Courses (16)
4. Field Practicum (15)

- SOWK 695 Advanced Field Practicum
- SOWK 582, 583, 584 Integrative Seminars II, III, IV

Additional Related Information

Certification for School Social Work

Those students who are considering a professional career in school social work should be aware that employment in this field in the state of Washington requires Initial Level Certification. An applicant for the Initial Level School Social Work Certification must have an M.S.W. degree which includes a graduate practicum in a school setting. The School of Social Work offers such practica through School District 81, (Spokane), and other schools within the area. For further information contact faculty member Pat McCollom.

M.S.W./M.P.A. Cooperative Degree Program

The School of Social Work has a cooperative dual degree program with the Graduate Program in Public Administration through which one can obtain both an M.P.A. degree and a M.S.W. degree. In this program of study, required courses for one degree program serve as part of the elective courses in the second program, thereby reducing the number of credits required for each of the degrees. For information on the M.P.A. program see the Public Administration section of this catalog. Persons interested in the M.S.W./ M.P.A. program should contact the Graduate Student Services Coordinator at (509) 359-6772 or the PADM Director at (509) 358-2248.

Certificate in Public Administration for Social Work Students: 12 credits

Students who are admitted to the M.S.W. program may incorporate a three course certificate program in Public Administration. Each of the courses are subject to all general requirements for graduate studies and all three must be listed on the application for M.S.W. degree candidacy, with a notation that the student is seeking the certificate. Only those students who are fully admitted to the M.S.W. program and have the certificate requirements listed in an approved candidacy, and who successfully complete all other requirements for the M.S.W. will receive a transcript noting both the degree and the certificate program.

PADM 513 Public Planning and Budgeting (4)
PADM 525 Public Sector Grant Writing and Administration (4)
PADM 541 Public Personnel Management (4)

Center for Studies in Aging

The Center for Studies in Aging is administratively a part of the School. Its current director is a faculty member of the School who works with an interdisciplinary faculty committee which represents many University departments including Health Education, Recreation, Sociology, Biology, Social Work, Economics, Psychology, Education, Nursing, Business, Counseling, Educational, and Developmental Psychology, and Speech Pathology and Audiology.

The major thrust of activity at present is directed toward increasing the number of aging-related courses by departments of the University. With this accomplished, students interested in careers in the field of aging, either as practitioners or researchers, will have opportunities to expand their knowledge of aging along with their chosen discipline. For further information, contact:

Maria Hernandez-Peck, Director
Center for Studies in Aging
Eastern Washington University
120 Showalter Hall
Cheney, WA 99004-2441

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 committees and other University and community committees and organizations.

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 301 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: Prior 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 prior 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 prior 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 prior 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 prior 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 Team (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; GPA of 2.7 in all social work courses; no remaining incompletes in social work courses.
Every workday except Friday the student performs social work tasks 8 a.m. to 5 p.m. The tasks performed vary according to the student's learning goals and the agency's assessment of the student's competency.

SOWK 483
Block Practicum II (7)
SPRING
Prerequisites: Social Work major; GPA of 2.7 in all social work courses; no remaining incompletes in social work courses.
Every workday except Friday the student performs social work tasks 8 a.m. to 5 p.m. The tasks performed vary according to the student's learning goals and the agency's assessment of the student's competency.

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 (3)
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 fundraising, and facilitating the process of community change.

SOWK 552
Organizational Leadership, Management and Change (3)
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 in 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 (3)
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 (3)
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 (3)
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 (3)

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 cosmis/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 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 coursework 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

B.A.
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 (B.A.) in Sociology

Sociology Major (75 credits)

Within the bachelor of arts degree and through a thematic approach to the discipline, the Department of Sociology offers a program 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 concentration within sociology and thematically related disciplines. The department offers ten thematic areas for sociology majors seeking the Bachelor of Arts degree:

- *Community Studies*
- *Contemporary World Systems*
- *Continuity and Change Through the Life Cycle*
- *Deviance and Social Control (Crime and Corrections)*
- *Health and Society (Medical Sociology)*
- *Law and Society (Sociology of Law)*
- *People, Resources and the Environment*
- *Social Research*
- *Social Relations in Business and Industry*
- *Society and Knowledge*

The Department of Sociology believes that a university must educate broadly to enrich both career and life. Accordingly, in consultation with the student, the Department draws from programs outside of Sociology to support the major. Acceptable courses of study, given the thematic area selected, include: counseling, educational and developmental psychology, anthropology, environmental studies, fine arts, geography, geology, government, history, mathematics, modern languages, philosophy, psychology, recreation and leisure services, social work, and urban and regional planning. Other supporting courses may be approved to meet exceptional needs.

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

Required Courses

SOCI 101 Introduction to Sociology (5)
or SOCI 361 General Sociology (5)
SOCI 331 Classical Sociological Theory (5)
or SOCI 465 Contemporary Sociological Theory (5)
SOCI 356 Introduction to Social Statistics (5)
SOCI 357 A Methodology for Social Research (5)

Electives

Select other Sociology courses in consultation with departmental advisor.

Supporting courses outside Department

In consultation with departmental advisor, select upper division courses outside of Sociology.

Total required credits	***20 credits***
Total elective credits	***35 credits***
Total required supporting credits	***20 credits***
Total credits for above Major	***75 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

Total required credits	***5 credits***
Total 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.*

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 GECR 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: Prior 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/ethnocism 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: Prior 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 tradeoffs 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 (4)
Prerequisites: SOCI 101 and 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
Power Relations and Human Development (5)
Prerequisite: SOCI 101.
A sociological analysis of the collective response to social forces at the global and societal levels. Topics include institutional crisis, social movements, and human development.

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 490
Senior Capstone: Advanced Research Applications (5)
[satisfies senior capstone university graduation requirement.]
Prerequisites: SOCI 356 and CPLA 100 together with CPLA 101 or CPLA 120, or passage of Computer Literacy II Test.
This course is designed to move from a basic understanding of statistics to the application of statistical software in social science research. Taught in a computer lab environment, this course focuses on the use of computer programs in quantitative research. This includes formulating hypotheses, creating and accessing data sets, analyzing data using SPSS software, and presenting research findings in appropriate formats.

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 TECHNOLOGY and MULTIMEDIA DESIGN.

THEATRE

College of Arts and Letters
209 University Theatre
(509) 359-2459

B.A.
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 Department 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 Department 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 3.00 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 (B.A.) in Theatre

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)

Total required credits	***66 credits***
Total elective credits	***15 credits***
Total credits for above Major	***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 required credits ***28 credits***
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 total required credits ***44 - 48 credits***
Minimum credits for above Minor ***44 - 48 credits***

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 prior 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 coming 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: Prior 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: Prior 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: Prior 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: Prior 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 prior 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: Prior 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: Prior 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: Prior 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: Prior 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: Prior 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

B.A.
Minor
M.U.R.P.
Faculty: F. Hurand, W. Kelley, D. Winchell, G. Zovanyi

UNDERGRADUATE PROGRAMS

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 insures 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 Shaedigg Scholarship award ($1,000).

The Washington Chapter APA Scholarship for an undergraduate or graduate student ($2,500).

Undergraduate Scholarship Award: Awarded to the graduating senior whose academic achievement has been out-standing.

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 are also 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.

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 GECR 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 GECR courses from the following areas: physical and human geography, geology, biology, mathematics, business, 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 (B.A.) in Urban and Regional Planning

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)

Total required credits	***72 credits***
Total 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 required credits	***15 credits***
Total credits for above Minor	***15 credits***

GRADUATE PROGRAM

Master of Urban and Regional Planning

The M.U.R.P. 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.

For further details contact:
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

Admission Requirements/Preparation

Admission requirements of the M.U.R.P. 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)

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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)

Total required core credits	***44 credits***
Minimum electives credit	***28 credits***
Minimum 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, M.A. or M.S., but not the M.U.R.P. 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.

Student 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 coursework 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 3.00. 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 coursework 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:

403 Community Facilities Planning (5)
430 Environmental Planning (5)
431 Environmental Impact Statements (3)
440 Land Use Planning (5)
441 Site Planning (5)
450 Transportation Planning (5)
460 Urban Design (3)
471 Rural and Small Town Planning (3)
480 Regional Planning (3)

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 prior 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 prior 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 prior 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 470
Community Participation Techniques (2)
WINTER
Prerequisite: PLAN 261 or prior 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 prior 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 prior 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 prior 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 prior 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 prior 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)
Prerequisites: 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: Prior 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 policymaking. 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)

Minor
Certificate
Faculty: D. Almedia, L. Avery, G. Ayot, K. Carlberg, P. Chantrill, L. De Vuono, L. Geddes, G. Hicks, K. Huttenmaier, K. Islam-Zwart, G. Jansen, E. Kissling, H. Lightfoot, M. Marinucci, H. McKean, K. McKinney, D., Orr, M. Peck, J. Ratliff, L. Reeves, P. Scott, J. Thomson, N. Wainwright, G. Walas, S. Warren, 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.

Among the more innovative programs initiated by Women's Studies is its gender-balancing curriculum integration project, which has assisted professors in a wide range of disciplines to build new scholarship about women into course work.

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 an 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 following one day workshops are designed to provide disciplinary frameworks at any level for gender integrating the curriculum with women's scholarship:

400 Women and Men in Literature (1) (Cross-listed ENGL 400)
401 Women and Men in Science (1) (Cross-listed BIOL 401, GEOL 401)
402 Women and Men in the U.S. Economy (1) (Cross-listed ECON 429)
403 Women and Men in Psychology (1) (Cross-listed PSYC 403)
404 Women and Men in Communications (1) (Cross-listed CMST 404)
405 Women and Men in History (1) (Cross-listed HIST 405)
406 Women and Men in the Cultural Landscape (1) (Cross-listed GEOG 406)
408 Women and Men in City Planning (1) (Cross-listed PLAN 408)
409 Women and Men in Contemporary Art (1) (Cross-listed ART 409)

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

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 U.S. and the world. Some students choose an Interdisciplinary Liberal 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.

Minimum total required credits	***14 - 19 credits***
Minimum 300-level elective credits	***3 - 8 credits***
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.

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 or 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.

Distribution 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/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 Gender Studies Certificate Coordinator (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 (3)
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)

Minimum required credits	***9 - 10 credits***
Minimum required experiential component	***3 - 5 credits***
Minimum elective credits	***11 - 13 credits***
Minimum credits for above Certificate	***23 - 28 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.

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 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 (3)
SPRING
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 398
German Women Writers (3)
Prerequisites: Two years of German taken at the college-level or equivalent.
Selection of prose writings by German female authors of the past two centuries, with an emphasis on contemporary writers.

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 indentities. 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
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 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.

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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 is required for all students until sophomore status (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 in the front of this catalog under Catalog Options. 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) 359-2345

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
(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.

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, Technology and Business house special purpose computing labs. Computer Science includes state-of-art parallel processing and graphics computer labs. Internet access is available throughout the systems' facilities.

Client Services

(509) 359-4872
Monroe Third Floor

Client Services provides information technology services to students, faculty and staff. Client Services includes 1) Information Resources and Information Technology Consultation, 2) Professional Design and Photography Services, 3) Multimedia Activities Resources Services (MARS), 4) Student Computing Resources, and 5) Classroom Technology Services. Client Services has specialists who assist the campus community with a wide range of technology-mediated activities.

(1) Information Technology Consultation

Client Services staff offer consultation and training on the most effective use of campus technology infrastructure including email, calendaring, WWW, desktop hardware and software, and the campus area network. In addition, consultations are available on applications systems, databases, software, and hardware.

(2) Professional Design and Photography Services (provided by University Graphics)

Graphic design specialists 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, copy slides from books and other flat copy or 3-dimensional items.

(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

Client Services manages Eastern's two university computing labs, where students, faculty, and staff have access to over 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 & white and color printers. The computer labs provide a standard set of software that includes Netscape, 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 web site http://www.labs.ewu.edu 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.

Ronald E. McNair Scholars Program

107 Monroe
(509) 359-2487/2471

The McNair Scholars 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 grade point average of 2.8 overall and 3.0 in the major
- U.S. citizen or permanent U.S. 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

111 Monroe
(509) 359-2487

SSS helps students who are low-income and first generation in college to stay in the university until they earn a baccalaureate degree. Students participate in group activities which ensure that students learn how to learn. Fo 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 students at any stage in their writing processes. Student 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 359-2779. Appointments are available Monday-Friday. Response sessions in Spokane are also available for department programs there. All Writers' Center services are free of charge.

Centers of Excellence

Honors

204 Hargreaves
(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 satisfies 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.

In the academically selective Honors Program, students develop scholarly relationships with some of Eastern's best faculty. Acceptance into Honors improves the chances of receiving academic scholarships. Enhanced coursework, 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 M.F.A. 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, Usef Komunyakaa, Thomas Lux, Richard Nelson, Tomas Salamun, James Welch, John Edgar Wideman, as well as the Nobel Prize winner, Ceszlaw Milosz.

MUSIC

119 Music Building
(509) 359-2241

The Music Program offers both undergraduate and graduate programs in voice, instrument, composition, and education. Students from a wide range of academic programs participate in the music and vocal groups led by members of the Music Department faculty. The Music Program's status as a Center of Excellence enhances its ability to contribute to the cultural life of the region and university. This includes a partnership with the Symphony (which features many faculty, alumni, and students), participation in the Centers of Excellence Academy, in which student composers and musicians write and perform pieces that reflect the theme of this event, which is a year-long exploration of ideas through invited speakers and authors, common readings, and music.

Diversity Programs

African American Education Program

204 Monroe Hall
(509) 359-2205

The African American Education Program is an academic and student service program. The African American Education Program develops and teaches courses in African American 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.

African American 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 Afro centric world view as the philosophical basis for the presentation of its courses.

The African American 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 six courses and a minor. The program also publishes the Moccasin Telegraph (a student newsletter) and Wicazo Sa (a scholarly research journal).

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 augments 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 is also introducing a Gender Studies Certificate that offers an interdisciplinary, critical study of gender and its social impact.

The resource center under the Women's Studies program provides:

- A comfortable place for women to meet
- A varied series of lunch hour presentations
- H.O.M.E. (Helping Ourselves Means Education) networking program for low income, nontraditional student parents
- Agency referrals
- A number of organizations and service programs for students, staff and faculty.

Educational Outreach

Division of Educational Outreach

121 Hargreaves
(509) 359-6155

This academic division includes programs offering courses to non-traditional students, as well as many courses for traditional students during the summer.

The following educational outreach programs are housed in the division. DEO also serves as EWUs liaison to external constituencies both regionally and

statewide to develop partnerships with other institutions and boards of higher learning.

Interdisciplinary Studies

213 Hargreaves
(509) 359-2402

Interdisciplinary Studies offers a variety of nontraditional methods for obtaining university credit toward a degree. These methods include contracted learning, credit for prior learning, challenging university courses through examination, weekend workshops and special opportunities for study off campus.

An Interdisciplinary Studies degree offers both flexibility and academic breadth through each of its three degree options:

- Liberal Arts Option
  This degree is designed for students who prefer a broad liberal arts program instead of a discipline-specific major.
- Prior Learning Option
  This degree is designed for adult learners who have acquired substantial specialized training outside the classroom.
- Interdisciplinary Option
  This degree is designed for students seeking to combine courses from two or three departments or programs.

For more information see Interdisciplinary Studies in the alphabetical program listings in the center of this catalog.

International Field Studies (IFS)/Eisenhower Center for Cultural Outreach

221 Hargreaves
(509) 359-6275, or Toll Free (800) 541-2125

The IFS/Eisenhower Center offers academic credit for students, teachers and other professionals traveling overseas on approved educational travel programs. Undergraduate level courses are offered for student participants. Post-baccalaureate credit is offered for teachers and other professionals to meet certification and professional advancement requirements. Courses have been designed to complement and enhance the educational value received from the travel experience. For more information on these programs, please call our office.

Office of Professional Development and External Programs (OPDEP)

217 Hargreaves
(509) 359-7380
email: profdevelop@ewu.edu
http://professional.ewu.edu

The Office of Professional Development and External Programs is committed to serving a leading role in academic outreach and distance learning at Eastern. OPDEP provides high quality, customized programs for professional development, academic credit, and personal enrichment to individuals, organizations, and corporations throughout the region. The wide range of OPDEP programs, courses and services are offered both on-site and at Eastern's learning center locations. The Office of Professional Development and External Programs include:

Certificate Programs
Credit Option Courses
Continuing Education Units (CEUs)
Independent Learning (correspondence courses)
Off-campus Extension
Online Courses
Public Forums
Running Start
Workshops and Short Courses

Credit Option and Continuing Education Unit (CEU) 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 emphases includes:

Computer and Technology
Educational Strategies and Management
Behavior Sciences
Languages

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.

Independent Learning/Correspondence Courses:
http://il.ewu.edu

Independent Learning courses are ideal for individuals seeking flexibility of course scheduling and completion, and professionals seeking endorsements, certification or career advancement. Independent Learning utilizes an open-enrollment system which allows students to enroll at any time.

A maximum of 45 quarter credits, in Independent Learning, may be counted toward the baccalaureate degree.

Independent Learning courses are computed as part of a student's grade point average.

Independent Learning courses may not be taken as a repeat for courses previously taken by classroom instruction.

Independent Learning course credits are not accepted for English composition credit at Eastern.

Current Independent Learning course subjects include:

Accounting
African American Studies
Business
Communication Studies
Counseling, Education and Developmental Psychology
Creative Writing
Education
English
Government
Health Education
History
Human Resources
Humanities
Mathematics
Physical Education
Psychology
Women's Studies

New Independent Learning courses are being developed on a regular basis.

To view current course offerings please visit the Independent Learning website at http://il.ewu.edu

Professional Development Workshops/ Short Courses: http://professional.ewu.edu

Professional Development workshops, short courses and certificate programs emphasize career-relevant education for professionals and are customized to meet the specific training needs of the public, community, corporations, and organizations. Trainings may be offered at one of EWU's educational centers or, for additional convenience, at the clients' designated facility.

Most requested professional development courses include:

Business and Management

Business and Technical Writing

Communication and Interpersonal Skills

Leadership

Motivation, Negotiation, and Influence

Project Management

Supervisory Skills

Team Building and Performance

Running Start: http://runningstart.ewu.edu

Running Start, a program created by the Washington State Legislature, provides an opportunity for juniors and seniors in state public high schools to enroll in courses at Eastern Washington University. Running Start provides 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 courses on the EWU campus – up to 18 credits per quarter. If eligible for the program, they earn both high school and college credit for the college-level courses they successfully complete.

Classes taken as part of the Running Start program are limited to "college level" courses. Tuition is covered by each student's school district. Books and supplies, class related fees, transportation and parking are the responsibility of the student. Running Start is available fall, winter and spring quarters only.

Students are eligible for Running Start at EWU if they meet the following criteria:

- Student is under age 21 at the beginning of the academic school year.
- Student's residence is located within the high school district.
- Student will be in the 11th or 12th grade by the first quarter of Running Start.
- Student has achieved a cumulative GPA of at least 3.25 or qualifies for a 25 on the EWU Admissions Index.

For further information about Eastern's alternative academic and professional development programs, please contact the Office of Professional Development and External Programs at (509) 359-7380, or visit our website at http://professional.ewu.edu

Summer Session

121 Hargreaves
(509)-359-4222 or (509)-359-4860

Summer Session offers courses in a variety of formats for varying lengths of time including weekend workshops, four and six week courses and eight week courses over the entire summer term. Summer Session courses are available to university students and community members in order to graduate early, learn new skills or pursue a topic of special interest. Opportunities are offered to travel internationally or to nearby states with faculty members for a once in a lifetime experience. Other students may take core courses during the summer to concentrate on their major courses during the rest of the year. New freshman or transfer students may find Summer Session courses a great way to become familiar with our campus and with our faculty. Out-of-state students and international students benefit from taking summer courses for the same tuition as in-state residents. Summer is for everyone.

International Education and Services

English Language Institute

354 Patterson Hall
(509) 359-6003

The goal of the English Language Institute is to continue developing English language skills as a bridge to credit courses in the ELI and American colleges and universities.

The Institute offers five levels of core courses which include Listening/ Conversation ,Reading, Writing/Grammar and Computer Skills. Research Paper and University Seminar are also strong bridge courses in the program that reflect an advanced level of English proficiency.

Students in the ELI who have satisfied all academic requirements for admission to EWU except for English language proficiency may move to credit status based on the recommendation of the ELI faculty. TOEFL scores are not required for ELI students.

The ELI also offers two language enriched, content courses for students at the graduate level who need ESL support.

The ELI is a TOEIC Test Site and also offers GMAT preparation.

A special feature of the ELI is the International Peer Adviser Program in which EWU students work with small groups of English language students to provide conversation practice, to accustom students to American life, and to organize special activities and field trips. ELI Cultural Mentors, who are native speakers of the major language groups in the ELI, also support students in their adjustment to American life.

International Education Office

127 Showalter
(509) 359-2331
http://iss.ewu.edu
isp@mail.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 International Education 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. Credits earned through the Study Abroad Program can apply toward a degree at Eastern Washington University and may be eligible for satisfaction of cultural diversity and international studies requirements. 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

Libraries

John F. Kennedy Library

100 LIB
(509) 359-6456

The Eastern Washington University Libraries consist of the John F. Kennedy Library, which is the main university library on the Cheney campus, and the Cooperative Academic Library Service (CALS) 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 combined library catalog of EWU and Washington State University as well as a combined catalog of the twenty six 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.library.ewu.edu. Assistance with new technological tools and traditional research materials is available from reference librarians in the Kennedy Library and CALS. 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.

CALS

Room 105 N. Riverpoint Blvd.
Spokane, WA 99210
(509) 358-7930

The Cooperative Academic Library Service (CALS), located at Riverpoint 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, child care, 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 PE Classroom Building Classroom
(509) 359-2463 - 1-800-648-7697
http://athletics.ewu.edu

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 and Idaho State. Division I sports include:

- football, men's
- basketball, men's and women's
- cross country, men's and women's
- indoor/outdoor track & 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.

Clubs and Organizations

215 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, 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 Department of Student Life and see the adviser 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 adviser for Student Organizations in PUB 215. Call 359-4711 or 359-2292.

Dean of Students/Associate Vice President for Student Life

215 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, the ASEWU Student Empowerment Center and Campus Outreach), and Counseling and Psychological Services. 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 adventurous and beautiful places.

Epic Adventures is an integral component of the Department of Student Life and is sponsored by the Associated Students of EWU. The staff of Epic is committed to providing outdoor educational and recreational opportunities for all EWU students, staff and faculty. Some of the opportunities offered by Epic include:

- Field experiences and instructional programs in rock climbing, whitewater rafting and kayaking, canoeing, backpacking, mountaineering, alpine skiing and snowshoeing, ice climbing, avalanche awareness, 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 Friday from 11 AM to 4 PM.

Greek Life (Fraternity/Sorority System)

215 PUB
(509) 359-4711 or 359-RUSH

Eastern is the only regional university in Washington State 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 adviser for Student Organizations in PUB 215. Call 359-4711 or 359-RUSH.

Social fraternities and sororities are listed below. Eastern also is home to many professional, honorary and business fraternities.

FRATERNITIES	SORORITIES
Beta Theta Pi	Alpha Omicron Pi
Phi Delta Theta	Alpha Phi
Pi Lambda Phi	Alpha Xi Delta
Sigma Nu	Gamma Phi Beta
Sigma Phi Epsilon	

Intramural and Club Sports

120 PEA
(509) 359-7877

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 $25 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 "A" and "B" levels for competitive and recreational play so students of all skill levels may take part. The IM program is a part of the Department 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. Current competitive clubs are Men's Soccer, Volleyball, Baseball, and Ice Hockey, and Women's Fast Pitch Softball and Volleyball. Workout based clubs are Aikido, Boxing, and Tae Kwon Do. 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 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 as a way of life for the students. Community Standards is a set of guidelines by which residents of the building/floor wish to live by. The standards work 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/Floor Managers (full time student staff who live on the floor), and Office/Night Desk (Security) Workers. In addition, there are various leadership opportunities for students. They 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 over 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, child care, and addresses other concerns of the state's diverse and non-traditional population on campuses. 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 (359-2514).

Student Publications

Campus Planners

215 PUB
(509) 359-2292

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 information such as university addresses and telephone numbers, 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 on-line version of the handbook is available at iceberg.ewu.edu/studentlife/ and hardcopies are distributed to all new freshman and graduate students.

The Easterner

Hargreaves Hall 119
(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:

- 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) 359-2389

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)—web-based tool to assist students with their career plan
- Career Resource Library—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

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 out 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 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 web site (www.careers.ewu.edu).

Job Search Preparation

- 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 – A complete menu of career related sites
- Videotape library – 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
Email: finaid@mail.ewu.edu
Web Site: http://financialaid.ewu.edu

Introduction

Eastern Washington University provides financial assistance to eligible students in the form of scholarships, tuition waivers, grants, work study, and loans. Nearly 75% 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 & Scholarship web site at http://financialaid.ewu.edu
- 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 on line at eaglenet.ewu.edu.
- 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: http://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 deadline date for the Eastern Washington University scholarship application. Apply on line at http://financialaid.ewu.edu, click EWU Scholarships.
- February 15: Date 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 loan limits. Visit the Financial Aid & 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. Students must be enrolled at least half time to qualify. Applications are available in the Financial Aid & Scholarship Office or at http://financialaid.ewu.edu, click On-Line 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 & Registration, (509) 359-2321; for 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 & Scholarship Office.
- Veteran's Benefits & 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 – Undergraduates

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 by February 1 for the following academic year. Apply on line at http://financialaid.ewu.edu, click EWU Scholarships, or pick up an application in the Financial Aid & Scholarship Office.

A list of separate departmental scholarships and private, non-EWU scholarships are also available on our web site.

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, Dental Hygiene, or Physical Therapy 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 deadline date for the Eastern Washington University scholarship application. Apply on line at http://financialaid.ewu.edu, click EWU Scholarships.

February 15: Date 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 loan limits. Visit the Financial Aid & 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. These resources may be used as a portion of a Graduate Service Appointment stipend.

Miscellaneous Financial Aid Programs

- 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 & Scholarship Office.
- 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 & Scholarship Office or at http://financialaid.ewu.edu, click On-Line 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 & Registration, (509) 359-2321; for Active Duty personnel, contact the Office of Admissions, (509) 359-2397.
- Veterans' Benefits & 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.
- 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 three EWU programs—Social Work, Creative Writing (the Western Regional Graduate Program states) or Physical Therapy (Professional Student Exchange 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. Earlier application is encouraged. The form is available at: http://grad.ewu.edu/prospective students.

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. 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 at no cost to them 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 by February 1 for the following academic year. Apply on line at http://financialaid.ewu.edu, click EWU Scholarships, or pick up an application in the Financial Aid & Scholarship Office.

A list of separate departmental scholarships and private, non-EWU scholarships are also available on our web site.

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 non residents of Washington State and cover approximately one-half of non resident tuition. No service to the university is required for recipients of this scholarship. Interested students must contact the program to which they are applying.

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 Social Work, Dental Hygiene, or Physical Therapy Program. 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
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 it is in Spokane of Cheney, on or off campus, residence hall or apartment, 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 our students need at the best price among public higher education institutions in the state.

Living on Campus is the difference between simply attending classes and actually being a part of the university. 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 halls—Louise Anderson, Morrison, Streeter, Pearce, Dressler, Dryden and Brewster—are available for single students without dependents. We offer a variety of living arrangements including all female floors, floors with extended quiet hours and floors where residents make a commitment not to sue an form of alcohol, tobacco or drugs. 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 a Housing Incentive Grant is May 1. Applications received before June 20 will assure a room assignment by mid July. Applications received after June 20, will 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 address, and assigned roommates are encouraged to get acquainted before fall term. Students can see their room, or a similar room, during Summer Orientation. 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 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 for specific information about our residence halls and Student Family Housing.

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 has single rooms for those 21 and over. Student Court, 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. Married students and students with children have priority in Student Court and rooms there are also available for mature single students. 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, speak with the Housing Office at 121 Tawanka (509) 359-2451 or (800) 583-3345.

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, from those 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 & Freshsens Smoothie Bar has espresso drinks and smoothies through the year.

Alley Way Grill has Mexican options at Rio's and Asian and curry dishes at Sticks and Spoons.

Eagle Shop is the campus convenience store.

(2) Tawanka Commons

An all-you-can-eat cafeteria is available for those who signed up for it.

Main Street Deli has hot and cold sandwiches, salads, and more.

(3) Tunnel between Streeter and Morrison Halls

Morris Street Café, open 7 p.m.-11:00 p.m. is the answer for late night munchies.

Campus dining facilities accept cash, flex account payment, or by 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 ID's 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 any time.

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) 359-6589.

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, 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. Priority registration 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.

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, 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 below. Check the Records and Registration web site 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 at registration. Grades, class schedule, and transcript information are not released to third parties unless authorized in writing by the student, and 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.

Repeating Courses:

A course may be repeated. Any numerically graded course that is retaken must be identified during the registration process by indicating this option on EagleNET or by submitting a repeat form when registering in person. Failure to indicate the repeat during registration may be detrimental to both GPA and total credits for graduation.

When the proper grade repeat form is filed, and the grade is assigned, the previous course, credits, and grade will remain on the transcript, but will be superseded by the new course, credits, and grade. The cumulative grade point average will be adjusted to reflect the new grade.

Courses assigned a letter grade such as a "W" or "N/C" may also be repeated, however, a course repeat form is not required since there will be no adjustment to the cumulative grade point average. Simply register for the course as normal, and the new grade will be assigned at the end of the grading period.

Courses cannot be repeated:

- After receiving a pass (P) grade with the Pass/Fail or Pass/No Credit option
- If taken as an Independent Learning/Correspondence course
- To improve the undergraduate grade point average after receiving a baccalaureate degree from Eastern
- To replace a transferred course for which Eastern offers no equivalent.

Withdrawing from courses:

Withdrawals ("W" grade assigned to record) are accepted in the Records and Registration Office or at the Spokane Center from the eleventh day of the quarter until the end of the seventh week, and 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 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) 359-6591 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 0.0 grades and will 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

Earned credit hours determine undergraduate class standing, including any transfer credits that have been received by the posted deadlines. Current registration is excluded when determining class standing.

Undergraduate:

Cumulative Credit Hours Earned	Classification
0-44	Freshman
45-89	Sophomore
90-134	Junior
135+	Senior

Post-baccalaureate:

Hold at least an earned undergraduate degree as documented with official university transcripts.

Fifth-Year (FYR):

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 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. 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.

Overload

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 cumulative grade point average of at least 3.00. See the quarterly course announcement for required authorizations. Additional per credit fees are assessed for students enrolled in more than 18 credits per quarter.

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

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 vacation quarters.

Grade Appeals and Grading System, see the Policy section of the catalog, below for general information that applied 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.

Grade Appeals and Grading System

For general information that applies to all students see the policy section 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 cumulative grade point average for courses completed at Eastern only.

Transcript Requests

Official copies of Eastern transcripts may be required for job, 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, 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 and a 10-to-15 minute wait. 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 web site http://eaglenet.ewu.edu/

Current transcript fees are posted at http://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
(509) 359-6372

SFS provides billing, refund, and cash management services 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.

Spokane Center

705 W. First St.
Spokane, WA 99205
(509)-623-4258

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 who want exposure to 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.
- Plays and other dramatic productions are presented regularly at the University Theatre.
- 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.

George Stahl Planetarium

239 Science Building
(509) 359-2334

This facility provides university instruction as well as astronomy programs to visiting public school classes.

The Pence Union Building

320 PUB
(509) 359-7921

The Pence Union Building, or PUB, provides a variety of services, conveniences and amenities, including

- Personal check cashing
- A pool hall 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, Eagle Espresso and Smoothie Bar, Main Street Deli and a selection of unique concession stands
- Computer center
- Computer literacy lab
- Writers' Center
- Complete Bookstore for textbooks, trade books, supplies, clothing, gifts, cards
- A cyber-cafe.

Sports and Recreation Center (Recreation and Fitness Activities)

336 Special Events Pavilion
(509) 359-2206

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) 359-2542

Customer Service
(509) 359-2826
http://www.bookstore.ewu.edu

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 horseback riding, theatre and other tickets for student activities. Bus passes, prepaid phone cards, locker and table rentals and phase user passes are available in Customer Service.

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 child care program serving the child care needs of the university community. The Childcare program provices an environment that supports developmentally appropriate early childhood practices. The beautiful, modern facility is licensed to serve 194 children.

The Children's Center offers an 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 and assistance with the cost is available on a limited basis for EWU students. 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 group and individual counseling for a nominal fee. Intakes, group screenings, crisis intervention, referrals, and consultation are free. Our staff of psychologists, counselors and graduate trainees is prepared to help with such concerns as roommate difficulties, career indecision, interpersonal relationships, family concerns, anxiety and depression, sexual concerns, alcohol and drug abuse, trauma and uncertainties about personal values and beliefs.

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.

HOME (Helping Ourselves Means Education)

207C Monroe Hall
(509) 359-4237

HOME is a support service for returning students and students with dependent children. HOME maintains a resource referral database on housing, child care, and community services, as well as campus resources and services. HOME also offers a number of child care scholarships as well as short term emergency loans. HOME publishes a quarterly newsletter and a Nontraditional Student Handbook, and sponsors the Giving Tree, a holiday giving campaign for the children of low-income EWU students.

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 may also be 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 or reissue an ID card.

Students who do not 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.

Parking

101 Red Barn
(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 to the availability of visitor or handicapped parking space. Note: The lot located behind Woodward Stadium is a free parking lot except for Special Events days.

Student Health, Wellness and Prevention

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 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 235-6235 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.

Veterans Services

201 Sutton Hall
(509) 359-7040

The Veterans 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 College.

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 grade point average calculation. In this case the 0.0 would be a permanent part of the grade point average 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 Faculty-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 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 any one 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, email 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 eaglenet.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 Appeals 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 eaglenet.ewu.edu, starting the Wednesday after finals. The report includes current cumulative grade point average for courses completed at Eastern only.

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 grade point average, but will serve as credits toward graduation, except for non-college credit courses. A fail (0.0) grade will be calculated in the grade point average.

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 grade point averages.

Course Withdrawal (W)

A "W" grade is assigned when the student makes a course withdrawal either at the Records and Registration Office or at the Spokane Center, between the 11th 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.

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 grade point average.)
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 grade point average.

Example: (grade)	x	(credits)	=	(QP)
3.0	x	4	=	12
2.3	x	5	=	11.5
4.0	x	2	=	8
total credits (QH) = 11				31.5 = total grade points (QP)
(QP)	/	(QH)	=	Cum. GPA
31.5	/	11	=	2.863

Repeating Courses (This is general information. Graduate students must also follow the specific policies under Academic Standards and Course Repeat in the front of this catalog.)

The Records and Registration Office must be informed that the class is a repeat, and a Course Repeat form must be submitted at the time of registration. The previous course title, credits, and grade remain on the transcript but are superseded by the new course title, credits and grade. The cumulative grade point average is adjusted to remove previous credits and grade point average.

Courses previously taken may not be repeated under the following conditions:

- Receiving a pass (P) grade with the Pass/No Credit option.
- To improve an undergraduate grade point average after receiving a baccalaureate degree.
- Repeating a transferred course for which Eastern offers no equivalent.
- As an independent learning course for courses previously taken by classroom instruction.

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.

Factors considered in determining residence are registration and payment of fees on a motor vehicle, a valid driver's license issued one year prior to the start of the term for which residency is requested, permanent full-time employment, income tax return showing a Washington address, voter registration, selective service registration, purchase of primary residence or rent receipts, membership in business or civic organizations and location of checking and savings accounts.

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.

Any student who has spent at least 75% of both their junior and senior years in high school in Washington, whose parents or guardians have been domiciled in the state a period of at least one year within the five-year period before the student graduates from high school, shall be considered a resident only for as long as the student shall remain continuously enrolled for three quarters in any calendar year.

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
P.O. Box 69
Olympia, WA 98507-9044
(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, above.

FACULTY DIRECTORY

Trustees, Senior University Administrators, Academic Deans, and Full-Time and Emeritus Faculty

BOARD OF TRUSTEES

Mr. Gordon Budke
Ms. JoAnn Kaufman
Mr. Neil McReynolds
Ms. Kris Mikkelsen
Ms. Bertha Ortega
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Mr. Paul Tanaka
Ms. Ines Zozaya-Geist

UNIVERSITY ADMINISTRATION

President
Dr. Stephen M. Jordan
Vice President and Provost for Academic Affairs
Dr. Brian Levin-Stankevich
Vice President for Business and Finance
Mary Voves
Vice President for Student Affairs
William Ponder
Vice President for Advancement
Philip Akers

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, Mathematics and Technology
College of Social and Behavioral Sciences
School of Social Work and Human Services

ACADEMIC DEANS

Valerie Appleton, Ph.D., Dean of the College of Education and Human Development
Philip D. Castille, Ph.D., Dean of the College of Arts and Letters
Jeffers W. Chertok, Ph.D., Dean of the College of Social and Behavioral Sciences
Dorothy Detlor, Ph.D., Dean of the Intercollegiate College of Nursing/Washington State University College of Nursing
Michael Frumkin, Ph.D., Dean of the School of Social Work and Human Services
Patricia M. Kelley, M.L.S., Dean of Libraries and Chief Information Officer
Dolores T. Martin, Ph.D., Dean of the College of Business and Public Administration
Raymond A. Soltero, Ph.D., Dean of the College of Science, Mathematics and Technology

FULL-TIME FACULTY

The following list reflects the status of the Eastern Washington University faculty as of October, 2003. 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 — B.S.N., Moorehead State University; M.S.N., University of North Dakota

Ackerman, Elaine — 1995, Lecturer in Education — B.A., M.S., Eastern Washington University

Adler, Diane — 1993, Senior Lecturer in English as a Second Language — B.S., Bowling Green State University; M.A., Western Washington University

Adolphson, Keith V. — 2002, Assistant Professor of Mathematics — B.A., Gustavus Adolphus College; M.A., M.S., Naval Postgraduate School; Ph.D., University of Oklahoma

Alden, Janine — 1992, Senior Lecturer in English as a Second Language — B.S., Georgetown University; M.A., California State University

Allen, Carol — 1996, Instructor in Nursing — B.S., University of California at Los Angeles; M.S., University of Portland

Almeida, Deidre A. — 2001, Director of American Indian Studies and Assistant Professor of American Indian Studies — B.A., Ph.D., University of Massachusetts; M.A., Stanford University

Altshuler, Sandra J. — 2000, Associate Professor of Social Work — B.A., University of Illinois, Urbana-Champaign; M.S.W., Ph.D., University of Illinois, Chicago

Alvin, Barbara — 1983, Professor of Mathematics — B.A., M.S., Miami University; Ph.D., University of Washington

Alvy, Harvey B. — 2000, Associate Professor of Education — B.A., Yankton College; M.S., City University of New York; Ed.D., University of Montana

Anderson, Susan K. — 2001, Librarian II, Acquisitions/Electronic Resources Librarian — B.A., University of Washington; M.A., University of Arizona

Andrews, Marge E. — 2000, Lecturer in Spanish — B.A., University of Connecticut; M.A., Southern Methodist University

Appleton, Valerie E. — 1991, Dean, College of Education and Human Development and Professor of Counseling Educational and Developmental Psychology — B.A., University of California, Santa Cruz; M.A., College of Notre Dame; Ed.D., University of San Francisco

Arbanas, Kevin A. MAJ. — 2002, Professor of Military Science — B.S., United States Military Academy, West Point; M.A., Murray State University

Armstrong, Merry — 1995, Associate Professor of Nursing — B.S.N., San Diego State University; M.S.N., D.N.Sc., University of San Diego

Arndt, Armin W., Jr. — 1972, Professor of Counseling, Educational and Developmental Psychology — B.A., M.A., Ph.D., University of California, Berkeley

Askman, Tom K. — 1972, Professor of Art — B.A.Ed., B.F.A., California College of Arts and Crafts; M.F.A., University of Colorado

Avery, Lisa — 2000, Associate Professor of Social Work — B.S., Ball State University; M.S.W., Ph.D., University of Illinois, Chicago

Ayot, Gloria — 1995, Associate Professor of Education — B.S., St. Joseph's University; M.A., Antioch Graduate School of Education; Ph.D., The Union Institute Graduate School

Babcock, Garth — 1998, Associate Professor of Physical Education, Health and Recreation — B.S., M.S., Brigham Young University; Ph.D., Texas Women's University

Bailey, Jeremy D. — 2003, Assistant Professor of Government — B.A., Rhodes College; Ph.D., Boston College

Baldwin, Beau — 2003, Assistant Football Coach — B.Ed., Central Washington University

Baldwin, Philip R. — 2001, Assistant Professor of Music/Violin/Viola — B.M., Boston University; M.M., University of Akron; D.M.A., The Ohio State University

Banasik, Jacquelyn — 1983, Associate Professor of Nursing — B.S.N., Ph.D., Washington State University; M.N., University of Washington

Barnes, Pamela J. — 1999, Lecturer in Psychology — B.A., University of San Diego; M.S., Eastern Washington University

Basham, Alan — 1995, Senior Lecturer in Counseling, Educational and Developmental Psychology — B.A., M.A., Biola University

Bayne, M. Christina — 1974, Associate Professor of Nursing — B.S.N., College of St. Teresa; M.S., University of Colorado

Bedalov, Patricia M. Hendryx — 1994, Associate Professor of Communication Disorders — B.S., M.S., University of Wisconsin-Milwaukee; Ph.D., Northwestern University

Bennett, Denise J. — 2001, Lecturer in Electronic Media and Film — B.A., M.A., Eastern Washington University

FACULTY DIRECTORY

Benson, Wade — 1996, Head Volleyball Coach

Bent, Barbara A. — 1993, Senior Lecturer in English as a Second Language — B.A., M.A., University of Wisconsin-Madison

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; Ph.D., University of Southwestern Louisiana

Bickerstaff, Douglas D., Jr. — 1986, Associate Professor of Computer Science — B.A., Phillips University; M.S., University of Arkansas; M.S., University of Missouri-Rolla; Ph.D., Kansas State University

Bilous, Peter T. — 2003, Associate Professor of Chemistry/Biochemistry — B.Sc., M.Sc., University of Manitoba; Ph.D., McGill University

Bindler, Ruth C. — 1974, Associate Professor of Nursing — B.S., Cornell University; M.S., University of Wisconsin; Ph.D., Washington State University

Birch, Nancy J. — 1988, Professor of Management Information Systems — B.S., University of Arizona; M.B.A., Ph.D., Arizona State University

Bittrick, Irene — 1998, Lecturer in Alcohol and Drug Studies and Director — B.A., M.A., Eastern Washington University

Black, A. Ross — 1993, Professor of Biology — B.S., University of Washington; M.S., Ph.D., University of Wisconsin-Madison

Blankenship-Mortier, Patricia A. — 2000, Lecturer in Music — B.M., Eastman School of Music, Rochester, N.Y.

Blewett, Stephen D. — 1988, Professor and Director of Journalism — B.A., M.A., Eastern Washington University

Blitz, Phebe A. — 2001, Assistant Professor of Dental Hygiene — B.S., University of Michigan; M.S., Columbia University

Boggs, Dona — 1997, Associate Professor of Biology — B.A., Radcliffe/Harvard College; Ph.D., University of Montana

Bolte, Linda A. — 1993, Professor of Mathematics — B.A., Webster College; M.A., University of Northern Colorado; M.S., University of Iowa; Ph.D., University of Missouri

Bownds, Lynne M. — 1999, Assistant Professor of Economics — B.A., M.A., Ph.D., University of Tennessee

Braukmann, James — 1984, Professor of Engineering Technology and Multimedia Design — B.A.E., M.Ed., Eastern Washington University; Ph.D., University of Idaho

Breen, Melinda E. — 1999, Assistant Professor of Engineering Technology and Multimedia Design — B.A., University of Notre Dame; M.A., Eastern Washington University

Briand, Geneviève — 2001, Assistant Professor of Economics — B.S., M.S., Ecole Supérieure D'Agriculture, Angers, France; M.S., University of Wyoming; Ph.D., Washington State University

Brick, Kevin T. — 2001, Lecturer in Occupational Therapy — B.S., M.S., State University of New York, Buffalo

Briggs, Lynn — 1994, Associate Dean, College of Arts and Letters and Professor of English and Director, University Writers' Center — B.A., M.A., St. Bonaventure University; Ph.D., Syracuse University

Brinckmeyer, Lynn M. — 1992, Professor of Music — B.S.Ed., M.M.E., Eastern New Mexico University; Ph.D., Kansas University

Brock, Barbara — 1987, Professor of Physical Education, Health and Recreation — B.S., Graceland College; M.A., 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 — B.A., M.A.T., Gonzaga University

Browers, Rebecca T. — 2003, Visiting Assistant Professor of Counsleing, Educational and Developmental Psychology — B.S., University of West Georgia; M.Ed., South Dakota State University; Ed.D., University of South Dakota

Brown, Carol — 1998, Clinical Associate Professor of Nursing — B.S.N., Walla Walla College; M.S., Loma Linda University; Ed.M., Ph.D., Oregon State University

Brown, Lu Ann — 2002, Lecturer in Social Work — B.A., University of Northern Iowa; M.S.W., Eastern Washington University

Brucker, Benjamin W. — 1972, Professor of Education — B.A., Gonzaga University; M.Ed., Eastern Washington University; Ed.D., Arizona State University

Bruya, Margaret A. — 1979, Professor of Nursing — B.S.N., M.N., University of Washington; D.N.Sc., Boston University

Brzoska, Michael — 1983, Professor of Engineering Technology and Multimedia Design — B.S., M.S. in M.E., Ph.D., Washington State University

Buchanan, John P. — 1984, Professor of Geology — B.S., Southern Illinois University; M.S., Ph.D., Colorado State University

Buckingham, Polly — 2001, Lecturer in English — B.A., Eckerd College; M.F.A., Eastern Washington University

Buckley, Michael — 2001, Lecturer in Government — B.A., University of California, Santa Barbara; M.A., California State University, Long Beach

Buerger, Peter B. — 1970, Professor of Psychology — B.S., City College of CUNY; M.A., Ph.D., Southern Illinois University

Bunting, David C. — 1971, Professor of Economics — B.S., M.A., Ohio State University; M.S., University of Wisconsin; Ph.D., University of Oregon

Busch, Karen — 1989, Associate Professor of Nursing — B.S.N., M.S.N., University of California at San Francisco; Ph.D., University of Texas at Austin

Byrnes, Edward C. — 2003, Assistant Professor of Social Work — B.S., M.S.W., Ph.D., University of Utah

Cameron, Alexander B. — 1981, Professor of Accounting — B.A., M.B.A., Eastern Washington University; Ph.D., University of Utah; C.P.A., C.M.A.

Canada, Daniel L. — 2003, Assistant Professor of Mathematics — B.S., Biola University; M.S., Western Washington University

Capaul, Thomas B. — 2000, Senior Lecturer in Computer Science — B.A., M.S., Eastern Washington University

Capetillo, Daniel — 2002, Lecturer in Social Work — B.A., Central Washington University; M.S.W., Eastern Washington University

Cardell, Becky — 1991, Clinical Associate Professor of Nursing — B.S.N., State University of New York-Albany; M.N., Washington State University; Ph.D., Rush University

Carlberg, Karen A. — 1983, Professor of Biology — B.S., University of Washington; M.S., Ph.D., University of New Mexico

Carlson, Christopher — 2001, Assistant Women's Basketball Coach — B.A., Truman State; M.S., U.S. Sport Academy

Carnegie, Teena A. M. — 2003, Assistant Professor of English — B.A., University of British Columbia; M.A., Ph.D., University of Waterloo

Carpenter, Marilyn — 1997, Associate Professor of Education — B.A., California State University, L.A.; M.A., Claremont Graduate School; Ph.D., University of Arizona, Tucson

Castille, Philip D. — 2000, Dean, College of Arts and Letters and Professor of English — B.A., Ph.D., Tulane University; M.A., University of North Carolina at Chapel Hill

Chantrill, Patricia — 1999, Associate Professor of Communication Studies — B.A., M.A., Idaho State University; Ph.D., Washington State University

Chapman, Gordon L. — 1979, E. Clair Daniels Distinguished Professor of Accounting — B.S., Eastern Montana College; M.B.A., University of Denver; D.B.A., Arizona State University; C.P.A., States of Colorado and Illinois

FACULTY DIRECTORY

Chase, Matthew R. — 2000, Assistant Professor of Physical Education, Health and Recreation — B.S., Oregon State University; M.S., University of Oregon; Ph.D., Gonzaga University

Check, Judy A. — 2001, Lecturer in Education — B.S., New Mexico State University; M.A., University of New Mexico

Cherrier, Becky — 1991, Instructor of Nursing — B.S.N., South Dakota State University; M.N., University of California-Los Angeles

Cherry, Dexter E. SFC — 2002, Lecturer in Military Science

Chertok, Jeffers W. — 1971, Dean, College of Social and Behavioral Sciences and Professor of Sociology — B.A., Western Washington University; M.A., Ph.D., University of Oregon

Christensen, Sandra L. — 1990, Professor of Management — B.A., M.B.A., University of California-Berkeley; M.B.A., Golden Gate University; Ph.D., University of Washington

Clark, Charlene E. — 1969, Professor of Nursing and Associate Dean for Instructional Resources and Extended College Activities — B.S., M.Ed., Whitworth College

Clark, Christine — 1998, Lecturer in Social Work — B.A., Whitworth; M.S.W., Boston University

Clark, R. William — 1987, Professor of Computer Science — B.S., Marietta College; M.S., Washington State University; Ph.D., University of Washington

Cleanthous, Charalambos — 1996, Associate Professor of Counseling, Educational and Developmental Psychology — B.A., Sterling College; M.S., Fort Hays State University; Ph.D., University of Kansas

Clute, Mary Ann — 2000, Lecturer in Social Work — B.A., Washington State University; B.A., M.S.W., Eastern Washington University

Coelho, Alan — 1992, Professor of Physical Education, Health and Recreation — B.A., M.A., California State University, Fresno; Ed.D., University of Northern Colorado

Cogley, John P. — 1978, Professor of Physical Education, Health and Recreation — B.A., Iowa State University; M.A., University of Iowa; Ed.D., University of Northern Colorado

Conlin, Michael F. — 2000, Assistant Professor of History — B.A., Miami University; M.A., Ph.D., University of Illinois, Urbana-Champaign

Cooney, Vance — 1999, Assistant Professor of Management Information Systems — B.A., Eastern Washington University; Ph.D., University of Arizona

Corbett, Cynthia — 1996, Associate Professor of Nursing — B.A., Carroll College; M.N., Whitworth College; Ph.D., Loyola University

Corkill, Jeffrey A. — 1981, Professor of Chemistry/Biochemistry — B.A., M.A., University of Cambridge, Churchill College; M.S., University of Washington; Ph.D., Exeter University

Cornelius, David L. — 1984, Associate Dean, College of Social and Behavioral Sciences and Associate Professor of Communication Studies — B.A., M.A., University of Pittsburgh; Ph.D., Florida State University

Coy, Jimmie L. — 2000, Lecturer in English — B.A.E., M.A., Eastern Washington University

Creasman, Grace — 2001, Lecturer in Alcohol and Drug Studies — B.A., M.Ed., Eastern Washington University

Cutler, Cynthia M. — 1981, Professor of Integrative Studies — B.S., Eastern Washington University; M.S., University of Washington; Ph.D., Gonzaga University

Dalla, Ronald H. — 1970, Dean for Graduate and Undergraduate Studies and Professor of Mathematics — B.A., Fort Lewis College; M.Ed., Washington State University; M.S., Ph.D., University of Wyoming

Dalley, Mahlon B. — 1996, Associate Professor of Psychology — B.S., M.S., Utah State University; Ph.D., University of Northern Colorado

Davis, Diane R. — 1992, Professor of Social Work — B.A., University of Oregon; M.S.S.W., University of Texas at Austin; Ph.D., University of Texas at Austin

Dean, Robert D. — 2001, Assistant Professor of History — B.A., University of Colorado; M.A., Ph.D., University of Arizona

Detlor, Dorothy — 1997, Dean, Intercollegiate College of Nursing/Washington State University College of Nursing and Professor of Nursing — B.S.N., Whitworth College; M.S.N., University of Maryland; Ph.D., Gonzaga University

DeVuono, Lanny — 1991, Professor of Art — B.A., Antioch University; M.F.A., Mills College

DiMarco, Arthur C. — 2002, Assistant Professor of Dental Hygiene — B.S., Dickinson College; D.M.D., Medical University of South Carolina

Donnerberg, Jeffrey L. — 1990, Associate Professor of Engineering Technology and Multimedia Design — B.S., Bowling Green State University; M.A., Ed.D., University of Minnesota

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Morgan, Debra D. — 2000, Lecturer in Management Information Systems — B.A.E., M.Ed., Eastern Washington University

Morley, Laureen V. — 2000, Associate Professor of Physical Education, Health and Recreation — B.S., California State University, Sacramento; M.S., Washington State University; Ed.D., University of Northern Colorado

Morris, Lynne Clemmons — 1983, Associate Professor of Social Work — B.A., Oberlin College; M.S.W., Ph.D., University of Michigan

FACULTY DIRECTORY

Morrison, Barbara — 1990, Instructor of Nursing — B.S.N., Ph.D., Gonzaga University; M.N., Intercollegiate College of Nursing

Mosman, Craig W. — 2003, Visiting Assistant Professor of Criminal Justice — B.S., Utah State University; J.D., University of Idaho

Mossey, James F. — 2003, Lecturer in Education — B.A.E., Eastern Washington University; M.A., Whitworth College

Mount, Catherine — 2003, Lecturer in Spanish — B.S., University of Kansas; M.A., Arizona State University

Mullin, Thomas W. — 1991, Professor of Electronic Media and Film — B.S., M.A., University of Wyoming

Mulvany, Megan N. — 1985, Director, Asia University America Program and Assistant Professor of English as a Second Language — B.A.E., M.Ed., Eastern Washington University

Munson, Doris — Librarian II, Systems/ Reference Librarian — B.S., Oregon State University; M.L., University of Washington

Murff, Elizabeth J. Tipton — 2001, Assistant Professor of Decision Science — B.S., University of Texas, Dallas; Ph.D., University of Texas, Austin

Murphy, Keith — 2000, Assistant Football Coach — B.A., University of Washington

Mutschler, Charles V. — 2001, Librarian II (University Archivist) — B.A., M.A., Eastern Washington University; M.A., Western Washington University; Ph.D., 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 — B.M., Andrews University; M.M., University of Cincinnati

Nappa, Elisa E. — 1999, Assistant Professor of Art — B.F.A., New York College of Ceramics, Alfred University; M.F.A., Louisiana State University

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Nelson, Frank E. — 1968, Professor of Business Education — B.A., M.Ed., Eastern Washington University; Ed.D., Utah State University

Nelson, Michael B. — 1998, Library Associate — B.A., Saint Olaf College; M.A., University of Notre Dame; M.A., Colorado State University; M.L.S., Indiana University

Nelson, Nancy — 1998, Director, African American Education Program and Assistant Professor of African American Education — B.A., M.A., Antioch University

Nemetz-Mills, Patricia L. — 1989, Professor of Management — B.S., Pennsylvania Sate University; M.B.A., Gonzaga University; Ph.D., University of Washington

Nickerson, Ardean — 1984, Professor of Dental Hygiene — B.S., Idaho State University; M.Ed., Eastern Washington University

Nievergelt, Yves — 1985, Professor of Mathematics — Mathematics Diploma, Federal Institute of Technology; M.A., M.S., Ph.C., Ph.D., University of Washington

Noble, Karen L. — 1973, Professor of Music — B.A., San Diego State University; M.M., D.M.A., University of Washington; J.D., Gonzaga University

Nord, Janet M. — 2000, Lecturer in Dental Hygiene — B.S., University of Washington; M.Ed., Eastern Washington University

Norton, Brian — 2003, Head Athletic Trainer — B.S., University of Kansas; M.S., Ohio University

Novak, Terry L. — 1991, Professor of Public Administration — B.S., South Dakota State University; M.S., Ph.D., University of Colorado

Nowlin, Donald — 1989, Professor of Mathematics — B.A., M.A., San Jose State University; Ph.D., Oregon State University

Oakes, Annie — 1996, Lecturer in English — B.A., University of Utah; M.A., Eastern Washington University

O'Connell, Margaret A. — 1991, Professor of Biology — B.A., Prescott College; M.S., Ph.D., Texas Tech University

Oertling, W. Anthony — 1992, Associate Professor of Chemistry/Biochemistry — B.S., Texas A and M University; Ph.D., Michigan State University

Olafson, Robert B. — 1967, Professor of English — B.A., Pacific Lutheran University; M.A., Ph.D., University of Washington

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Orr, Douglas V. — 1991, Professor of Economics — B.A., Columbia University; M.A., Ph.D., University of Colorado

Oteíza, Teresa — 2003, Assistant Professor of Spanish — B.A., M.A., Pontifical Catholic University of Chile; Ph.D., University of California, Davis

Otto, Devin T. — 2003, Lecturer in Music/ Assistant Director of Bands — B.M., University of Idaho

Otto, Theophil M. — 1985, Librarian IV and Collection Management Librarian — B.M., University of Wisconsin; M.S.M., School of Sacred Music, Union Theological Seminary; M.L.S., Indiana University; Ph.D., Southern Illinois University

Owen-Williams, Eileen — 2001, Clinical Assistant Professor of Nursing — B.S.N., Intercollegiate College of Nursing/WSU College of Nursing; M.N., University of Washington

Parise, Lisa — 2000, Lecturer in Social Work — B.A., Western Washington University; M.S.W., University of Washington

Parker, O. Jerry — 1968, Associate Dean College of Science, Mathematics and Technology and Professor of Chemistry/ Biochemistry — B.S., M.S., Emporia State University; Ph.D., Iowa State University

Pascal, Vincent J. — 2001, Lecturer in Marketing — B.S., United States Military Academy; M.B.A., Gonzaga University

Peregoy, Barbara M. — 2001, Lecturer in Communication Disorders — B.A., Eastern Washington University; M.A., Western Washington University

Pew, Henrietta — 1997, Library Associate — B.A., Muskingum College; B.A., University of Idaho; M.S., Case Western Reserve University School of Library Science

Phillips, Laura L. — 1993, Professor of History — B.A., University of Wisconsin-Milwaukee; M.A., Ph.D., University of Illinois, Urbana

Phillips, Richard D. — 1995, Associate Professor of Education — B.A., M.A., University of Helsinki, Finland; Ph.D., University of Washington

Pickett, Rickie L. — 2000, Lecturer in Computer Science — B.A., M.Ed., Eastern Washington University

Pimentel, Jane — 1998, Associate Professor of Communication Disorders — B.S., M.S., Idaho State University; Ph.D., University of Washington

Pippard, James L. — 1977, Associate Professor of Social Work — B.A., University of Montana; M.S.W., University of California, Sacramento; D.S.W., University of Denver

Plamondon, Andrew A. — 2001, Lecturer in Music — B.M., Boise State University

Pohl, Peter J. — 2003, Lecturer in Education, Academic Support Center — B.S., Eastern Montana College; M.A., University of Wyoming

Potter, Jonathan D. — 2003, Librarian II, Social Sciences/Reference Librarian — B.A., Whitman College; M.A., M.L., University of Washington

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Pringle, Robert — 1980, Director of Library Services, Intercollegiate College of Nursing — B.A., University of Nebraska; M.L.S., University of Washington

Preisig, Florian — 2003, Assistant Professor of French — B.A., University of Geneva; Ph.D., Johns Hopkins University

Przychodzin-Havis, Angela — 2002, Lecturer in Counseling, Educational and Developmental Psychology — B.A., M.Ed., Eastern Washington University

Putnam, Jeffrey B. — 2003, Assistant Professof of Computer Science — B.S., University of New Hampshire; M.L.S., M.S., State University of New York, Albany; Ph.D., Rensselaer Polytechnic Institute

Quinn, Robert R. — 1967, Professor of Geography — B.S., M.S., Ph.D., Oregon State University

Radovancev, Estela — 1988, Librarian III and Reference and Instruction Librarian — B.A., M.S., M.Ed., University of Illinois

Rahn, Jeffrey A. — 1990, Professor of Chemistry/Biochemistry — B.S., Whitworth College; Ph.D., University of Nevada, Reno

Rasmor, Melody — 1998, Clinical Assistant Professor of Nursing — B.S.N., Pacific Lutheran University; M.S.N., University of Portland

Ratliff, Jeanne — 1999, Lecturer in Communication Studies — B.A., Eastern Washington University; M.A., Washington State University; Ph.D., University of Utah

Raymond, Kenneth W. — 1982, Professor of Chemistry/Biochemistry — B.S., Central Washington University; Ph.D., University of Washington

Records, Kathryn — 1991, Associate Professor of Nursing — B.S.N., University of Colorado, Health Science Center; M.S., Ph.D., University of Arizona

Reeves, LaVona L. — 1989, Professor of English — B.A., University of Nebraska; M.A., Columbia University; Ph.D., Indiana University of Pennsylvania

Renner, James A. — 1995, Lecturer in Social Work — B.S., University of Mary; M.S.W., University of Denver

Renshaw, Evelyn Q. — 1990, Senior Lecturer in English as a Second Language — B.A., Boston University; M.A., San Francisco State University

Repovich, Wendy — 1991, Associate Professor of Physical Education, Health and Recreation — B.A., University of Puget Sound; M.Ed., University of Cincinnati; Ph.D., University of Southern California

Rice, Michael — 1988, Associate Professor of Nursing — B.S.N., Mount Marty College; M.S.N., University of Nebraska; Ph.D., University of Arizona

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Richter, Donald — 1998, Associate Professor of Engineering Technology and Multimedia Design — B.S., Ohio State University; M.S., University of Arkansas

Ridings, Robert — 1988, Associate Professor of English — B.S., University of Wisconsin; M.A., Pennsylvania State University; Ph.D., University of Southern California

Riebe, Christine — 2000, Instructor of Nursing — B.S.N., University of Washington; M.S.N./F.N.P., Seattle Pacific University

Ritter, Preston O. — 1970, Professor of Chemistry/Biochemistry — B.S., University of California; M.S., Ph.D., University of Wisconsin

Roberts, Judith L. — 2001, Library Associate — B.A., University of Washington; M.L.S., University of Washington; M.S.W., California State University

Rodriquez-Marek, Esteban — 2001, Assistant Professor of Engineering Technology and Multimedia Design — B.S., M.Sc., Washington State University

Rolfe, Timothy J. — 1998, Professor of Computer Science — B.A., Mount Angel Seminary; M.S., University of Minnesota; B.S., University of Oregon; M.S., Ph.D., University of Chicago

Ruotsalainen, Robert W. — 1983, Professor of Physics — B.S., University of Washington; M.S., Ph.D., University of Hawaii

Russell, Byron E. — 2000, Associate Professor of Physical Therapy — B.S., Colorado State University; B.S., Texas Tech University Health Sciences Center; M.H.S., University of Indianapolis; Ph.D., Texas Women's University

Russell, Michael R. — 2003, Lecturer in History — B.A., M.A., Western Washington University

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Scholz, Allan T. — 1980, Professor of Biology — B.S., M.S., Ph.D., University of Wisconsin

Schulhauser, Candace E. — 2000, Assistant Professor of Education — B.A., M.Ed., Ph.D., Washington State University

Schuller, Wendy — 2001, Head Women's Basketball Coach — B.A., Fresno Pacific University; M.S., Northwestern State University

Schumann, Lorna — 1982, Associate Professor of Nursing — B.S.N., California State University, Sacramento; M.S.N., University of California, San Francisco; Ph.D., University of Idaho

Schustrom, William C. MAJ. — 2003, Lecturer in Military Science — B.A., University of Montana; M.S.E., Long Island University

Schwab, Suzanne M. — 1983, Professor of Biology — B.A., State University of New York; M.S., Colorado State University; Ph.D., University of California, Riverside

Schwartz, Robert G. — 2002, Professor of Management and Distinguished Professor of Entrepreneurship — B.S.L.A., Illinois Institute of Technology; Ph.D., Iowa State University

Scott, Paulette — 1983, Professor of English — B.A., Marquette University; M.A., Ph.D., Indiana University

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Sen, Achin — 1984, Professor of Physics — B.S., M.S., St. Xavier's College (Calcutta University); Ph.D., Columbia University

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Severinghaus, Jack — 1991, Student Counselor — A.B., Indiana University; M.S., University of Idaho; Ph.D., Washington State University

Severtsen, Billie M. — 1975, Associate Professor of Nursing — B.S., Gonzaga University; M.A., Columbia University; Ph.D., Gonzaga University

Shapiro, Howard M. — 1970, Professor of Accounting — B.S., Syracuse University; M.S., University of Massachusetts; C.P.A., Washington and Massachusetts

Shervais, Stephen — 1999, Assistant Professor of Management Information Systems — B.A., M.A., San Jose State College; M.S., University of Denver; Ph.D., Portland State University

FACULTY DIRECTORY

Sherwood, Frances — 1998, Associate Professor of Education — B.Ed., M.Ed., Ph.D., University of Alberta, Edmonton

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Shovic, John C. — 2003, Visiting Professor of Computer Science — B.S., M.S., Montana State University; Ph.D., University of Idaho

Simmons, Steven M. — 1969, Professor of Computer Science — B.A., Reed College; M.S., Ph.D., University of Oregon

Simonsen, Flint L. — 2000, Associate Professor of Counseling, Educational and Developmental Psychology — B.S., Eastern Washington University; M.S., Northeastern University; Ph.D., University of Oregon

Sinekopova, Galina — 2001, Lecturer in Communication Studies — Graduate Honors Degree, Kuibyshev State University, Russia; M.S., Eastern Washington University; Ph.D., Odessa State University, Ukraine

Sircar, Parthasarathi — 1987, Professor of Physics — B.S., M.S., University of Calcutta; Ph.D., University of Paris

Slack, Edward R., Jr. — 2002, Assistant Professor of History — B.A., M.A., Pennsylvania State University; Ph.D., University of Hawaii, Manoa

Small, Jeanne R. — 1991, Professor of Chemistry/Biochemistry — B.S., Trinity University; A.M., Ph.D., Harvard University

Smith, Grant W. — 1968, Professor of English and Humanities — B.A., Reed College; M.A., University of Nevada; Ph.D., University of Delaware

Smith, Marvin E. — 1984, Professor of Electronic Media and Film — B.A., Trinity University; M.A., University of Texas, Austin

Soltero, Raymond A. — 1971, Dean, College of Science, Mathematics, and Technology and Professor of Biology — B.S., M.S., Ph.D., Montana State University

Spatz, Gregory — 1998, Assistant Professor of English/Creative Writing — B.A., Haverford College; M.A., University of New Hampshire; M.F.A. Iowa Writers' Workshop

Spuck, Janet — 1992, Instructor of Nursing — B.S.N., Lewis and Clark College, Portland, OR; M.S.N., Oregon Health Sciences University

Stafford, Jeffrey L. — 1990, Professor of Communication Studies— B.S., M.S., Kansas State University; Ph.D., University of Kansas

Stanley-Weigand, Pamela A. — 1983, Professor of Business Communications and Administrative Office Management — B.A., M.Ed., Eastern Washington University; Ed.D., Arizona State University

Stearns, Susan A. — 1990, Professor of Communication Studies — B.A., M.A., California State University-Fresno; Ph.D., University of Oklahoma

Steele, Richard D. — 2002, Visiting Associate Professor of Computer Science — B.S., Stanford University; M.A., Ph.D. Harvard University

Steenhuis, Harm-Jan — 2002, Assistant Professor of Management — M.Sc., Ph.D., University of Twente, The Netherlands

Steiner, Henry-York — 1968, Professor of English — B.A., Grinnell College; M.A., Yale University; Ph.D., University of Oregon

Steiner, Stuart — 2001, Lecturer in Computer Science — B.S., Montana State University; M.S., Eastern Washington University

Stephens, Lynn M. — 1981, Professor of Accounting — B.S., M.B.A., University of South Dakota; Ph.D., University of Nebraska; C.P.A., Washington

Stern, Leonard D. — 1980, Professor of Psychology — B.A., Colby College; M.A., Ph.D., University of Oregon

Stewart-Strobelt, Jody — 2002, Lecturer in German — B.A., Washington State University; M.Ed., St. Martin's College

Stimson, William L. — 1989, Professor of Journalism — B.A., Eastern Washington University; M.A., Ph.D., Washington State University

Stirling, Robert W. — 2002, Lecturer in Social Work (Washington Title IVE Field Unit Instructor) — B.A., M.S.W., Eastern Washington University

Stolberg, Rebecca — 1998, Associate Professor of Dental Hygiene — B.S., Eastern Washington University; M.S., University of Missouri

Stordahl, James W. CPT — 2001, Lecturer in Military Science — B.S., DeVry Institute of Technology, Phoenix

Stradling, Teiko K. — 2002, Lecturer in Japanese — B.A., Kyoritsu College of Pharmacy, Tokyo, Japan; B.A., M.S., Eastern Washington University; M.A., Whitworth College

Stucker, Jennifer R. — 1987, Professor of Social Work — B.A., California State University, Long Beach; M.S.W., University of Hawaii; D.S.W., University of California, Berkeley

Stucky, Mary — 1996, RN/BSN Program Adviser — B.S.N., Creighton University; M.S.N., University of Nebraska College of Nursing

Sullivan, Hugh — 1967, Professor of Mathematics — B.A., M.A., University of Montana; Ph.D., Washington State University

Swain, Debra — 1977, Instructor of Nursing — B.S.N., University of Minnesota; M.S.N., University of Colorado

Tapper, Robert — 1998, Assistant Professor of Music — B.M., University of New Hampshire; M.M., Eastman School of Music

Taudin Chabot, Sean K. — 2003, Assistant Professor of Sociology — B.A., University of Puget Sound; M.A., Boston University, Paris; Ph.D., University of Amsterdam

Terpstra, David E. — 1999, Associate Professor of Management — B.A., Western Washington University; Ph.D., University of Tennessee

Thomson, Jennifer A. — 1996, Associate Professor of Geology — B.S., University of New Hampshire; M.S., University of Maine; Ph.D., University of Massachusetts

Todd, Nancy I. — 1988, Professor of Education — B.A., Washington State University; M.Ed., Western Washington University; Ed.D., University of Washington

Tomes, Yuma I. — 2003, Assistant Professor of Counseling, Educational and Developmental Psychology — B.A., University of North Carolina; M.A., Appalachian State University

Toneva, Elena T. — 2000, Assistant Professor of Mathematics — M.S., Ph.D., University of Sofia, Bulgaria

Trulove, William T. — 1969, Professor of Economics — B.S., M.S., Ph.D., University of Oregon

Turbeville, Daniel E. — 1992, Professor of Geography — B.S., University of South Carolina; M.A., Western Washington University; Ph.D., Simon Fraser University

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Van Winckel, Nance L. — 1990, Professor of English/Creative Writing — B.A., University of Wisconsin; M.A., University of Denver

VanderLinden, Darl W. — 1992, Professor of Physical Therapy — B.S., Iowa State University; Physical Therapy Certificate; M.S., University of North Carolina at Chapel Hill; Ph.D., University of Iowa;

Van Gemert, Freddi — 1984, Instructor of Nursing — B.S.N., Intercollegiate College of Nursing; M.S.N., University of Texas

Wade, Joseph — 1999, Assistant Football Coach — B.S., Linfield College

Wagner, Randel R. — 1998, Assistant Professor of Music — B.M.E., Walla Walla College; M.A., San Diego State University; D.M.A., University of Nebraska-Lincoln

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Walas-Mateo, Guillermina — 1999, Associate Professor of Spanish — Licenciada, National University of Mar del Plata, Argentina; M.A., Ph.D., University of Pittsburgh

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Warren, Stacy — 1992, Professor of Geography — B.A., University of Delaware; M.A., Clarke University; Ph.D., University of British Columbia

Watkins, Philip C. — 1990, Professor of Psychology — B.S., University of Oregon; M.A., Western Baptist Seminary; M.A., Ph.D., Louisiana State University

Weller, Philip J. — 1969, Professor of English — B.A., University of Puget Sound; M.A., Washington State University; Ph.D., Kent State University

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Wichman, Nanette — 2001, Lecturer in English — B.A., University of Oregon; M.A., Ph.D., University of Hawaii

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Winchell, Richard (Dick) G. — 1986, Professor of Urban and Regional Planning — B.A., Wartburg College; M.U.R.P., University of Colorado-Denver Center; Ph.D., Arizona State University

Winkle, Sally A. — 1983, Professor of German and Director, Women Studies — B.A., Knox College; M.A., University of Georgia; Ph.D., University of Wisconsin-Madison

Winters, Patrick — 1987, Professor of Music and Director of Bands — B.S., Elon College; M.A., California State University, San Bernardino

Wood, Mary — 1991, Librarian for Nursing — B.S., Iowa State University; M.S., Simmons College

Wright, Sue M. — 1994, Associate Professor of Sociology — B.A., M.A., Ph.D., University of Oregon

Wulff, Paul — 1994, Head Football Coach — B.A., Washington State University

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Zhu, Liping — 1996, Associate Professor of History — B.A., East China Normal University; M.A., Wichita State University; Ph.D., University of New Mexico

Zinke, Robert C. — 1985, Professor of Public Administration — B.A., Washington State University; M.A., Drew University; Ph.D., New York 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; Ph.D., University of Washington

Zyskowski, Martin J. — 1968, Professor of Music — B.M., M.M., University of Michigan

Emeritus Faculty

James B. Albert — 1968, Professor of Music Emeritus 1997
Margaret M. Allen — 1953, Professor of Education Emeritus 1976
Josè 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
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
Charles C. Bown — 1969, Professor of Finance Emeritus 1995
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 Busskohl — 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
Joseph W. Chatburn — 1959, Professor of Education Emeritus 1978
Thelma L. Cleveland — 1970, Dean, Intercollegiate Center for Nursing Education Emeritus 1997

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Curtis W. Coffee — 1970, Professor of Music Emeritus 1996
Elizabeth L. Cook-Lynn — 1971, Professor of English Emeritus 1990
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
John R. Fahey — 1965, Professor of History and Radio-Television Emeritus 1982
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
Glen O. Fuglsby — 1966, Professor of Technology Emeritus 1989
Robert J. Gariepy — 1968, Professor of English and Humanities Emeritus and Dean, University Honors Program Emeritus 1993
R. Dean Gaudette — 1965, Professor of Education Emeritus and Dean, School of Human Learning and Development Emeritus 1981
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, Mathematics and Technology 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
Bilal Hashmi — 1969, Professor of Sociology Emeritus, 1998
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
William C. Hoekendorf — 1967, Professor of Economics Emeritus and Dean of the College of Letters and Sciences Emeritus 1989
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
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
Frederick M. Lauritsen — 1969, Professor of History Emeritus 2000
Jack R. Leighton — 1953, Professor of Physical Education Emeritus 1981
Mark P. Lester — 1982, Professor of English Emeritus 1999
Tsung-Hua (Jack) Liu — 1970, Professor of Economics Emeritus 2003
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

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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
T. Keith Midgley — 1965, Professor of Education Emeritus 1994
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
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
Arie J. Nyman — 1967, Professor of Psychology Emeritus 1990
Austin A. O'Regan — 1965, Professor of English Emeritus 1982
Gayle S. Orton — 1984, Professor of Dental Hygiene Emeritus 2000
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
Robert W. Reid — 1953, Professor of Education Emeritus 1977
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 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 Salsbury — 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
Alys S. Seifert — 1981, Professor of French Emeritus 2003
Marian Sheafor — 1983, Professor of Nursing Emeritus 1998
William C. Shreeve — 1967, Professor of Education Emeritus 1997
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
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
Irle 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

FACULTY DIRECTORY

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.
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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), ß 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), ß 172-120-010, filed 10/2/87. Statutory Authority: RCW 28B.35.120. 81-06-023 (Order 1-22-81), ß 172-120-010, filed 2/25/81; Order 72-2, ß 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, ß 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, ß 172-120-020, filed 3/4/97, effective 4/4/97; 81-06-023 (Order 1-22-81), ß 172-120-020, filed 2/25/81; Order 72-2, ß 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, ß 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), ß 172-120-030, filed 10/2/87; Order 72-2, ß 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.

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(13) Attempted violations. All attempts to perform acts of misconduct prohibited by this section are also subject to disciplinary action.

(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, ß 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), ß 172-120-040, filed 10/2/87. Statutory Authority: RCW 28B.35.120. 81-06-023 (Order 1-22-81), ß 172-120-040, filed 2/25/81; Order 72-2, ß 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, ß 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), ß 172-120-050, filed 10/2/87. Statutory Authority: RCW 28B.35.120. 81-06-023 (Order 1-22-81), ß 172-120-050, filed 2/25/81; Order 72-2, ß 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

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jurisdiction to the university disciplinary officer or the university disciplinary committee.

[Statutory Authority: RCW 28B.35.120. 97-06-095, ß 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), ß 172-120-060, filed 10/2/87. Statutory Authority: RCW 28B.35.120. 81-06-023 (Order 1-22-81), ß 172-120-060, filed 2/25/81; Order 72-2, ß 172-120-060, filed 5/12/72.]

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, ß 172-120-070, filed 3/4/97, effective 4/4/97; 81-06-023 (Order 1-22-81), ß 172-120-070, filed 2/25/81; Order 76-9-1, ß 172-120-070, filed 9/23/76; Order 72-2, ß 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, ß 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), ß 172-120-080, filed 10/2/87. Statutory Authority: RCW 28B.35.120. 81-06-023 (Order 1-22-81), ß 172-120-080, filed 2/25/81; Order 72-2, ß 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, ß 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), ß 172-120-090, filed 10/2/87. Statutory Authority: RCW 28B.35.120. 81-06-023 (Order 1-22-81), ß 172-120-090, filed 2/25/81; Order 72-2, ß 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, ß 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), ß 172-120-100, filed 10/2/87. Statutory Authority: RCW 28B.35.120. 81-06-023 (Order 1-22-81), ß 172-120-100, filed 2/25/81; Order 72-2, ß 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 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, ß 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), ß 172-120-110, filed 10/2/87. Statutory Authority: RCW 28B.35.120. 81-06-023 (Order 1-22-81), ß 172-120-110, filed 2/25/81; Order 72-2, ß 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, ß 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), ß 172-120-120, filed 10/2/87. Statutory Authority: RCW 28B.35.120. 81-06-023 (Order 1-22-81), ß 172-120-120, filed 2/25/81; Order 72-2, ß 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 implementation 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, ß 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), ß 172-120-130, filed 10/2/87. Statutory Authority: RCW 28B.35.120. 81-06-023 (Order 1-22-81), ß 172-120-130, filed 2/25/81; Order 72-2, ß 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, ß 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), ß 172-120-140, filed 10/2/87. Statutory Authority: RCW 28B.35.120. 81-06-023 (Order 1-22-81), ß 172-120-140, filed 2/25/81; Order 76-9-1, ß 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

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WAC 172-190-010 Purpose.

APPENDICES

The purpose of this chapter is to comply with the requirements of Public Law 93-380, ß 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, ß 172-190-010, filed 12/30/91, effective 1/30/92; Order 75-1, ß 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.

(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, ß 172-190-020, filed 12/30/91, effective 1/30/92; Order 75-1, ß 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, ß 172-190-030, filed 12/30/91, effective 1/30/92; Order 75-1, ß 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, ß 172-190-035, filed 12/30/91, effective 1/30/92; Order 75-1, ß 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 ß 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, ß 172-190-040, filed 12/30/91, effective 1/30/92; Order 75-1, ß 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, ß 172-190-050, filed 12/30/91, effective 1/30/92; Order 75-1, ß 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, ß 172-190-060, filed 12/30/91, effective 1/30/92; Order 75-1, ß 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, ß 172-190-070, filed 12/30/91, effective 1/30/92; Order 75-1, ß 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, ß 172-190-080, filed 12/30/91, effective 1/30/92; Order 75-1, ß 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 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, ß 172-190-090, filed 12/30/91, effective 1/30/92; Order 75-1 ß 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, ß 172-190-100, filed 12/30/91, effective 1/30/92; Order 75-1, ß 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

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(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;

(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;

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(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 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 ESSB 6221, Omnibus AIDS Legislation, adopted by the Washington State Legislature on March 10, 1988, 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 Coordinator, Student Services, Tawanka Commons Room 107

Department of Housing and Residential Life, Showalter Hall Room 122

Substance Abuse Task Force, Showalter Hall Room 117

Body Shop/Fitness Center, Physical Education Activities Building (The Phase), Room 270

Health Education Department, Physical Education Classroom Building Room 236

Office of Enrollment Management, Undergraduate Advising, Sutton Hall

Graduate Studies Office, Showalter Hall Room 206

AIDS Policy

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.

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-

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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 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.

ADOPTED BY THE EWU BOARD OF TRUSTEES, APRIL 23, 1987

600-090-080 Sexual Harassment Complaint Procedure. Ideally, persons who believe they have been sexually harassed should communicate that to the perceived offender as soon as possible; however, because those harassed may find it difficult to do so; confidential advice can be provided, upon request, by any one of a list of approved individuals representing a variety of university constituencies. This list is available in the President's Office (SHW 214), Human Resource Services (SHW 314), the Women's Center (MON 207), and the Affirmative Action Office.

At the beginning of each fall quarter, the Affirmative Action Office will call together representatives from the administration, Faculty Organization, the Associated Student Body, exclusive bargaining representatives for classified staff, and administrative exempt employees to constitute this list of trained individuals. This action will be completed within four weeks of the start of the quarter. Copies of the approved list will be distributed to the President's Office, Human Resource Services and the Women's Center.

Any of the contact persons may act as an informal mediator between the complainant and the accused to reconcile the problem at an informal level.

No records will be kept of informal procedures.

Complaints should follow the procedure for filing in the Discrimination Complaint Procedures, Policy Subtopic 600-090-040. Alternatively, faculty may file sexual harassment grievances under the Faculty Employment Policies. Classified staff employees may alternatively file sexual harassment grievances under the procedures provided in supervisory and non-supervisory bargaining unit agreements with the University. This procedure shall not abrogate any appeal procedures under existing State law or University policy.

A complainant may also file a complaint with federal and state agencies, such as:

Washington State Human Rights Commission
905 Riverside, Suite 416
Spokane, WA 99201
(509) 456-4473

U.S. Office for Civil Rights
Department of Education
2910 3rd Avenue, Mail Stop 106
Seattle, WA
(206) 442-1636

Office of Federal Contract Compliance
Room 3038, Regional Office or
Room 1104, Area Office
909 First Avenue
Seattle, WA

Equal Employment Opportunity Commission
1321 2nd Avenue, 7th Floor
Seattle, WA 98101
(206) 442-0968

U.S. Department of Labor
Wage and Hour Division
909 First Avenue, Room 1068
Seattle, WA

ADOPTED BY THE EWU BOARD OF TRUSTEES, APRIL 23, 1987

As amended, March 23, 1990.
As amended, June 28, 2004.

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.

New Policy:

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 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. _____ (2003)

HERE'S A LIST OF STUDENT SERVICES/OFFICES PHONE NUMBERS AT EASTERN:

Accounting	358-2234
Admissions	359-2397
Academic Advising	359-2345
African American Educ. Prog.	359-2205
Alcohol/Drug Studies Program	359-6265
Alumni	235-5034
American Indian Studies Program	359-2441
Anthropology	359-2433
Art	359-2494
Associated Students	359-2514
Athletics	359-2463
Baldy's	359-2309
Biology	359-2339
Body Shop	359-2639
Bookstore-Cheney	359-2542
Bookstore-Spokane	623-4365
Business & Public Administration	359-4245
Campus Hairstyling	359-7840
Campus Operator	359-6200
Campus Security	359-6300
Career Services	359-2221
Chemistry/Biochemistry	359-2447
Chicano Education Program	359-2404
College Instruction Program	359-7021
Communication Disorders	359-6622
Communication Studies	359-2313
Computer Lab PUB	359-6650
Computer Lab Riverpoint	358-2286
Computer Lab Spokane	623-4340
Computer Science	359-6260
Counseling Center	359-2366
Counseling Educ. & Dev. Psy.	359-2827
Creative Writing Program	623-4221
Criminal Justice	359-2335 or 359-2209
Dean of Students	359-2292
Dental Hygiene	368-6510
Distance & Extended Learning	359-2268
Disability Support Services	359-6871
EagleCard	359-6184
Easterner	359-6270
Economics	359-2281
Education	359-2232
Electronic Media, Theatre & Film	359-6390
English	359-2401
English as a Second Language/Teaching	359-7359
English Language Institute	359-2482
Financial Aid & Scholarships	359-2314
Focus	359-2514
Geography & Anthropology	359-2433
Geology	359-2286
Government	359-2362
Graduate Studies Office	359-6297
Health Education Program	359-4308
Health, Wellness & Prevention	359-4279
History	359-2337
Honors Program	359-2822
Housing/Residential Life	359-2451
Humanities	359-6023
Internship Office	359-4637
Interdisciplinary Studies	359-2402
International Student Program	359-2331
Intramural Sports	359-7877
Journalism	623-4347
Library-Cheney	359-6263
Library-Riverpoint	358-7930
Lost & Found & (Univ. Police)	359-6300
Management Information Systems	358-2285
Management	358-2254
MARS Lab	359-4875
Masters in Business Administration	358-2270
Mathematics	359-6225
McNair Scholars	359-2471
Military Science	359-2386
Modern Languages & Literature	359-2481
Music	359-2241
Natural Science	359-6512
Occupational Therapy	368-6560
Orientation	359-6843
Outdoor Prog. Office	359-7920
Parking	359-6448
Philosophy	359-7064
Physical Education, Health & Recreation	359-2341
Physical Therapy	368-6601
Physics	359-2334
Police	359-6300
President	359-2371
Psychology	359-2478
PUB (Pence Union Building)	359-7921
Public Administration	358-2248
Records & Registration	359-2321
Residential Life	359-2451
Riverpoint	358-2200
Riverpoint Student Services	368-6506
Rockwood Clinic-Cheney	755-6520
ROTC	359-2386
Running Start Office	359-6060
Radio TV	see Electronic Media
SIRTI	358-2010
Social Work & Human Services	359-2283
Sociology	359-2335
Spokane Center	623-4200
Sports & Rec. Center	359-2206
STAR Program	359-6843
Student Activities	359-7919
Student Affairs	359-6015
Student Employment	359-6365
Student Financial Services	359-6372
Student Health	359-4279
Studies Abroad	359-2442
Technology	359-2436
Theatre	359-2459
Transcripts	359-4871
Urban & Regional Planning	358-2230
Veterans Services	359-6592
Women's Studies	359-2847

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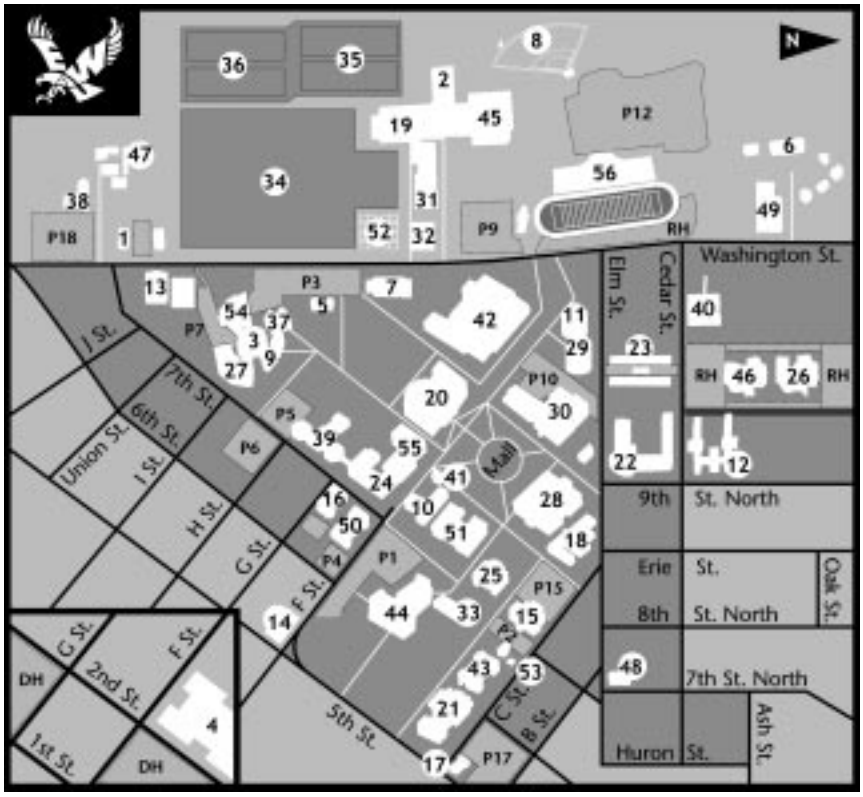
Campus Map

1. Anna Maria Apartments (AMA)
2. Aquatics Building (AQ)
3. Art Building (AR)
4. Brewster Hall (BRH)
5. Cadet Hall (CD)
6. Central Stores (CES)
7. Cheney Hall (CN)
8. Chissus Field (CBF)
9. Communications Building (CM)
10. Computer Science Building (CS)
11. Dressler Hall (DRE)
12. Dryden Hall (DRY)
13. EWU Children's Center (ECC)
14. Governor Martin House (GMH)
15. Hargreaves Building (HR)
16. Holter House (HOL)
17. Indian Education Center (IE)
18. Isle Hall (IL)
19. Jim Thorpe Fieldhouse (JF)
20. JFK Library (JK)
21. Kingston Hall (KG)
22. Louise Anderson Hall (LA)
23. Married Student Court (MSC)
24. Martin Hall (MR)
25. Monroe Hall (MN)
26. Morrison Hall (MOR)
27. Music Building (MS)
28. Patterson Hall (PT)
29. Pearce Hall (PRC)
30. PUB (Bookstore) (PB)
31. P.E. Activities (PHASE) (PA)
32. P.E. Classroom (PC)
33. Plant Utilities (PLU)
34. Playfield 1 (PF1)
35. Playfield 2 (PF2)
36. Playfield 3 (PF3)
37. Radio-TV Building (RV)
38. Red Barn (Info, Police) (RDB)
39. Robert Reid Lab School (RR)
40. Rozell Plant (ROZ)
41. Schoolhouse (Cheney Normal School Heritage Center) (SCH)
42. Science Building (SC)
43. Senior Hall (SN)
44. Showalter Hall (SW)
45. Special Events Pavilion (PV)
46. Streeter Hall (STR)
47. Student Family Housing (SFH)
48. Student Health Center (SHC)
49. Surbeck Services (SUR)
50. Sutton Hall (ST)
51. Tawanka Commons (TK)
52. Tennis Courts (TC)
53. University House (UNH)
54. University Theatre (TH)
55. Williamson Hall (WM)
56. Woodward Stadium (WF)

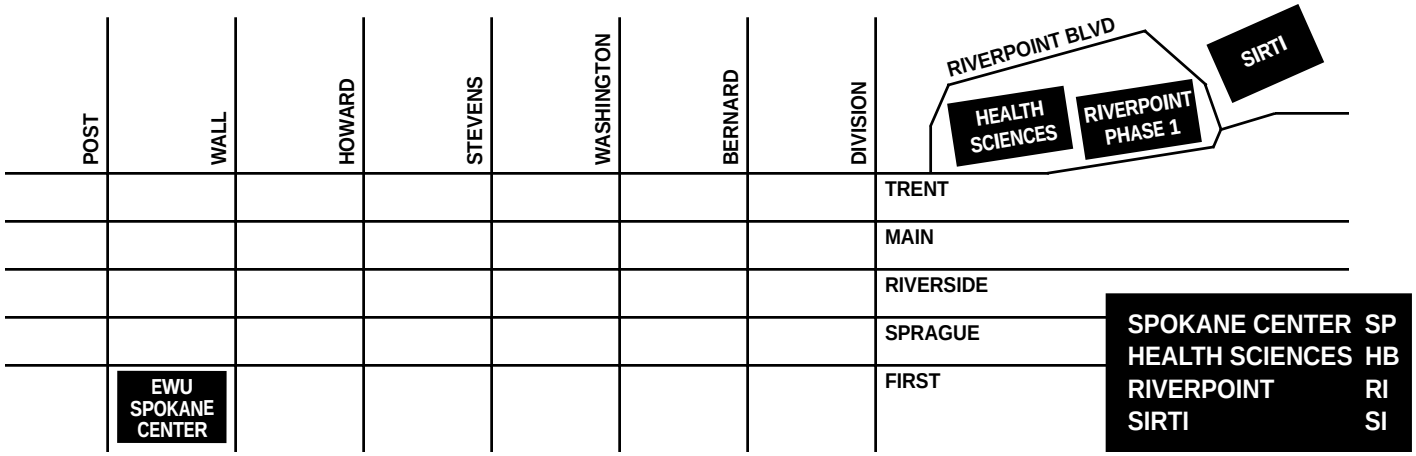


Parking Information:

LOT NUMBER	PERMIT SPACES	METER SPACES
P1	74	24
P3	122	82
P5	50	15
P6	43	14
P7	38	12
P9	117	48
P10	43	35
P12	FREE	FREE
P13	313	8
P15	72	25
P15C	21	0
P16	329	0
P17		
P18	201	0

All parking lots are indicated on the map by surrounding dotted lines.

Spokane Facilities Map

Eastern Washington University — in Cheney at the main campus and in downtown Spokane at the Riverpoint Campus and the Spokane Center.

Eastern Washington University students can attend classes at one of three locations: (1) the Cheney Campus, (2) The Riverpoint Campus located in downtown Spokane along the Spokane River and (3) at the Spokane Center at 1st and Wall in downtown Spokane.