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Every effort has been made to assure the accuracy of this catalog to the extent possible at press time. However, changes in or elimination of provisions contained herein on any and all matters, including courses, course descriptions, designations of faculty, fees, and other charges, admission and degree requirements, and academic policies and procedures, may be made and applied before the next catalog is published. Students should contact the appropriate department head, dean, or other administrative office for current information.

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ACADEMIC CALENDAR

Fall Semester 2003

August 1, Friday

August 14, Thursday, 4-6 30 p m
August 16, Saturday, 9 a m

August 17, Sunday
August 17, Sunday, 10 a m
August 18, Monday
August 19, Tuesday
August 20, Wednesday, 9-4 p m

August 21, Thursday
August 21-27, Thursday-Wednesday
August 30-September 1, Saturday-Monday
September 2, Tuesday, 8 a m
October 9-12, Thursday-Sunday
October 13, Monday, 8 a m
October 16, Thursday
October 17, Friday

October 27-November 14, Monday-Friday
November 25, Tuesday

November 26-30
  Wednesday, 8 a m -Sunday
December 1, Monday, 8 a m
December 5, Friday
December 6-12, Saturday-Friday
December 12, Friday, 5 p m
December 13, Saturday, 2 p m
December 14, Sunday
December 15, Monday

Spring Semester 2004

January 8, Thursday, 4-6 30 p m
January 8, Thursday, 9 a m
January 8, Thursday
January 9, Friday, 9 a m -4 p m
January 12, Monday, 8 a m
January 12-16, Monday-Friday

Class schedules of all undergraduate students who preregistered and have not paid fees (including delinquent charges) will be cancelled
Registration in Asheville
Residence halls open to only freshmen

Orientation for new and transfer students
Residence halls open to all students
Orientation for new and transfer students
Registration and drop/add in Cullowhee
Registration and drop/add in Cullowhee continues
All classes begin at 8 00 a m
Late registration and schedule changes
Labor Day holiday

Classes resume
Fall holiday
Classes resume
Last day to drop a course with a “W”
Last day for students completing programs in May to file degree application in dean’s office
Academic advisement for spring semester and early registration in Cullowhee
Last day to withdraw from a course for mental health, medical, legal, or administrative reasons
Thanksgiving holiday

Classes resume
Last day of classes
Final examinations
Residence halls close for break
Commencement
Christmas holiday begins
Class schedules of all undergraduate students who preregistered and have not paid fees (including delinquent charges) will be cancelled
Registration in Asheville
Residence halls open for all students
Orientation for new students
Registration and drop/add in Cullowhee
All classes begin
Late registration and schedule changes
January 19, Monday

March 4, Thursday

March 4, Thursday

March 6-14, Saturday-Sunday

March 15, Monday, 8 a.m.

March 22-April 13

Monday-Tuesday

April 8-11, Thursday-Sunday

April 12, Monday, 8 a.m.

April 23, Friday

April 30, Friday

May 1-7, Saturday-Friday

May 7, Friday, 5 p.m.

May 8, Saturday, 2 p.m.

Summer Term 2004

May 10-July 6, 8 a.m.-5 p.m. Monday-Tuesday

June 1, Tuesday, 9 a.m.-4 p.m.

June 2, Wednesday, 8 a.m.

June 2, Wednesday-August 5, Thursday

June 2, Wednesday-July 2, Friday

July 2, Friday

July 5, Monday

July 6, Tuesday, 9 a.m.-4 p.m.

July 6, Tuesday, 8 a.m.

July 6, Tuesday-August 5, Thursday

August 5, Thursday

August 6, Friday, 7 p.m.

TELEPHONE NUMBERS

Food Services 227-7396
Fraternities, Sororities, Clubs 227-7206
General Student Information 227-7234
Housing 227-7303
International Students 227-7234
Orientation 227-3446
Registrar, Student Records, Transcripts 227-7232

Colleges

College of Applied Sciences 227-7271
College of Arts and Sciences 227-7646
College of Business 227-7412
College of Education and Allied Professions 227-7311
Graduate School 227-7398
Honors College 227-7383
Veterans Affairs 227-7232
Western Carolina University is a comprehensive university within The University of North Carolina, offering a broad array of undergraduate and graduate programs in the arts, sciences, and professions. The university serves the people of North Carolina from its residential main campus at Cullowhee, situated between the Blue Ridge and Great Smoky Mountains, and through its resident credit programs in Asheville and Cherokee.

Mission

Teaching and learning constitute the central mission of Western Carolina University. The university seeks to create a community of scholarship in which the activities of its members are consistent with the highest standards of knowledge and practice in their disciplines.

The commitment of the community to service, research, and creative activities complements the central mission and extends the benefits of its scholarship to society. As a major public resource for Western North Carolina, the university assists individuals and agencies in the region through the expertise of its faculty, its staff, and its students.

Aspirations

Western Carolina University aspires to provide an environment in which students, faculty, and staff jointly assume responsibility for learning where the free exchange of ideas, and in which intellectual challenge, and high standards of scholarship prevail.

The university prepares students to become contributing and informed citizens in a global community. By working both independently and collaboratively, graduates of the university have demonstrated the knowledge, skills, and attitudes of an educated person, including:

- the ability to think critically, to communicate effectively, to identify and resolve problems reflectively, and to use information and technology responsibly,
- proficiency in the intellectual and technical skills of a disciplined study in the arts, sciences, or professions,
- an appreciation for the creative and performing arts, and
- a basis for continued personal development and lifelong learning.

To encourage and protect the free and open interchange of ideas, the university strives to provide experiences that foster the development of respect among all its members toward the larger communities of which it is a part. Accordingly, the University encourages its students, faculty, and staff to display the following traits of citizenship:

- behavior characterized by honesty, integrity, and responsibility,
- service to others,
- awareness of and sensitivity to the concerns of diverse people and cultures, and
- commitment to stewardship of the natural and cultural environment.

Location

Western Carolina University is located in the scenic Appalachian mountain ranges at Cullowhee, North Carolina. The university consists of the main campus in Cullowhee and resident credit centers in Asheville and Cherokee. A faculty of about 335 serves a student body of over 7,000 in resident-credit and extension classes.

The Cullowhee campus is in a rural valley between the Blue Ridge and Great Smoky Mountains, fifty-two miles west of Asheville and seven miles south of Sylva on North Carolina Highway 107. The location, at the southern end of Cullowhee Valley in the heart of the Tuckaseigee River basin, gives it an unusually attractive setting. The closest commercial airport to the university is located in Asheville, and there is airline service to Asheville. Private taxi service is available.

The central campus consists of about 233 acres, including beautifully wooded areas and modern academic, student residence, recreation, and athletic facilities. The Blue Ridge Parkway, Great Smoky Mountains National Park, Cherokee Indian Reservation, Fontana
Lake, and numerous resort areas offer golfing, skiing, fishing, hunting, hiking, water sports, and other recreational opportunities nearby.

Governance

Western Carolina University, a constituent institution of The University of North Carolina, functions under the jurisdiction of the Board of Governors of The University of North Carolina and the Board of Trustees of Western Carolina University. Policies of the Board of Governors are administered by the president and the General Administration of The University of North Carolina. The Board of Trustees receives its authority by delegation from the Board of Governors.

The chancellor is the chief administrative officer of the university. The Faculty Senate, the principal policy-recommending body of the faculty, operates under the provisions of a faculty constitution and bylaws.

Accreditation

Western Carolina University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097, telephone number 404-679-4501) to award bachelor’s, master’s, education specialist’s, and doctor’s degrees. In addition to this institutional accreditation, other special accreditation by appropriate agencies includes these:

- AACSB International - The Association to Advance Collegiate Schools of Business
- American Chemical Society
- American Dietetic Association
- American Speech-Language-Hearing Association
- Commission on Accreditation of Allied Health Education Programs in cooperation with the Council on Accreditation of the American Health Information Management Association, and the Joint Review Committee on Educational Programs for the Emergency Medical Professions.
- Commission on Accreditation in Physical Therapy Education
- Commission on Collegiate Nursing Education
- Council for Accreditation of Counseling and Related Educational Programs
- Council on Social Work Education
- Foundation on Interior Design Education Research (FIDER)
- National Accreditation Council for Environmental Health Science and Protection
- National Accrediting Agency for Clinical Laboratory Sciences
- National Association of Schools of Music
- National Council for Accreditation of Teacher Education
- National Council for Teachers of English
- National Kitchen and Bath Association Endorsement
- North American Society for Sport Management/National Association of Sport and Physical Education
- North Carolina Board of Nursing
- North Carolina Criminal Justice Education and Training Standards Commission
- North Carolina Department of Public Instruction
- Project Management Institute
- Technology Accreditation Commission of the Accreditation Board for Engineering and Technology, Inc (Manufacturing Engineering Technology and Electronics Engineering Technology)

The university is a member of appropriate state and national associations and organizations to which its professional programs are related. These include but are not limited to:

- Academy of Criminal Justice Sciences
- American Association of Colleges for Teacher Education
- American Association of Colleges of Nursing
- American Association of Higher Education
- American Association of State Colleges and Universities
- American Council on Education
- American Society of Allied Health Professions
- Association for Theatre in Higher Education
Academic Programs

A varied academic program is offered by the university’s five colleges. Through the Graduate School, the university offers graduate degree programs in numerous major areas leading to the master of accountancy, master of arts, master of arts in education, master of arts in teaching, master of business administration, master of health sciences, master of physical therapy, master of project management, master of public affairs, master of school administration, master of science, master of science in nursing, the education specialist in educational leadership, and the doctor of education. The programs leading to these degrees are listed in the Graduate School section of this catalog, and complete information about them is available in the Graduate Catalog of The Record.

The four undergraduate colleges of the university offer programs leading to the bachelor of arts, bachelor of fine arts, bachelor of science, bachelor of science in business administration, bachelor of science in education, and bachelor of science in nursing.

The College of Applied Sciences. Bachelor of science with majors in clinical laboratory sciences, construction management, criminal justice, electrical and computer engineering technology, emergency medical care, engineering technology, environmental health, health information management, hospitality and tourism, industrial distribution, interior design, manufacturing engineering technology, nutrition and dietetics, telecommunications engineering technology and bachelor of science in nursing.

The College of Arts and Sciences. Bachelor of arts with majors in anthropology, art, chemistry, English, German, history, music, philosophy, political science, social sciences, sociology, Spanish, speech and theatre arts, and special studies.

Bachelor of fine arts with majors in art and in theatre.

Bachelor of music is a professional degree that will focus on music performance and commercial and electronic music as concentration areas.

Bachelor of science with majors in anthropology, biology, chemistry, communication, computer science, geology, history, mathematics, natural resources management, political science, social sciences, social work, sociology, and special studies.
The College of Business. Bachelor of science in business administration with majors in accounting, business administration and law, computer information systems, entrepreneurship, finance, management, marketing, and bachelor of science with a major in international business.

The College of Education and Allied Professions. Bachelor of science in education with majors in communication disorders, elementary education, general special education, middle grades education, and physical education.

In collaboration with the College of Arts and Sciences Bachelor of science in education with majors in art, comprehensive science, English, French, German, mathematics, music, social sciences, and Spanish.

Bachelor of science with majors in birth-kindergarten, parks and recreation management, psychology, recreational therapy, and sport management.

The Honors College. Western Carolina University has the only residential honors college of its kind in North Carolina. The Honors College is a community of high-achieving students who participate in honors courses, special research with faculty, and social activities (planned by a student board). Open to all majors at WCU, the college accepts qualified new students (freshmen or transfers) and students already enrolled at Western. Accepted students are invited to live in one of the two honors residences. Completion of honors work leads to a special diploma from the Honors College. Please see page 79.

The Academic Calendar

Western Carolina University operates on an academic year of two semesters of fifteen weeks each. Additionally, a full array of programs and activities is offered during the summer term. Day classes are scheduled Monday through Friday. Night and Saturday classes, usually meeting once a week, are available in Cullowhee, Asheville, Cherokee, and various other locations. Commencement exercises are held at the end of the fall semester, spring semester, and the second summer session.

Western Carolina University Programs in Asheville

Western Carolina University offers in Asheville, a broad range of instruction at the graduate level and a limited number of advanced undergraduate degree programs in specialized areas. The programs of instruction, intended primarily for the adult professional student, are taught late afternoons, evenings and weekends. Western Carolina utilizes the educational facilities and resources of the University of North Carolina at Asheville.

The graduate programs offered in Asheville include accountancy (MAc), business administration (MBA), comprehensive education with concentrations in elementary education, English education, math education, middle grades education, reading education, social science education, and special education (MAEd), community counseling (MS), educational administration in two-year college (MAEd), educational leadership (EdS, EdD), educational supervision (MAEd), health sciences (MHS), human resources (MS), nursing (MSN), public affairs (MPA), school administration (MSA), school counseling (MAEd), technology (MS), and two-year college teaching (MAEd). Students enrolled in the counseling and certain secondary education and two-year college teaching programs will have to enroll in a few courses offered only in Cullowhee.

Through interinstitutional agreements, a program is available to students in Asheville leading to the bachelor of science in nursing degree from Western Carolina University. Students enrolled in this program must complete their junior year of study on the Cullowhee campus and their senior year in Asheville. Registered nurses who are graduates of an associate degree or diploma program can complete, in Asheville, all remaining requirements for the bachelor's degree. Also, through an interinstitutional partnership with Asheville-Buncombe Technical Community College, most of the course requirements for a bachelor of science...
degree in electrical and computer engineering technology, engineering technology, and manufacturing engineering technology are offered. Upper-level coursework in clinical laboratory sciences is available for students who hold the associate degree in medical technology. Also available in Asheville are courses in criminal justice and special education.

Western Carolina University administers its programs in Asheville through a staff whose offices are located in Room 120, Karpen Hall, on the campus of the University of North Carolina at Asheville. Additional information is available from Western Carolina University Programs in Asheville, 120 Karpen Hall, CPO #2160, UNCA, Asheville, North Carolina 28804-3299, or by telephoning 828-251-6642 or 828-227-7423, or visit the Web site at www.wcu.edu/wcuasheville

Western Carolina University Center in Cherokee

The Western Carolina University Center in Cherokee was established in 1975 in cooperation with the tribal government of the Eastern Band of the Cherokee Indians. The center offers pre-admissions counseling, academic advisement, financial aid, and study skills development services in addition to courses leading toward academic degrees and non-credit courses. The center serves Cherokee and the surrounding communities and is available to all of the people of the region. The office for the Cherokee Center is located on Acquoni Road, 828-497-7920, across from the Cherokee High School.

Hunter Library

Hunter Library considers providing high-quality service to students and faculty as its primary mission. Twelve librarians provide both individualized research assistance and classroom instruction. The library is open more than 110 hours per week during the semester. All electronic resources are available from on or off campus 24 hours per day.

There are 9 major collections that support student and faculty research:

- The general collection consists of over 600,000 volumes. The library also provides access to over 10,000 electronic books.
- The journal and newspaper collections of over 1,200 print subscriptions and 8,000 full-text online journals. The library also provides articles from approximately 25,000 journal titles through its no-charge document delivery service that is available to all students, faculty, and staff.
- The majority of course reserve materials are available online.
- The microfiche and microfilm collection has over 1.4 million pieces, including major historical research collections of primary documents.
- The library is a selective depository for federal documents. Government documents provides access to over 225,000 government documents from both the Federal and the North Carolina governments.
- Special Collections contains manuscript collections, books, photographs and other resources documenting the history of Western North Carolina and Southern Appalachia, the history of the Cherokee Indians, and literary works and papers of Western North Carolina authors.
- The Map Room collection contains more than 12,000 sheet maps and an extensive collection of digital mapping data with Geographic Information Systems (GIS) technology to support it.
- The Media Collection is an extensive collection of audiotapes, CDs, videotapes, DVDs and other media.
- The Curriculum Materials Center maintains collections of state-adopted textbooks, curriculum guides, children's literature and other classroom instructional materials in support of the university's professional education programs.
Access to these collections is provided via a state of the art online library catalog and through 80+ online databases in addition to many other reference tools and library supported web pages. The online catalog is shared with Appalachian State University and the University of North Carolina at Asheville, which provides access to a combined collection of over 950,000 titles. Students, faculty and staff may easily borrow books, journals and media materials from these libraries through a delivery service operated by the three libraries.

Service and Research Centers

Faculty members and students participate in a wide range of service and research activity. The university’s service centers add impetus to the programs of the colleges and departments and provide significant assistance to the region in which the university is located.

Myron L. Coulter Faculty Center for Excellence in Teaching and Learning. The Coulter Faculty Center provides services designed to assist and support all part and full-time faculty and Graduate Teaching Assistants in seeking, achieving and maintaining excellence in their teaching. Training and guidance is available for those who wish to use instructional technology in their teaching. The center also sponsors workshops, presentations, faculty teams, and other activities and events designed to encourage instructors to talk and reflect about effective teaching and exchange creative ideas for enriching student learning. The Center's web site is located at [http://facctr.wcu.edu/](http://facctr.wcu.edu/) and includes a GTA page [http://facctr.wcu.edu/gta.html](http://facctr.wcu.edu/gta.html).

Activities and services most relevant for GTAs include:

- consultation on course syllabi, course development, teaching goals, active learning, and applications of instructional technology
- Faculty Sandbox [http://facctr.wcu.edu/sandbox.html](http://facctr.wcu.edu/sandbox.html), a place where faculty and GTAs can develop instructional materials via computer
- computer classroom orientation and training
  - TEACHING [http://facctr.wcu.edu/discussion.html](http://facctr.wcu.edu/discussion.html), an email discussion list for faculty and GTAs on any aspect of teaching and learning
  - Schedule [http://facctr.wcu.edu/learningops.html](http://facctr.wcu.edu/learningops.html) of semester presentations and workshops
  - Open Classrooms Project [http://facctr.wcu.edu/openclassroom.html](http://facctr.wcu.edu/openclassroom.html) where faculty and GTAs have the opportunity to observe faculty teaching classes
  - Videotaping of classes upon request
  - Training in the use of WebCT to enhance classroom courses
- Faculty Forum [http://facctr.wcu.edu/forum.html](http://facctr.wcu.edu/forum.html), a monthly publication featuring evocative opinion pieces of WCU faculty
  - MountainRise, an eJournal on the scholarship of teaching and learning
  - Renaissance of Teaching and Learning Booklet Series published each semester
- a lending library of professional literature on college teaching that is located in Hunter Library 240

The Coulter Faculty Center can be reached at 828-227-7196.

Center for Regional Development. Western Carolina University’s Center for Regional Development (CRD) is a service and technical assistance unit that extends the resources of the university to the region. Through planning, research, data collection and analysis, specialized training, conferences, and workshops, the CRD serves as a catalyst for economic development and community capacity building. University staff, faculty members, and
students serve business and industry, educational organizations, local governments, non-profit agencies, and community-based organizations in Western North Carolina. Components of the CRD include a Federal Economic Development Administration University Center (which offers data research and technical assistance in economic development projects and community capacity building initiatives), Western North Carolina Tomorrow (a citizenship, leadership, and education organization which addresses issues affecting the future of the mountain region), and the Smoky Mountain Development Corporation (which manages a small business incubator and administers the Small Business Administration’s 504 Loan Program for ten counties).

**International Programs and Services.** The Office of International Programs and Services (IPS) coordinates and supports many types of international programs and activities at Western Carolina University, such as student and faculty exchanges through the International Student Exchange Program (ISEP), the University of North Carolina Exchange Program (UNC-EP), and WCU bilateral program, K-12 International Outreach Program to the public schools, Phi Beta Delta Honor Society for International Scholars, international university linkages, the Japan Global Partnership Program, and academic programming. IPS also assists the Host Family Association, the International Club, and the annual International Festival. In addition, IPS serves as the headquarters of the Center for PVO/University Collaboration in Development, an association of more than thirty universities and private voluntary organizations cooperating in development activities throughout the world.

**Mountain Heritage Center.** The center collects, interprets, and disseminates knowledge about the southern Appalachian region and its people. Its research and artifact collections promote public awareness of the region’s rich natural and cultural heritage using publications, exhibitions, and demonstrations presented both on campus and throughout western North Carolina. The center also collaborates with public schools in preparing programs for educational enrichment and provides a learning experience for university students through internships.

**Reading Center.** In conjunction with academic programs for the preparation of elementary, middle grade, special education and reading teachers, the Reading Center in the College of Education and Allied Professions provides assessment of reading strategies and an enrichment program for school-age children, as well as enrichment activities and reading improvement courses for college students. A resource room in the center provides literature, mathematics, social studies, and science materials, as well as teacher resources of many kinds. The staff provides consulting services, conducts workshops and conferences, and provides a variety of reading services for public schools in the area. The center is located in Room 143 of the Killian Building on the campus in Cullowhee.

**University Writing Center.** A staff of graduate assistants and undergraduate peer tutors is available to assist students in developing skills for preparing essays, term papers, creative writing assignments, articles for publication, and other writing projects. Faculty members are encouraged to refer students to the center for general development of writing skills. Beginning with the writer’s initial ideas, tutors can help with brainstorming, prewriting, drafting, and revising. By offering the writer workable strategies, the tutor moves the student toward self-sufficiency. In addition to one-on-one tutorial help, the center regularly offers handouts, called mini-courses, tailored to specific writing needs. The center is located in Hunter Library. Visit the center’s Web site at www.wcu.edu/writingcenter for hours, online resources, staff information and helpful links. For more information, or to make an appointment, call 828-227-7197.

**Mathematics Tutoring Center.** A student peer-tutoring program is staffed by undergraduate and graduate mathematics students. Tutoring is available on a drop-in and individual appointment basis. Tutoring is offered in all lower-division undergraduate mathematics courses and beginning computer science courses. Tutoring experience is provided as a practicum for students majoring in mathematics education. The tutoring center has a small library of supplementary materials, including textbooks, computer-assisted instruction materials, and a few current periodicals in mathematics and computer science. The center is located in 316 Stillwell Building.
Developmental Evaluation Center  The Developmental Evaluation Center in the College of Education and Allied Professions is a service agency for the seven counties of Cherokee, Clay, Graham, Haywood, Jackson, Macon, and Swain, including the Eastern Band of the Cherokee Indians. Projects are variously funded by the North Carolina Department of Health and Human Services, Division of Public Health, the Smoky Mountain Center for Mental Health, Developmental Disabilities, and Substance Abuse Services, community agencies, and Western Carolina University. The center provides developmental evaluation, recommendations for services, treatment, and guidance for newborns, infants, toddlers. Special services are provided or located, if necessary. The center affords opportunities for training and research relevant to the university’s academic programs in birth through kindergarten teacher licensure, child and family studies, communication disorders, counseling, elementary education, health information management, health services management, nursing, nutrition and dietetics, physical therapy, psychology, recreational therapy, social work, and special education.

Speech and Hearing Center. The Speech and Hearing Center’s (SHC) fundamental mission is to provide quality clinical education for undergraduate and graduate students majoring in the discipline of communication disorders. As a critical adjunct, the SHC provides diagnostic, treatment, and consultative services to citizens with known or suspected speech, language, and/or hearing disorders in its catchment area of western North Carolina. The SHC also strives to serve as a community resource for allied professionals and agencies requiring information about human communication and its disorders. The center derives its strength from a combined academic/clinical orientation that directly fosters the delivery of state-of-the-art services. The SHC’s services are available to persons of all ages. In addition to traditional speech/language/hearing services, the SHC offers the following:

- newborn hearing screening
- otoacoustic emission diagnostic testing
- brain stem evoked response screening for newborns
- augmentative communication evaluation
- interdisciplinary evaluation
- assistance with assistive technology
- training on various topics related to communication disorders

Highlands Biological Station  The Highlands Biological Station is a field station for biological research and education in the Southern Appalachian Mountains. The station is an interinstitutional center of The University of North Carolina. Thirty-four colleges and universities participate in the station’s programs as member institutions. The station is located on the crest of the Blue Ridge Mountains about thirty miles south of Cullowhee. It lies within an area of high biotic and environmental diversity and is ideally situated for a variety of field studies. Its facilities are open to graduate students and senior investigators who are engaged in research on the plants, animals, and environments of the Southern Appalachian region. The station offers courses each summer at the advanced undergraduate and graduate level. It also offers a fall semester-in-residence program in cooperation with the Carolina Environmental Program at UNC Chapel Hill. Students from Western are encouraged to apply, but space is limited and applications must be received by January of the year in which participation is anticipated. The station maintains a well-equipped laboratory, housing for students and investigators, and a dining hall. A grant-in-aid program provides financial assistance to graduate students conducting thesis research on the biota of the region.

Further information is available from the Executive Director, Highlands Biological Station, P O Box 580, Highlands, North Carolina 28741, 828-526-2602, http://www.wcu.edu/hibio

Mountain Aquaculture Research Center. The center was established within the College of Arts and Sciences at Western Carolina University in 1988. Its mandate is to foster biotechnologically-based research to support the economic sustainability of the aquaculture industry in Western North Carolina. Research activities of the center are of both a basic and an applied nature. They are conducted using fish-rearing facilities located in the Natural Sciences Building on campus and at the Lonesome Valley Aquaculture Research Station in Cashiers, North Carolina, and in collaboration with faculty and students in the Departments.
of Biology, and of Chemistry and Physics with the North Carolina Cooperative Extension Service, and with the commercial trout industry. Areas of research interest include culture characteristics of all-female and/or triploid rainbow and brook trout, identification of biochemical measures and DNA markers associated with sex, stress, and disease resistance, and other genetic traits of commercial interest, and monitoring impact and control of fish farm effluents.

Center for Mathematics and Science Education The Center for Mathematics and Science Education in the College of Education and Allied Professions is one of ten centers comprising the North Carolina Mathematics and Science Education Network. The purpose of the center and network is to improve mathematics and science instruction in public and private schools by providing instructional activities for teachers, and courses leading to certification in mathematics and/or science and to conduct basic research.

Office for Rural Education. The Office of Rural Education in the College of Education and Allied Professions helps rural elementary and secondary schools improve the quality of their programs by conducting various types of studies, performing practical classroom research, providing instructional and administrative support services, and assisting in identifying alternative types of funding and instruction. The office also sponsors summer residential programs including youth leadership institutes and a program for the gifted.

Office of the CIO. The Office of the Chief Information Officer (CIO) is responsible for providing information technology (IT) services to the entire campus community. These services provide access to computing resources that students, faculty members, administrators, and staff members need as they learn and apply the products of learning, and contribute to the university's community of scholarship. The University is in the process of reorganizing these services and resources campus wide under a new division that provides planning and technical guidance in the integration of varied new and existing campus information technologies. Located in the University Outreach Center and Forsyth Building, the division is headed by the Chief Information Officer (CIO).

The central computing facility uses Compaq Alpha systems to handle core business processing and email. Core business processing on the Alphas includes student records, financial, and alumni systems from Systems and Computer Technology Corporation, and several applications developed by division staff. Email from off campus gets delivered through one of the Alpha systems. All students receive a WCU email account that allows them to communicate with their peers, faculty members, and university offices. The Campus Pipeline portal is the primary tool used by students to access email and other campus and course related news.

There are over 3,000 microcomputers in offices, classrooms, and lab facilities on campus, most connected to the campus network. Student residence halls are on the campus network and have two network ports per room. There are three general student microcomputer lab facilities which are open at least eighty hours per week. The lab located in Hunter Library is open 24 hours from Sunday afternoon through Friday night during fall and spring semesters. The IT division supports both Windows and Macintosh operating systems and various microcomputer application programs. Faculty, students, and staff may call IT Services at 227-7ITS (227-7487) if they need help with any IT services or resources.

Software programming languages on the central system include BASIC, C, FORTRAN, Pascal, COBOL, and MACRO, with Datatrieve and Focus as common report-retrieval languages. Other software that is centrally licensed, but with a limited number of licenses available, include SPSS for Windows and Minitab for Windows. These statistical analysis programs are accessed over the campus network in student labs and computer classrooms. The University of North Carolina has a grant from SAS Institute that makes a wide range of SAS software available for faculty and student use, including at home use. For large research problems and special applications, faculty and students may access the computer resources of the North Carolina Supercomputing Center located in Research Triangle Park, North Carolina.
The campus network connects to the North Carolina Research and Education Network (NC-REN), which provides WCU with access to two-way videoconferences as well as an OC-3 (155-megabit) data path to the Internet. The WCU World Wide Web server at http://www.wcu.edu has general information about Western. The IT Services web site at http://its.wcu.edu provides a variety of useful IT related information. The university is also an active member of EDUCAUSE.

Office of School Services. The Office of School Services in the College of Education and Allied Professions maintains an inventory of campus resources that can be of service to the public schools through technical assistance or research initiatives. The office disseminates information on campus resources, receives requests for assistance from school districts, and directs requests to the appropriate campus resource.

Advising Center. The Advising Center works with all freshmen in academic advisement, course scheduling, and selection of a major. Upon the declaration of a major, students are advised in their academic department, however, their academic adviser in the Advising Center will continue to work with them in areas of university policy and personal advisement. Additionally, the Advising Center offers career planning and programs for students in academic difficulty.

Academic Success Centers. The academic success centers at the university consist of the University Writing Center, the Mathematics Tutoring Center, the Student Technology Assistance Center, and the Catamount Academic Tutoring (CAT) Center. Services are available during fall, spring, and summer semesters and are offered to students without charge.

Student Technology Assistance Center. The Student Technology Assistance Center offers assistance to students based on their individual needs. Students needing help with word processing, spreadsheets, databases, electronic presentations, campus network tools (such as WIN, CyberCat Pipeline, VAX/VMS, etc.), or the Internet (such as web browsers, newsgroups, e-mail, chat, etc.), can stop by or call for an appointment. Although appointments are not required, they can be beneficial for the student by ensuring one-on-one appointment time. Check the Web site at http://www.wcu.edu/techassist/ for more information and for dates and times of workshops.

Catamount Academic Tutoring Center. The Catamount Academic Tutoring (CAT) Center is designed to ensure the academic success of all WCU students by learning resources, skills workshops, and small-group study sessions for 100 and 200-level courses. Study sessions are facilitated by trained peer leaders who have exhibited a mastery of the subject. Students experiencing difficulty in a course for which a study group is not offered should stop by the CAT Center and fill out a “Request for Services” form. Visit the CAT Center website at http://www.wcu.edu/catcenter for more information about all services, including a schedule of workshop offerings.

Testing Services. The Catamount Academic Tutoring Center oversees group administrations for academic tests including the Graduate Record Examination (subject tests), the Praxis Series, Medical College Admission Test, Scholastic Aptitude Test, Law School Admission Test, and the National Counselor Exam. For more information about any of these tests, please contact the CAT Center at 828-227-2273. Administration of the Miller Analogies Test and College Level Examination Program (CLEP) is handled through Counseling and Psychological Services, located on the second floor of Bird Building, 828-227-7469.

Continuing Education and Summer School. Through the Division of Continuing Education and Summer School, the teaching resources of the university are made available to the residents of the region and the state. The division promotes and coordinates noncredit and extension-credit courses and programs as well as the...
university summer session and distance learning Many workshops, institutes, conferences, seminars, and short courses are available for Continuing Education Unit (CEU) credit

Summer School A full summer academic program at the graduate and undergraduate levels is offered in Cullowhee and in Asheville. Special short courses, workshops, and institutes in a number of subjects are available at these locations and in Cherokee. A preliminary schedule is available in early January, and a summer school catalog with updated listing of the courses and programs offered is available in March of each year.

The Outreach Center. The division manages a conference and training center, which is equipped with classrooms, computer labs, and interactive video facilities. The center serves businesses, agencies, and schools in Western North Carolina with continuing professional education workshops and retreats.

Conferences. The division provides support for educational conferences and special events. Experienced staff can help develop budgets, assist in program planning, secure appropriate facilities, arrange for lodging, meals, banquets, and tours, provide brochure design, printing, and mailing service, handle registrations, and manage financial details. Conference participants may be housed in campus facilities or off-campus commercial settings depending on the university calendar and the preference of sponsors.

Continuing Professional Education. With the rapid explosion of new knowledge and technologies, up-to-date information is vital for today's professional. A wide range of opportunities is available for continued learning in many fields. Programs can be tailored to meet specific organizational needs and to assist in corporate training efforts at any site.

Distance Learning. Assistance is provided for all academic and supporting units of the university to extend their resources using a variety of telecommunications technologies. Training and technical support are available to design and deliver academic programs and courses as well as video conferences and meetings to include audiences at distant sites. Distance learning resources include computer conferencing, video conferencing, and correspondence courses.

Listener's Program. The Listener's Program provides persons who are not currently enrolled in a college or a university the opportunity to attend selected undergraduate-level classes on a noncredit basis. Information about eligibility, courses, conditions of class attendance, and permits is available from the Division of Continuing Education and Summer School.

Summer School Programs for Youth. A number of summer programs are available for pre-college students. The Cullowhee Experience is designed to challenge the gifted and talented in grades 5-10, the Legislators' School provides leadership training for youth in grades 7-12, and Summer Ventures provides enrichment in the sciences and mathematics. A ballet camp is offered in collaboration with the Atlanta Ballet. In addition, sports camps and recreational programs are offered.

Speaker's Bureau. The Speaker's Bureau represents administrators, faculty, and staff from all areas of the university who are prepared to share their knowledge and experience with organizations in the region. These men and women are available to provide stimulating programs to corporate or community groups. Arrangements to schedule a speaker should be made through the Division of Continuing Education and Summer School.

Local Government Training Program. Elected and appointed officials across Western North Carolina receive special training and technical assistance in public administration, finance, and law through the Local Government Training Program.
Ramsey Regional Activity Center

The Liston B Ramsey Regional Activity Center, adjacent to E J Whitmire Stadium, is the largest, most versatile public-assembly facility of its kind in Western North Carolina. The center features a main arena seating capacity of more than 8,000 people and houses offices of the Ramsey Center administration, the department of University Athletics, and University Publications, a unit of the Office of Public Information. Through a network of movable curtains, the main arena can be transformed from a major concert venue or sports arena to a more intimate theatrical setting.

The Ramsey Center's multipurpose design and excellent facilities provide for a wide variety of activities ranging from basketball games and major concerts to theatre and television productions, workshops, banquets, receptions, and conferences. A ticket office and several racquetball courts are also located in the Ramsey Regional Activity Center.

Other Offices and Services

Research and Graduate Studies. The university's program to obtain contracts and grants for research and sponsored programs is the responsibility of the Office of Research and Graduate Studies. The office is the source of information about contract and grant possibilities and is the channel through which all faculty and staff proposals are submitted for university approval. The staff assists faculty, staff, and students in the preparation of proposals, including budget development.

University Planning. The Office of University Planning is responsible for coordinating university strategic planning and assessment activities, conducting institutional research, assisting university departments with surveys, and providing university statistical information requested by other agencies. The office is responsible for the publication of the University's Fact Book.

Division of Advancement and External Affairs

The Division of Advancement and External Affairs is responsible for the university's external affairs, including comprehensive public relations, institutional marketing, imaging, and positioning, and alumni affairs programs, and for the development of private financial resources beyond state appropriations. The division supports student recruitment and serves as liaison with regional, state, and national organizations and agencies.

The division includes the offices of Public Information, Development, Alumni Affairs, and Regional Affairs, the Catamount (athletics support) Club and the Mountain Heritage Center, and administratively houses the Western Carolina University Foundation. The Foundation, founded in 1971, promotes the welfare and education goals of the University.

Office of Development. The Office of Development comprises Planned Giving, Major Gift, and Loyalty Fund programs and Special Projects.

Office of Public Information. Public Information is responsible for the administration of university programs in public information and publications. It is the liaison between university personnel and the news media, including newspapers and radio and television stations, it also coordinates the planning and design of all university publications, exhibits, and displays, including those in electronic formats. It is responsible for producing or arranging for production of all university film, video, electronic media, and slide-tape presentations intended for the public.
Office of Regional Affairs  The office of Regional Affairs serves as the University's liaison with local, regional, state, and federal governments and agencies and with regional civic and economic development organizations. The office seeks to enhance relationships and partnerships with public and private entities, supports initiatives to secure funding and legislative priorities, and focuses on local and regional economic development.

North Carolina Center for the Advancement of Teaching

The North Carolina Center for the Advancement of Teaching (NCCAT) was established by the General Assembly of North Carolina in 1985 as a statewide center to recognize and support outstanding North Carolina pre-Kindergarten through twelfth-grade public school teachers and to enhance teaching as an art and profession. The center is located west of the WCU campus. A unit of The University of North Carolina, it is governed by a board of trustees, and its programs and activities are conducted by a professional staff of faculty and administrators.
ADMISSION

Applications for undergraduate admission should be addressed to the Office of Admissions. Inquiries about graduate admission should be directed to the Graduate School. More information on graduate admission will be found in the Graduate School section of this catalog.

Campus Visit. Prospective students and their parents are invited to visit the campus. A visit provides an opportunity to visualize more fully the meaning of attending the university, especially if classes are in session. An appointment to visit should be made by contacting a member of the admissions staff. For more information, call the Office of Admissions at 828-227-7317, or toll-free 1-877-WCU-4YOU.

Applications. Applicants for undergraduate admission must submit (1) a completed application form, (2) application processing fee (see Fees and Financial Aid section), and (3) complete academic records as described below in “Categories of Undergraduate Admission.” The application fee covers the cost of processing the application and is not refundable or applicable toward other charges and payments.

Admitted applicants must complete the immunization form supplied by the Office of Admissions. All materials submitted, including transcripts, become the property of the university and cannot be forwarded or returned.

Admission Dates. Applications may be made for admission to regular terms beginning in August and January, and to summer sessions beginning in June and July. To assure timely processing and to avoid payment of a late registration fee, a completed application should be submitted at least thirty days before the beginning of the semester for which admission is desired. Application deadlines for fall admission vary with a student’s status and are listed in the following pages.

Early Registration for New Students. The Advising Center offers undergraduate students who plan to begin their enrollment in the fall semester an opportunity to complete an early registration form. Information from this form will be used to create an initial schedule for the student. Students are strongly encouraged to attend one of the two-day student orientations held each summer. During orientation, new students are given a general introduction to the university and to campus life. At this time, students will meet with their academic advisor and be given an opportunity to make adjustments to their schedule. A special program of activities for parents of new students is available during each orientation.

Advance Partial Payments. Each undergraduate student who is admitted to Western Carolina University for the fall semester is required to submit an advance partial tuition payment of $100. This payment will be credited to the charges for the first semester of enrollment. There is also an advance partial housing payment of $100 that must be submitted by all new students who plan to live in a university residence hall. These payments for the fall semester should be submitted to the Office of the Controller no later than June 1. For additional information, see the section on “Fees, Expenses, and Financial Aid” of this catalog.

COMPUTER ADMISSION REQUIREMENT FOR UNDERGRADUATES

Western Carolina University strives to ensure that students have access to the highest quality education by taking maximum advantage of the changes in information and communications technologies. Beginning with the fall 1998 semester, all newly admitted degree-seeking undergraduate students are required to have an appropriate, networkable computer. This requirement also applies to readmitted students beginning with the fall 2001 semester.

Required Software. Required software is Microsoft Office XP Professional Suite for Windows or Microsoft Office 2001 Suite for Macintosh. The student is responsible for purchasing this software, academic pricing is available for these and other software programs through the University Computer Store. [CAUTION: The Academic version of Microsoft Office for students and teachers does not fulfill the software requirements, nor does Microsoft Office for... ]
Office Small Business Edition or Microsoft Works, which are typically bundled with new computer systems. Students are required to install and maintain current antivirus software (check the University website www.poweryourmind.com for current recommendations).

**Network and Internet Connectivity** Students living on campus access the Internet via Western's high-speed network. Students living off campus are required to obtain appropriate connectivity through an external Internet Service Provider (ISP) to access the various university computing resources.

**Students Who Already Own a Computer.** Existing computers must use a supported operating system, be able to connect to WCU's network, and be capable of running all required software. Please check the website for more information.

**Students Who Are Purchasing a Computer.** Either a Windows or Macintosh computer can meet the university's computer admission requirement. Computers must run a supported operating system, be capable of connecting to WCU's network, and run all required software. The hardware configurations are reviewed annually and generally reflect an industry standard at the time of review. Students needing a computer are encouraged not to purchase until 90 days prior to enrolling.

Please check the website for more information before purchasing a computer.

**Purchase of Computers.** The university computer store offers for sale competitively priced computer packages, preconfigured to WCU's network, including all required software. Students may purchase computers and required software from any vendor, however, machines purchased from the University Computer Store will be preconfigured for easy connection to the university's network and will include all required software.

**“Jump Start” Training for Students.** All new students are required to attend a training program immediately prior to the beginning of classes. This program familiarizes students with navigating the university network as well as using e-mail and other university Web services. In addition, all students have the opportunity to learn in their freshman year how to construct their own Web page.

**Additional Information.** If you would like additional information about WCU's computer admission requirement, call the Office of Admissions (toll-free) at 1-877-WCU4YOU or send e-mail to admisss@wcu.edu. The computer requirement is an integral part of the educational experience at Western Carolina University. Failure to comply with this requirement will result in sanctions to the student up to and including expulsion from the university. Updates to the computer requirement can be found at www.poweryourmind.com.

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**UNDERGRADUATE ADMISSION**

The university is open to all qualified students without regard to race, sex, color, national origin, religion, age, sexual orientation, or disability.

**First-Year Students** Admission to Western Carolina University and placement into courses and programs are based upon a variety of factors including courses taken in high school, rank in class, SAT or ACT scores, and high school grade point average. Applicants must be graduates of accredited high schools. Graduates of unaccredited high schools may satisfy entrance requirements by examination. The university reserves the right to require any conditions deemed necessary. Applications also are considered for admission from prospective students who have achieved high school graduation equivalency by means of tests of General Education Development (GED).

**Entrance Examinations.** Freshman applicants must take the Scholastic Aptitude Test (SAT) or the American College Test (ACT). The achievement test in subject-matter fields is not required. For the SAT, application forms and information concerning the test fee, dates, and centers may be obtained from the College Board, P.O. Box 592, Princeton, New Jersey 08541. Information and application for the ACT may be obtained from The American
College Test National Office, P.O. Box 168, Iowa City, Iowa 52243, and from high school guidance counselors. Applicants must request that their scores be sent to the Office of Admissions, Western Carolina University, Cullowhee, North Carolina 28723. College code for the SAT is 5897 and ACT code is 3172.

**Secondary School Preparation.** The quality and content of the applicant's high school program are important. A good background in English, mathematics, foreign language, social studies, and natural sciences is recommended. Students with inadequate preparation in English and mathematics, if admitted, will be required to complete additional work in these areas.

To be considered for any category of admission, students must have graduated from high school and successfully completed the following twelve units of college preparatory courses in high school:

- 4 units of English
- 2 units of algebra
- 1 unit of geometry or advanced math
- 3 units of science including:
  - 1 unit of a life or biological science
  - 1 unit of a physical science
  - 1 unit of an additional lab science
- 2 units of social studies including:
  - 1 unit in U.S. history

In addition, it is highly recommended that students complete at least two years of a foreign language in high school. Effective in the fall semester of 2004, two units of a language other than English will be required. Effective in the fall of 2006, one additional unit of mathematics beyond algebra II will be required.

**Admissions Procedure**

**Home-Schooled Applicants.** This policy deals with those students who are applying for admission as freshmen or transfer applicants, who are required to submit secondary school records, and who are participating (or have participated) in a secondary home school program.

Home-schooled students will have their records considered ONLY under the following conditions:

1. The student provides an official transcript of all work completed. This should include course names, descriptions, grades, and the amount of credit awarded.
2. The student provides official score reports of the SAT or ACT tests.

All home-schooled applicants must meet standards equivalent to those used for applicants from approved secondary schools. This includes indication of the successful completion of work equivalent to high school units listed under **Secondary School Preparation.** Each applicant will be reviewed individually for academic strengths and weaknesses.

There are three categories of freshman admission to Western: regular, provisional, and honors admission.

**Regular Admission.** Each applicant is evaluated on the basis of individual strengths and weaknesses for placement into the regular course sequence. Priority is given to those applicants who have demonstrated a strong potential for success in the academic programs at Western. Factors which are used in the evaluation process include the following:

- Courses selected by the student in high school and the grades achieved in those courses.

A strong college preparatory curriculum is recommended. All students who are admitted must meet the minimum unit requirements of The University of North Carolina system. Special attention may be given to work completed during the senior year.
Scores achieved on either the Scholastic Aptitude Test (SAT) or the American College Test (ACT)

Priority consideration for admission will be given to applications completed by May 1 for the fall term

**Provisional Admission.** Students whose high school records and test scores do not qualify them for regular admission but who show some potential for successful college work may be considered for provisional admission to the university. Students admitted into the provisional category still must meet all Minimum Course Requirements (MCR) prior to enrollment. An applicant's high school records and ACT or SAT scores will be the primary information used to determine admission. The applicant must demonstrate the aptitude and motivation necessary to be able to successfully complete between twelve and sixteen semester hours of college course work in the first semester of enrollment.

The provisional admission program features additional tutoring and small, clustered classes that are designed to ease the transition from high school to college. Some provisionally admitted freshmen may be required to begin their program during the summer term when they will be provided with special assistance.

**Minimum Course Requirements (MCR) at the Sixteen Institutions of The University of North Carolina** The following courses are required for admission, in addition to an institution's own specific requirements: in English, four course units emphasizing grammar, composition, and literature; in mathematics, three course units including algebra I, algebra II, and geometry, or a higher level mathematics course for which algebra II is a prerequisite; in science, three course units including one unit in a life or biological science (for example, biology), one unit in a physical science (for example, physical science, chemistry, or physics), and one laboratory course; and in social studies, two course units including one unit in U.S. history, but an applicant who does not have the unit in U.S. history may be admitted on the condition that at least three semester hours in that subject will be passed by the end of the sophomore year.

In addition, it is recommended that prospective students complete at least two course units in one foreign language and take one foreign language course unit and one mathematics course unit in the twelfth grade. Effective in the fall semester of 2004, two units of a language other than English will be required. Effective in the fall of 2006, one additional unit of mathematics beyond algebra II will be required.

Course units, as defined in these requirements, may include those high school-level courses taken and passed by an applicant after graduating from high school, as well as those taken while enrolled as a high school student.

**Pre-University Honors Program.** This program enables high school students who have completed their junior year with superior academic records to begin work toward a university degree. Students who qualify may enroll in and earn credit for selected freshman courses. Full information is available from the Office of Admissions.

**Transfer Students.** Applicants must have official transcripts, with statements of honorable dismissal, submitted by all institutions formerly attended. The applicant must meet freshman admission requirements and submit an official high school transcript with SAT or ACT test results. Transfer applications should be submitted by July 1 for fall admission, and at least thirty days prior to the beginning of spring or summer terms.

Transfer students must have earned a minimum grade point average (GPA) of 2.00 (C average) on all work attempted. Applicants who are ineligible to return to the last institution attended for any reason cannot qualify for admission.

Students transferring from any unaccredited institution, if admitted, may be placed on academic probation and may be permitted to validate transfer credits by attaining satisfactory grades at Western Carolina University. Normally, a minimum GPA of 2.30 on the first twelve semester hours attempted will be required.
The academic records of transfer students will be evaluated by the Office of the Registrar and the department head of the student's major. University policies on transfer of undergraduate credit are explained in the section of this catalog on academic regulations.

**Former Students.** Readmission of former students is not automatic. Undergraduates who were not enrolled at the university in the immediate preceding semester (excluding summer terms) must apply for readmission. Applications and all documents supporting the request for readmission must be submitted thirty days prior to the beginning of the term for which further enrollment is planned. Transcripts of work taken at any other colleges during the interim must be submitted. Former students who have attempted course work at another institution since their enrollment at Western also must meet transfer admission requirements.

Former students who are not in good standing at the university also must be approved for readmission by the Committee on Admission, Readmission, and Retention. The committee's decision is based upon the student's entire university record including, but not limited to, the student's academic record. Students should review the academic re-evaluation and two-year rule policies in this catalog before applying.

**Post-Baccalaureate Students.** Graduates of accredited four-year institutions may apply for admission to work toward another undergraduate degree. Western Carolina University is authorized to offer seven different bachelor's degrees: Bachelor of Arts (BA), Bachelor of Science (BS), Bachelor of Fine Arts (BFA), Bachelor of Science in Business Administration (BSBA), Bachelor of Science in Education (BSEd), Bachelor of Music (BM), and the Bachelor of Science in Nursing (BSN). A student may obtain from the university a second bachelor's degree provided the degree is in a different major. Students may not earn a second degree in the same major. The general requirements for second degrees are stated in the section of this catalog on degree programs and requirements. Students seeking to pursue advanced degrees should refer to the Graduate School section.

**International Students.** International students are welcome at the university. Students must apply for admission and submit all credentials sufficiently in advance of the first term of enrollment to allow for evaluation thirty days before the beginning of that term. A satisfactory score (550 or higher) on the Test of English as a Foreign Language (TOEFL) and evidence of financial responsibility are required. Students may enroll in English 131 and English 132, which are specifically designed for international students. Further information is available from the Office of Admissions, Graduate School, the International Programs and Services Office, or the international student adviser in the Office for Student Affairs.

**Other Eligible Persons**

**Special Students.** Persons not seeking degrees may apply as special students by completing an application and paying the $40 application fee. Special students are not admitted to any degree program, are not eligible for financial assistance, and are not assigned to advisers. Special students applying to live in university housing should indicate their status on the housing contract. Admissions categories for special students are as follows:

**Nondegree Students.** Persons not seeking degrees but who wish to take courses for personal enrichment or advancement, upon approval, may take up to eighteen semester hours as a nondegree student. Academic credentials may be required to validate a student's eligibility for admission. Nondegree students who wish to take more than eighteen semester hours will have to meet regular admission criteria.

**Teacher Licensure Students.** Persons who have earned a previous four-year degree and are returning to complete those requirements necessary for teacher licensure and are not pursuing a degree may apply as a teacher licensure student. Persons who plan to meet teacher licensure requirements must provide transcripts of all college work attempted to the Office of Teacher Licensure, 228 Killian Building, Western Carolina University, Cullowhee, North Carolina 28723.

**Dual Enrollment Students.** Dual enrollment students are those students who plan to take courses at Western while currently enrolled in a local high school. Applicants must submit...
a letter of parental consent, a letter of permission from their high school principal or guidance counselor, SAT or ACT scores, and an official high school transcript. Dual enrollment students may not live in campus housing.

**Extension Students.** Individuals may enroll in extension courses with the approval of the coordinators of the courses. An extension student who later desires to enroll in courses for degree credit must meet regular admission requirements.

**Transient Students.** A student interested in enrolling for a semester or a summer session before returning to another institution may be admitted as a transient. A statement of good standing at the former institution is required.

**Persons over Age 65.** Legal residents of North Carolina aged 65 and over who qualify for admission may enroll in courses on a tuition-free basis if space is available. Information about admission and registration policies and procedures may be obtained from the registrar.

**Special Consideration.** Persons of above-average ability who do not meet admission requirements in any category may request special consideration by submitting a letter of explanation and supporting information. However, regular admission guidelines are regarded as sound for the student and the university. Few exceptions are made.

**APPEALS OF ADMISSIONS DECISIONS**

Admissions decisions may be appealed by presenting a written request for reconsideration to the director of admissions. Appeals of decisions which are related to academic preparation or credentials are evaluated by the Admissions, Readmissions, and Retention Committee. Appeals of decisions which are related to criminal, disciplinary, or behavioral factors are forwarded to the vice chancellor for Student Affairs. The request should indicate the reasons for reconsideration and any factors the applicant feels were not given adequate consideration in the admission process. Upon receipt of a written request, the director of admissions will forward the documentation to the appropriate appellate body. Applicants will be notified in writing of the final decision by the Office of Admissions.

**SUMMER SCHOOL ADMISSION**

All policies in effect during the regular academic year are applicable to summer school. Further information is available upon request from the Division of Continuing Education and Summer School, Graduate School, or Office of Admissions, and in the *Summer School Catalog/Schedule*, issued each spring.

**APPLICATION FALSIFICATION**

Students furnishing the university with false, misleading, or incomplete information relating to their application or academic record will be subject to rejection or dismissal.
Services are provided at Western Carolina University to further each student's academic and social development. The Office of Student Affairs has overall responsibility in this area, and its functions include providing comfortable housing, helping students adjust to campus life through orientation programs, providing counseling services and health care, and enhancing the college environment with recreational and leadership activities.

**Residential Living**

The university's ten residence halls are an important part of campus life, offering a variety of experiences that can contribute to intellectual, personal, and social development. The residence halls are staffed by professional personnel who are responsible for the welfare of students living on campus and for the upkeep of the buildings.

The residence halls are open to all students, undergraduate and graduate, to the extent available. Freshmen are required to live on the campus. This requirement may be waived if the student is married or lives with parents or legal guardians in Jackson, Macon, Haywood, or Swain County. Waivers for other reasons are decided by the associate director of residential housing.

Any freshman who wishes to live off campus must submit an Application to Commute form, available in the housing office.

All rooms are equipped to accommodate two students. There are no single rooms, but private occupancy may be arranged for an additional fee if space is available.

Each room is furnished with computer data ports, single beds, study desks, chairs, dressers, and closets. Students provide their own pillows, bed linens, towels, lamps, clocks, wastebaskets, and telephones. They also may bring radios, stereos, and televisions as long as outside antennae are not required. Cable television is provided in public areas. Cable television service is available in each room. Other facilities include vending machines, post office boxes, washers, and dryers. Local telephone service is included in the housing fee. Long distance telephone options are available for resident students when they arrive on campus, or students may use any current calling card utilizing a 1-800 access code.

**Room Reservations and Advance Partial Payment**

Any new, transfer, readmitted, or graduate student may reserve a room in the residence halls by submitting the advance partial payment of $100 and a signed application/contract to the Office of the Controller. Returning students are to submit a signed contract with $150 prepayment. These payments for the fall semester should be submitted no later than June 1. The deadline for the spring semester (January) is December 1. Checks should be made payable to Western Carolina University. Residential living advance payments and contracts received after the deadline will be accepted on a space-available basis. Financial aid awards may not be used to cover advance partial payments.

Students may move into the residence halls prior to the August orientation and the beginning of classes, and information on the designated move-in day will be provided. Students who have official university duties may arrive earlier if the Department of Residential Living is notified in advance. Unless the Department of Residential Living is notified of late arrival, reservations expire at noon on the first day of classes.

**Residence Hall Contract**

Each student residing in a residence hall signs a contract with the university for the entire academic year, or any part of the year remaining when the student moves into the residence hall. The contract outlines the responsibilities of the student and the university, and it is a legally binding agreement. It may be cancelled by the student or the university under conditions outlined in the contract.

**Summer Terms**

Students who begin their enrollment in summer terms (May or July) are not required to submit the advance housing payment but must submit the Residence Hall Application/Contract if they wish to reside in university housing. If, however, you are attending the Academic Success Program, on-campus housing is required.
Refund Policy Students who have paid the advance housing payment and choose not to
attend Western are eligible for a 100 percent refund if notification of cancellation is received
prior to June 1 (December 1 for spring). Cancellations received after June 1 and prior to
acceptance of residence hall room keys (or the first day of classes) will be subject to a
$50 administrative processing fee. Students who move out of the residence halls after
acceptance of keys will be eligible for a pro-rated refund, but they will be assessed a $200
breach of contract fee.

Housing for Married and Graduate Students Robertson Hall is available for married
students. It consists of thirty-seven efficiency and five one-bedroom apartments. Madison
Hall is available for graduate students. It offers forty-one private rooms with private baths
and is an air-conditioned, nonsmoking hall.

Residence Hall Regulations For health and safety reasons, and because of legal statutes,
the university is unable to allow certain items in resident housing. These items include, but
are not limited to, body building equipment, cooking appliances, halogen lamps, fireworks,
outside antennae, pets, radio transmitters, air-conditioners, firearms, ammunition, explo-
sives, waterbeds, and dart and archery equipment. To ensure the welfare of residents, certain
harmful activities are not permitted. These include fighting, wrestling, gambling, vandalism,
or littering in or around the buildings. Students who are involved in the damage or loss of
residence hall property will be required to pay for the cost of repair or replacement, or to share
in such costs if more than one student is responsible for the damage or loss.

Inspections or investigations for purposes of safety, health, maintenance, sanitation,
or reasonable cause are proper responsibilities of the Department of Residential Living and are
not to be interpreted as an invasion of privacy. Information about investigations or searches
is contained in the Student Bill of Rights, Article 6, Section B.

The university extends to students the privilege of visiting with members of the opposite sex
in residence-hall rooms. All resident students and their guests are expected to follow the rules
and regulations of the university as well as state and federal laws.

Off-Campus Housing All freshmen are required to live on campus except freshmen from
the local area who may apply for a housing waiver to commute from home. Freshmen living
in Jackson, Macon, Haywood, and Swain Counties may apply for a housing waiver to live
at home. Students who plan to live off campus make their own living arrangements. It is a
good idea to inspect the facilities before making any housing agreement and to obtain a
written contract outlining the responsibilities of the renter and landlord. Students who move
from the residence halls to off-campus locations must officially move out of their residence
hall rooms and are subject to a breach of contract fee. Students living off campus are
governed by the rules and regulations of the university while on campus.

Student Activities and Services

A variety of programs, activities, and services identified with everyday living are available
on campus. Students are encouraged to choose and participate in co-curricular activities
wisely and balance them with their academic endeavors. The student activity fee helps to
support many of these activities and services as well as a number of cultural programs. The
fee also supports the campus radio station, newspaper, literary magazine, yearbook, and
student public relations firm.

Voluntary associations of students on the campus are recognized as an important part of the
educational process. More than one hundred recognized campus organizations provide
students opportunities to explore their religious, political, professional, social, or special
interests and to be recognized for their academic and personal achievements.

Student Government The Student Government Association (SGA) is an active, vital part
of the university community. Each student has the right to vote in all student elections and
may participate in SGA by running for office or by applying for an appointive position. The
SGA appoints voting members to committees of the Faculty Senate, and the president of SGA
is an ex officio member of the university’s Board of Trustees.
A K Hinds University Center

Department of the Division of Student Affairs

The University Center (UC) is the hub of campus activity. With a new addition and renovations, the UC houses the offices of the Student Government Association (SGA), Last Minute Productions (LMP), Women's Center, Multicultural Center and University Center staff. It also contains a ballroom, movie theatre, several meeting and conference rooms, an art gallery, foodcourt (Chick-Fil-A, Montague's Deli, and the Burger Factory), Base Camp Cullowhee Outdoor Equipment Rental, television lounge, atrium lounge, dance club, fax service, email stations, ATM, a postal vending machine and post office boxes. The UC provides dinners on the lawn, films, dances, concerts, outdoor trips and various other events. Many activities are planned and organized by university students through the Last Minute Productions Program Committee.

Recreation, Fitness, and Intramural Sports

The facilities of the Reid Health and Human Performance Building, Breese Gymnasium, A K Hinds University Center, the Ramsey Regional Activity Center, Western's football and baseball stadium, and the campus track and jogging trail make possible a rich recreational program. Indoor and outdoor recreation includes tennis, volleyball, basketball, swimming, bowling, handball, racquetball, rugby, soccer, softball, badminton, table tennis, ultimate frisbee, frisbee golf, water polo, arm wrestling, cross country, darts, horseshoes, track and field, fishing derby, and wrestling. An indoor fitness center is available for students, faculty, and staff members.

The Fitness Center contains free weights, treadmills, stair climbers, exercise bikes, elliptical cross trainers, and Cybex exercise stations. Services offered by the fitness center include personal training, fitness assessments, body composition analysis and specialized fitness programs. Over twenty land and water aerobics classes are offered each week by the center.

The Fitness Center and its services work together to help participants achieve an improvement in the quality of life.

The intramural sports program at Western Carolina University embraces the mission of building supportive and inclusive communities for the university community in Cullowhee. The primary mission of the intramural program is to provide positive use of student leisure time. The intramural program offers a wide variety of recreational activities which include more than forty individual, team, and co-ed activities. The intramural program offers every student an opportunity to participate in sports in a fun and competitive atmosphere and promotes total development of the students' life within the academic environment by promoting a healthful lifestyle. In addition, the intramural sports program has several established sport clubs. These clubs are open to all students regardless of skill level. Students are encouraged to develop new sport clubs as well.

Athletics

The university provides a full program of fifteen intercollegiate sports. Athletic teams play a full schedule in football, baseball, men's and women's golf, men's and women's basketball, women's volleyball, men's and women's indoor and outdoor track, men's and women's cross country, women's tennis, and women's soccer. The university is a member of the National Collegiate Athletic Association (NCAA Division I) and the Southern Conference. A standing committee of the Faculty Senate is responsible for reviewing and recommending policy regarding intercollegiate athletics.

Health Services

Routine care is provided by the university. Health Services Outpatient medical care, usually at no additional charge, is provided to students. A comprehensive women's clinic is available to students that pay the health fee by appointment. There is a $20 charge for pap smears. A limited pharmacy is available to students for a fee. Health Services does not file or accept insurance. Policies concerning outpatient services available to university employees are stated in the Faculty Handbook or at www.wcu.edu/student/div/healthserv/faculty.html.

Health Services does not assume responsibility for complicated or chronic mental or physical illness, surgical and dental operations, X-ray procedures, and needs that require the care of specialists. However, referral service is available.
Physician, nurse, laboratory personnel, and outpatient facilities are currently housed in the Graham Health Services Building where consultation hours are posted. For emergency referrals and health service information, the telephone number is 828-227-7640. After clinic hours, please dial 911.

A complete medical record is required of all students entering the university. Additional information for updating during the period of actual attendance may be requested. New students are required by North Carolina General Statute 130A-155 1 to have the following current immunizations: diptheria-pertussis-tetanus or tetanus-diptheria, measles (rubeola), rubella, and polio. Evidence of the immunizations must be in the student's records at the time of registration. If this evidence is not present, the student will not be allowed to register.

Information concerning the immunization requirements is located on the Health Services home page at www.wcu.edu/student/hlthserv.

Health Insurance: An accident and hospitalization group insurance policy is available to students from an approved commercial agent at registration. The coverage is optional, but it is strongly recommended that all students have some form of insurance to cover the cost of medical treatment not available through Health Services. Health insurance coverage is mandatory for international students. International students must purchase or prove coverage of comprehensive medical insurance before being allowed to register for classes. The insurance must be paid in full in advance and be in effect for the entire academic year. More information is available from the Health Services Center at 828-227-7640.

MENTAL HEALTH SERVICES

The Counseling and Psychological Services Center: The center provides free and confidential student services including individual and group counseling and therapy, emergency on-call, consultation, and outreach programming to aid students with educational, personal, or psychological concerns. Appointments can be made by calling 828-227-7469. The center is located on the second floor of Bird Building.

OTHER SERVICES AND FACILITIES

New Student Orientation: To make the transition to college life easier, Western offers orientation programs for new students and their families. Students attending orientation have a chance to meet other new students, talk to their professional academic advisor, and register for their classes. Orientation is the time for students and family members to become familiar with the academic demands of the university, to meet the faculty, and to learn more about the concerns that accompany campus life. For more information, call 828-227-3446.

The Office of Special Programs/Teaching Fellows Program: The Office of Special Programs/Teaching Fellows Program in the College of Education and Allied Professions assists in organizing special events in the college (e.g., student recruitment activities, scholarship awards) and coordinates the North Carolina Teaching Fellows Program for the university.

Teacher Placement Service: Placement services are available to all teacher education graduates and alumni who seek employment in the field of education through Career Services, Room 91, McKee Building.

Department of Veterans Affairs Educational Benefits: Western is approved under the provisions of Title 38 United States Code, Chapter 36. Persons eligible and entitled under provisions of Chapters 30, 31, 32, 34, 35 and Section 901 and 903 and Title 10 United States Code, Chapters 106 and 107 may enroll in programs approved by the North Carolina State Approving Agency. All inquiries concerning Veterans Affairs (V A ) educational benefits should be addressed to the Veteran Affairs Certifying Officer, 201 H F Robinson Administration Building, Western Carolina University, Cullowhee, North Carolina 28723, telephone 828-227-7232.
International Student Services  The international student advisor serves as the advisor to the International Student Association and providing programming to assist students with transitioning and becoming informed with university and community life. For more information, call 828-227-7234.

Books and Supplies  The WCU Bookstore offers students a variety of educational materials and supplies, as well as gift items and miscellaneous articles for personal use. An extensive selection of paperback books is offered for class use and extracurricular reading. All books for graduate students and supplemental texts and course-related materials for undergraduates are sold by the store. The book rental plan, operated through the book rental department of the bookstore, is explained on page 38 of this catalog. Caps and gowns, graduation invitations, and class rings also may be purchased at the store. For more information, call 828-227-7346 or visit our website at wcubookstore.wcu.edu.

Wellness Program  The goal of the Wellness Program at Western is to create a healthier community in which students, faculty, and staff may learn and grow. The Wellness Program provides a variety of activities in order to reach this goal including presentations, a wellness resource library, an exercise incentive challenge, smoking cessation programs, and events centered on national awareness topics such as fitness, nutrition, AIDS, and alcohol. For more information about this program, call 828-227-7640.

Meals  Western Carolina University provides food services for students at three campus locations:

- Brown Cafeteria (on the upper campus)
- Cyber Cafe (Dodson cafeteria)
- Dodson Cafeteria (on the lower campus)
- Hinds University Center Food Court
- Java City (Hunter Library)

Students living in university residence halls are required to participate in a campus board plan. Participation in a food service plan is optional for commuting students. Special dietary requirements are accommodated by contacting WCU Dining.

The various food service plans offered are described in the fees section of this catalog.

Food service is not provided when the cafeterias are closed during holidays and other periods when the university is not in session.

Mail Service  Students residing on campus are assigned a residence hall mailbox with their room assignments. All other students may rent a box in the Cullowhee Post Office. U.S. postal regulations do not permit receipt of mail through general delivery after an initial thirty-day period. A postal commodity machine offering stamps, envelopes, postcards, aerograms, overseas services, and other features is located in the lobby of the university center.

Laundry  Coin- and CatCard-operated washers and dryers are provided in all residence halls for resident use only. Commercial coin-operated laundries are located in Cullowhee and Sylva for use by the general public.

Bank Services  A branch office of the Wachovia Bank and Trust Company is located on campus. ATM machines installed by Wachovia Bank and BB&T are located in the Hinds University Center. In addition, branch offices of Wachovia, Carolina Community Bank, Century South Bank of the Carolinas, First Charter Bank, First Citizens Bank and Trust, Community Bank and Trust Company, Jackson Savings Bank, Macon Bank, and the North Carolina State Employees Credit Union are located in or near Sylva.

Disability Services  Western Carolina University is dedicated to providing the accommodations necessary to help students with disabilities achieve academic success. Academic accommodations are provided through the Office of Student Support Services, Killian Annex, Room 248, 828-227-7127. Section 504/ADA issues are handled through the Office for Student Affairs, 460 H F Robinson Administration Building, 828-227-7234.
General Regulations and Safety Policies

The general regulations pertaining to student life at Western Carolina University are published in the Student Handbook. A copy of the Student Handbook is available at the Office of Student Affairs (460 H F Robinson Administration Building, 828-227-7234) or at www.wcu.edu/student/StudentHandbook. Student rules and regulations are the responsibility of the Office for Student Affairs. Other regulations deemed necessary for the welfare of the members of the university community are the responsibility of the appropriate unit of the university, subject to administrative approval.

All members of the university community have the responsibility of conducting themselves in a manner befitting the university environment. The university can fulfill one of its major obligations to its students by providing opportunities for the development of self-discipline, respect for others, and concern for one's personal conduct.

While on the campus, students are subject to the rules of the university, whether or not classes are in session. Students who exhibit unseemly conduct or destructive behavior or who impinge on the rights of other individuals, as these terms are defined in the Code of Student Conduct section of the Student Handbook, are subject to disciplinary action by the university.

Hazing is forbidden under North Carolina law. "Upon conviction of any student of the offense of hazing, or of aiding in the commission of this offense, he/she shall, in addition to any punishment imposed by the court, be expelled from the college or school he/she is attending. The faculty or governing board of any college or school charged with the duty of expulsion of students for proper cause shall, upon such conviction, at once expel the offender, and a failure to do so shall be a misdemeanor."

Firearms are not permitted on university property except for academic instruction and law-enforcement purposes.

The university, in accordance with the laws of the State of North Carolina, forbids the possession or use of fireworks in any building or location on the campus. Severe disciplinary action will be taken if this law is violated.

Drunkenness and other abuse of alcoholic beverages are grounds for disciplinary action. Although possession and consumption of alcohol by students are not sanctioned by the university, these acts cannot be controlled in rooms assigned to students without undue invasion of privacy. Therefore, possession and consumption of alcoholic beverages within on-campus residence rooms are options to be determined by the occupants of each room, within the framework of student regulations and North Carolina law. Public display or consumption of alcoholic beverages is not permitted. All students should be familiar with the policies in the Student Handbook and the laws of North Carolina concerning alcoholic beverages.

Policy on Illegal Drugs

I Purpose

Western Carolina University is an academic community dedicated to the transmission and advancement of knowledge and understanding. The Board of Trustees is committed to the maintenance and protection of an environment in which students and faculty members may responsibly pursue these goals through teaching, learning, research, discussion, and publication, free from internal or external restraints that would unreasonably restrict their academic endeavors. Moreover, it is the obligation of all members of the university community—faculty, students, administrators, and other employees—to help maintain an environment where academic freedom flourishes and in which the rights of each member of the academic community are respected. The illegal use of and trafficking in drugs can jeopardize the welfare of members of this academic community. Accordingly, in an effort to responsibly address such threats to the integrity of the academic environment, the Board of Trustees adopts this policy.
II Applicable Policies, Practices, and Programs

A Education, Prevention, Counseling, and Rehabilitation

1 Just as the primary purpose of Western Carolina University is education, so also the university's major effort to address drug abuse should be educational in nature. The university shall maintain a comprehensive drug education program available to all members of the academic community (students, faculty, administration, and staff). The activities of the program shall be the responsibility of the Drug and Alcohol Education Task Force co-chaired by the University's counselor and a faculty member and composed of faculty, staff, and students. The task force shall develop and coordinate an on-going program available to all members of the academic community that

a) informs members of the academic community about the health hazards associated with drug abuse,

b) emphasizes the incompatibility of drug abuse and maximum achievement of personal and educational goals,

c) encourages members of the campus community to make use of available campus and community counseling, medical, and rehabilitation resources in dealing with drug abuse problems, and

d) informs members of the academic community that they also may be subject to criminal prosecution for violating state laws relating to the illegal use, possession, delivery, sale, manufacture, or creation of controlled substances.

2 WCU shall provide information about drug counseling and rehabilitation services to members of the university community, through campus-based programs for students and through community-based organizations for faculty, staff, and students. Persons who voluntarily avail themselves of university services shall be assured that applicable professional standards of confidentiality will be observed.

B Enforcement and Penalties

1 Western Carolina University shall take all actions necessary, consistent with state and federal law and applicable university policy, to eliminate illegal drugs from the university community. The institutional policy on illegal drugs shall be publicized in catalogs and other relevant materials prepared for all enrolled and prospective students and in relevant materials distributed to faculty members, administrators, and other employees.

2 Students, faculty members, administrators, and other employees are responsible, as citizens, for knowing about and complying with the provisions of North Carolina law that make it a crime to possess, sell, deliver, or manufacture those drugs designated collectively as "controlled substances" in Article 5 of Chapter 90 of the North Carolina General Statutes. Any member of the university community who violates that law is subject both to prosecution and punishment by the civil authorities and to disciplinary proceedings by the university. It is not "double jeopardy" for both the civil authorities and the university to proceed against and punish a person for the same specified conduct. The university shall initiate its own disciplinary proceeding against a student, faculty member, administrator, or other employee when the alleged conduct is deemed to affect the interests of the university.

3 Penalties shall be imposed by the university in accordance with procedural safeguards applicable to disciplinary actions against students, faculty members, administrators, and other employees, and by regulations of the State Personnel Commission.

* Rules of the State Personnel Commission govern disciplinary actions that may be taken against SPA employees, under current Commission policies, discharge rather than suspension is the applicable penalty for SPA employees in instances where this policy otherwise requires suspension.
4 The penalties to be imposed by the university shall range from written warnings with probationary status to expulsions from enrollment and discharges from employment. However, the following minimum penalties shall be imposed for the particular offenses described.

III. Trafficking in Illegal Drugs

A For the illegal manufacture, sale or delivery, or possession with intent to manufacture, sell, or deliver, of any controlled substance identified in Schedule I, North Carolina General Statutes 90-90, or Schedule II, General Statutes 90-90 (including, but not limited to, heroin, mescaline, lysergic acid diethylamide, opium, cocaine, amphetamine, and methaqualone), any student shall be expelled and any faculty member, administrator, or other employee shall be discharged.

B For a first offense involving the illegal manufacture, sale or delivery, or possession with intent to manufacture, sell, or deliver, of any controlled substance identified in Schedules III through VI, North Carolina General Statutes 90-91 through 90-94 (including but not limited to marijuana, pentobarbital, codeine), the minimum penalty shall be suspension from enrollment or from employment for a period of at least one semester or its equivalent. For a second offense, any student shall be expelled and any faculty member, administrator, or other employee shall be discharged.

IV. Illegal Possession of Drugs

A For a first offense involving the illegal possession of any controlled substance identified in Schedule I, North Carolina General Statutes 90-89, or Schedule II, North Carolina General Statutes 90-90, the minimum penalty shall be suspension from enrollment or from employment for a period of at least one semester or its equivalent.

B For a first offense involving the illegal possession of any controlled substance identified in Schedules III through VI, North Carolina General Statutes 90-91 through 90-94, the minimum penalty shall be probation, for a period to be determined on a case-by-case basis. A person on probation must agree to participate in a drug education and counseling program, consent to regular drug testing, and accept such other conditions and restrictions, including a program of community service, as the chancellor or the chancellor’s designee deems appropriate. Refusal or failure to abide by the terms of probation shall result in suspension from enrollment or from employment for any unexpired balance of the prescribed period of probation.

C For second or other subsequent offenses involving the illegal possession of controlled substances, progressively more severe penalties shall be imposed, including expulsion of the students and discharge of faculty members, administrators, or other employees.

V. Suspension Pending Final Disposition

When a student, faculty member, administrator, or other employee has been charged by the university with a violation of policies concerning illegal drugs, he or she may be suspended from enrollment or employment before initiation or completion of regular disciplinary proceedings if, assuming the truth of the charges, the chancellor or, in the chancellor's absence, the chancellor's designee concludes that the person's continued presence within the university community would constitute a clear and immediate danger to the health or welfare of other members of the university community, provided, that if such a suspension is imposed, an appropriate hearing of the charges against the suspended person shall be held as promptly as possible thereafter.
VI Compliance with Federal Drug-free Workplace Act of 1988 Pertaining to Employees

A As a condition of employment, an employee must abide by the terms of this policy and must notify his immediate supervisor at Western Carolina University of any criminal drug conviction occurring in the workplace no later than five days after that conviction.

B Western Carolina University will notify federal granting or contracting agencies within ten days after receiving notice that an employee directly engaged in a grant or contract has been convicted of a drug offense in the workplace.

C Western Carolina University will impose sanctions and/or require satisfactory participation in drug abuse or rehabilitation programs by an employee convicted of a drug-related violation in the workplace no later than thirty days after notice of said conviction.

Annual Safety Report

Western publishes an annual safety report to comply with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act (formerly the Campus Security Act).

The report can be accessed at www.wcu.edu/studentd/safety.

Hard copies of the report are available upon request at the Office for Student Affairs, 460 H F Robinson Administration Building, 828-227-7234, or the University Police, 130 HFR Administration Building, Cullowhee, North Carolina, 828-227-7301.

Policy on Computer Abuse

The University provides computer access through the information technology division, college, and department computer systems. It is essential that computer systems be protected from misuse and unauthorized access subject to university policy and applicable state and federal laws. Computer abuse is defined as, but not limited to, privacy issues, theft, vandalism, copyright issues, and harassment. It will be referred to the Office of the Chief Information Officer and/or college or department computer network and laboratory managers. Abuse involving theft or vandalism will also be reported to the director of the University Police Department. Penalties include, but are not necessarily limited to, suspension or revocation of computing privileges, reimbursement to the university for resources consumed, other legal action including action to recover damages, referral to law enforcement authorities, and referral to the Vice Chancellor for Student Affairs for disciplinary action. In connection with inquiries into possible abuses, the University reserves the right to examine files, programs, passwords, accounting information, printouts, or other computing materials without notice authorized only by the Chief Information Officer. See University Policy #52, Use of Computers and Data Communications online at http://www.wcu.edu/chancellor/index/universitypolicy/policy52.html.

Law Enforcement

The University Police Department is responsible for providing law enforcement, criminal investigation, and security services on campus. University Police Department officers are certified by the North Carolina Attorney General’s Office and meet all standards set by the Attorney General for law enforcement officers in this state.

All crimes that occur on the campus of Western Carolina University should be reported to the University Police Department. Emergencies should be reported by dialing 911, non-emergencies may be reported by dialing 828-227-7301. Reports may also be filed by visiting the University Police Department, located in Room 130 H F Robinson Administration.
Building, or by contacting an officer on patrol. Officers may also be summoned by activating any of the emergency blue-light callboxes which are placed at various locations throughout campus.

Information regarding crime statistics and crime prevention programs is available in the University Police department. This same information is made available online at http://police.wcu.edu. For Clery Act Report information, see the Student Life homepage.

**Traffic and Parking** The University Police department is responsible for the administration of Western’s parking system, vehicle registration, and traffic and parking regulations enforcement. State statutes provide that campus traffic and parking regulations have the full-authority of law, and violators may be subject to the penalties such law prescribes.

Everyone parking a vehicle on campus must register that vehicle with the University Police and Traffic Office and display a current decal or visitor’s permit on that vehicle. Parking and traffic regulations literature is made available in the Traffic Office, located on the second floor of the Jordan-Phillips Fieldhouse. These same regulations are made available online at http://police.wcu.edu.

The Traffic and Security Committee, composed of students, faculty, and staff, functions as an appellate board for faculty and staff members wishing to contest parking citations which they have received. Appeals concerning student violations are heard by a similar SGA appellate committee. Citation appeal forms are available in the Traffic Office. For more information, contact the University Police Office at 828-227-7301.
Western Carolina University holds its charges to the minimum commensurate with the provision of needed services. The following schedule of fees, due and payable by the payment deadline for each semester, will be effective beginning with the fall semester of the 2003-2004 academic year. The university reserves the right to alter any charges without prior notice upon direction from appropriate governing authorities.

Application for admission must be accompanied by a $40, nonrefundable application processing fee, in the form of a check or money order made payable to Western Carolina University unless exempted by one of the following conditions:

1. The applicant has been enrolled previously for courses at WCU.
2. The applicant has filed an application for admission within the previous two calendar years. Applicants who meet one of these conditions are not required to pay the $40 application fee.

Payment of Fees: All charges are due and payable on or before the payment deadline for each semester. Payment by check, in the exact amount of the bill, is recommended. In accordance with state policy, a processing fee of $25 is assessed for returned checks.

Payment may also be made by credit card (VISA, MasterCard, or Discover), by contacting PhoneCharge, Inc at 1-877-237-9410. Please be mindful that a convenience fee is charged for use of the credit card payment option.

Any fees or fines not paid will cause the university to withhold the issuing of transcripts and other records, including registration materials, until all debts are cleared. Failure to make proper account payments will result in cancellation of registration.

Tuition and Housing Advance Partial Payments:

Tuition and Fees: New students who are admitted to Western Carolina University for the fall semester are required to remit a $100 advance partial payment of tuition and fees. By doing so, the student reserves a place in the entering class and establishes eligibility to preregister for courses to be taken in the first term of enrollment. This amount is due and payable upon notification of acceptance for admission and must be paid prior to participation in course preregistration. The payment is fully creditable to charges for the first semester of enrollment. If a student's plan to enroll at Western Carolina University changes, the advance payment is fully refundable if the university receives written notice of cancellation on or before June 1 preceding the scheduled fall enrollment. If notice of cancellation is not given or is received after this deadline, the advance payment will be refunded, subject to a $50 administrative fee. The advance partial payment is not required for new summer or spring semester enrollees.

Students who preregister will be required to remit full payment of tuition and fees by August 1 for fall semester (December 15 for spring semester) in order to retain their preregistered class schedules. After this deadline, schedules of undergraduate students who have preregistered and not paid will be cancelled. The class seats made available thereby will be offered to these and all other students who register in the regular registration and drop-add periods at the beginning of the semester.

Housing: New students who intend to live on the University campus must remit a $100 advance partial payment of housing charges. Freshmen students are required to live on campus, except freshmen from the local area who may apply for a housing waiver to commute from home. Freshmen living in Jackson, Macon, Haywood, and Swain Counties may apply for a Housing Waiver to live at home. This amount is due and payable upon notification of admission and is fully creditable to housing charges for the first semester of enrollment. Returning students are required to remit a $150 advance partial payment of housing charges.
by June 1 of each year to secure residence hall spaces for the next academic year. This payment is fully creditable to first semester housing charges.

If either a new or returning student’s plan to enroll at WCU changes, the advance payment is fully refundable if the university receives written notice of cancellation on or before June 1 (December 1 for spring semester) preceding the scheduled enrollment. If notice of cancellation is not provided or is received after June 1 (December 1 for spring semester), the advance payment will be refunded minus a $50 administrative charge. After June 1, requests and advance payments for campus housing will be accepted on a space-available basis.

**Late Registration**  A student who registers and/or pays fees after the last regular registration date will be charged a late registration fee of $10. See the Academic Calendar.

**Fees Per Semester**

1. **Full-time Student**

<table>
<thead>
<tr>
<th>Category</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNDERGRADUATE—tuition and required fees, NC</td>
<td>$1,538.05</td>
</tr>
<tr>
<td>UNDERGRADUATE—tuition and required fees, out-of-state</td>
<td>$5,995.55</td>
</tr>
<tr>
<td>GRADUATE—tuition and required fees, NC</td>
<td>$1,492.55</td>
</tr>
<tr>
<td>GRADUATE—tuition and required fees, out-of-state</td>
<td>$6,033.05</td>
</tr>
</tbody>
</table>

**RESIDENCE HALLS**

- **Standard Residence Hall**
  - Single Room: $1,697.00
  - Double Room: $1,013.00

- **Reynolds (Honors College)**
  - Single Room: $1,937.00
  - Double Room: $1,082.00
  - Triple Room: $788.00

- **Scott-East**
  - Single Room: $1,757.00
  - Double Room: $1,133.00

- **New Hall**
  - Single Room: $1,817.00
  - Double Room: $1,298.00

- **Robertson (Married Students)**
  - Efficiencies: $1,950.00
  - One bedroom: $2,120.00

- **Madison**
  - Graduate Students: $2,091.00

**MEAL PLANS**

- **75 All-you-care-to-eat meals per semester**
  - plus $790.00 declining balance: $1,190.00

- **12 All-you-care-to-eat meals per week**
  - plus $180.00 declining balance: $1,010.00

- **5 All-you-care-to-eat meals per week**
  - plus $405.00 declining balance: $885.00

  **Declining Balance only**
  - Commuter Declining Balance points: $900.00
  - Commuter Declining Balance points: $50.00 or more
### PER SEMESTER CHARGES DETAIL

<table>
<thead>
<tr>
<th>Full-time Student</th>
<th>North Carolina Undergraduate</th>
<th>Out-of-state Undergraduate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$67900</td>
<td>$5,136 50</td>
</tr>
<tr>
<td>*Required Fees</td>
<td>$77905</td>
<td>$779 05</td>
</tr>
<tr>
<td>**Book Rental Fee</td>
<td>$80 00</td>
<td>$80 00</td>
</tr>
<tr>
<td>***Room (standard double)</td>
<td>$1,013 00</td>
<td>$1,013 00</td>
</tr>
<tr>
<td>****Board (declining balance)</td>
<td>$900 00</td>
<td>$900 00</td>
</tr>
<tr>
<td><strong>TOTALS</strong></td>
<td><strong>$3,451 05</strong></td>
<td><strong>$7,908 55</strong></td>
</tr>
</tbody>
</table>

Western Carolina University is a publicly supported institution. Tuition payments and other required fees meet only a part of the total cost of the education of students enrolled. On the average, for each full-time student enrolled in an institution of the University of North Carolina, the State of North Carolina appropriates $8,229 00 per year in public funds to support the educational programs offered.

### Meal Plan

University policy requires students who live in a residence hall to purchase one of the meal plans from the previously listed fee schedule. Special dietary requirements are accommodated by contacting WCU Dining. The deadline for students to change meal plans is the last day of course drop/add for each semester.

Unused balances that remain in declining balance meal plan accounts at the end of each academic term are not refundable. However, unused balances will be automatically rolled over from fall to spring semester for continuing students only. Unused balances cannot be rolled over to the next fall semester.

Participation in any of the previously described meal plans is optional for commuting students. Commuting students have the additional option of a declining balance plan in an amount of $50 or more per semester.

### II Part-time Student

Undergraduate, enrolled for eleven or fewer hours, graduate, enrolled for eight or fewer hours.

<table>
<thead>
<tr>
<th>Hours Enrolled</th>
<th>Undergraduate In-State</th>
<th>Out-of-State</th>
<th>Graduate In-State</th>
<th>Out-of-State</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>$225 38</td>
<td>$1,339 38</td>
<td>$219 68</td>
<td>$1,355 68</td>
</tr>
<tr>
<td>2</td>
<td>280 63</td>
<td>1,394 63</td>
<td>261 23</td>
<td>1,397 23</td>
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<tr>
<td>3</td>
<td>335 88</td>
<td>1,449 88</td>
<td>481 90</td>
<td>2,751 90</td>
</tr>
<tr>
<td>4</td>
<td>391 13</td>
<td>1,505 13</td>
<td>523 45</td>
<td>2,793 45</td>
</tr>
<tr>
<td>5</td>
<td>446 38</td>
<td>1,560 38</td>
<td>565 00</td>
<td>2,835 00</td>
</tr>
</tbody>
</table>

* Required fees include: Health Services $91, Student Activity $260.75, Athletics $204, Athletic Facilities $74.50, Documents Fee $3.30, Education and Technology Fee $70, ASG Fee 50¢, Student Recreation $75.

Textbooks are available to graduate students by purchase only.

**With standard residence hall double room rate.**

***The all-you-care-to-eat meal plans combine an All You Care To Eat program located at Brown Cafeteria and a declining balance account that can be used at the other food service locations on campus. All You Care To Eat plans include block meals that can be used any time during the semester within normal operating hours. Declining balance meal purchases are deducted throughout the term from a student’s available balance of declining balance points. During the semester, any student with a declining balance account may make additional prepayments in minimum increments of $50 to increase the balance.
For each course scheduled for audit, a charge will be made equal to the credit hour value of the audited course.

III Asheville Student

Fees for all Western Carolina University resident-credit courses taught in Asheville are the same as on the Cullowhee campus. All UNC Asheville credit courses in which a student enrolls carry an additional cost per credit hour regardless of the fees paid for credit from Western Carolina University.

IV Other Fees

- Undergraduate admission application fee (one time only): $40
- Graduation fee: $30
- Late registration fee: $10
- Cap, gown, and hood: Obtained through WCU Bookstore
- CLEP, GRE, NTE, etc: Fee set by Educational Testing Service

Refund Policies

Academic Year Tuition and Fees During a fall or spring semester, a full-time or part-time student who withdraws from the university before the first day of classes will be refunded 100 percent of tuition and fees. Students who withdraw from the university beginning the first day of classes are entitled to refunds of tuition and fees in accordance with the following schedule:

- First day of classes: 95 percent
- 1 to 11 calendar days following the first day of classes: 90 percent
- 12 to 28 calendar days following the first day of classes: 50 percent
- 29 to 57 calendar days following the first day of classes: 25 percent
- 58 calendar days following the first day of classes: 0 percent

Students who withdraw from the university as a result of involuntary recall to military service, pursuant to a Presidential order authorizing the call-up of reservists, and who are thereby prevented from receiving credit for the courses in which they are enrolled will be entitled to a full refund of tuition and fees. Refunds of room and board charges will be prorated based on the number of days the dormitory room was occupied and the meal ticket was used. Students having the declining balance meal plan will be refunded the actual account balance at the time of withdrawal.

Students who reduce their course loads during the registration period for the semester as defined in this catalog but who continue to be enrolled in the university will have their tuition and fees adjusted fully to reflect only the number of semester hours in which they remain enrolled. Part-time students are eligible for a refund based on the semester-hour tuition rate. Full-time students are eligible for a refund only when course loads are reduced below the minimum hours required to qualify as full-time. No adjustment will be made for reduced loads after the close of the registration period. However, students who drop all courses must

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Students who reduce their course loads during the registration period for the semester as defined in this catalog but who continue to be enrolled in the university will have their tuition and fees adjusted fully to reflect only the number of semester hours in which they remain enrolled. Part-time students are eligible for a refund based on the semester-hour tuition rate. Full-time students are eligible for a refund only when course loads are reduced below the minimum hours required to qualify as full-time. No adjustment will be made for reduced loads after the close of the registration period. However, students who drop all courses must
withdraw from the university. They are, therefore, eligible only for the partial refunds that apply to university withdrawals.

**Summer School Tuition and Fees** A student who withdraws from summer school before the first day of classes will be refunded 100 percent of tuition and fees. Students who withdraw from the University beginning the first day of classes are eligible for refunds through the first fifty percent of the summer session. The refund prorations for summer school are available from the university cashier's office.

Summer school students who reduce their course loads by one or more semester hours within three days following regular registration or on or before the date of the second class meeting, whichever is later, will have tuition and fees adjusted to reflect the number of semester hours in which they remain enrolled.

**Room and Board** Refunds of room fees for any semester or summer term will be calculated at the same rate as tuition and fees.

Meal ticket refunds for standard meal plans will be calculated based on a prorated daily balance. Meal ticket refunds for declining balance plans will be based on the actual balance remaining on the student account at the time of withdrawal. "All-you-care-to-eat" meal plans have a standard declining balance component. Refunds for "all-you-care-to-eat" plans will be based on the policy applicable to each component. Refunds will not be made for the last two weeks of a semester or for the last week of a summer session.

**Exceptions.** Exceptions to these policies may be made if a student withdraws from the university for reasons of hardship. These reasons are defined as (1) death of the student, (2) death in the student's immediate family, (3) a medical condition that compels withdrawal upon recommendation of the director of Student Health Services, or (4) a mental health condition that compels withdrawal upon recommendation of the director of Counseling and Psychological Services. The vice chancellor for student affairs must approve, and notify the university cashier's office, of any refunds or account adjustments for hardship situations. The university cashier's office will take appropriate action to make final settlement of the student's account. Any other exceptions require approval by the chancellor.

All refunds, regardless of the source of payment, will be made by a check payable to the student.

**Tuition Surcharge Policy**

Pursuant to actions of the North Carolina General Assembly and policy adopted by The Board of Governors of the University of North Carolina, a twenty-five percent tuition surcharge applies to students who take more than 140 semester hours and more than eight regular semesters (i.e., fall and spring) to complete a baccalaureate degree. This policy is effective for all new undergraduates entering on and after fall semester 1994.

The semester hours used to calculate the total of 140 hours include repeated, failed, dropped (i.e., W's), and transferred credit courses.

Advanced Placement (AP), College Level Examination Program (CLEP), WCU Advanced Placement, and courses including extension courses earned through summer session(s) at any University of North Carolina institution are excluded from the 140-hour calculation. Students pursuing a second baccalaureate degree will have the surcharge applied to hours that exceed 110 percent of the hours determined to be required to earn the degree. In all cases the surcharge applies to only tuition and not fees.

The official policy may be obtained from the Office of Enrollment Management, 560 H F Robinson Administration Building during regular office hours.
Book Rental Plan

The WCU Bookstore Book Rental Department offers textbook rentals to on-campus undergraduate students for courses numbered 100-499. Students pay a flat rental fee of $80 each semester and are entitled to the primary textbook adopted in each course for which they are registered. This plan does not provide notebooks, workbooks, paperbacks, manuals, or supplemental books and materials, these are available for purchase at the bookstore. Students may purchase textbooks at replacement cost (list price less twenty percent), but this does not exempt them from paying the rental fee. Further information about the Book Rental Plan can be found at wcubookstore.wcu.edu/

Rental books must be returned no later than five working days after the last day of final examinations for each term, including summer school. Students not complying with this time limit will be fined $20 if the books are returned within the first two weeks of the next regular term, including summer school. Students who do not return their books within the first two weeks of the next regular term will be required to purchase the books at replacement cost (list price less twenty percent). Upon return of rental texts, the student must purchase any book that has been grossly mistreated.

Graduate students must purchase all required texts, regardless of course level. Textbooks for courses numbered 500 and above are available at the bookstore. Textbooks for courses numbered below 500 are available for purchase at the Book Rental Department.

Residence Status for Tuition Purposes

The basis for determining the appropriate tuition charge rests upon whether a student is a resident or a nonresident for tuition purposes. Each student must make a statement as to the length of his or her residence in North Carolina, with assessment by the institution of that statement to be conditioned by the following:

**Residence** To qualify as a resident for tuition purposes, a person must become a legal resident and remain a legal resident for at least twelve months immediately prior to classification. Thus, there is a distinction between legal residence and residence for tuition purposes. Furthermore, twelve months legal residence means more than simple abode in North Carolina. In particular it means maintaining a domicile (permanent home of indefinite duration) as opposed to “maintaining a mere temporary residence or abode incident to enrollment in an institution of higher education.” The burden of establishing facts which justify classification of a student as a resident entitled to in-state tuition rates is on the applicant for such classification, who must show his or her entitlement by the preponderance (the greater part) of the residentiary information.

**Initiative** Being classified a resident for tuition purposes is contingent on the student’s seeking such status and providing all information that the institution may require in making the determination.

**Parents’ Domicile** If an individual, irrespective of age, has living parent(s) or court-appointed guardian, the domicile of such parent(s) or guardian is, *prima facie*, the domicile of the individual, but this *prima facie* evidence of the individual’s domicile may or may not be sustained by other information. Further, nondomiciliary status of parents is not deemed *prima facie* evidence of the applicant child’s status if the applicant has lived, though not necessarily legally resided in North Carolina, for the five years preceding enrollment or re-registration.

**Effect of Marriage** Marriage alone does not prevent a person from becoming or continuing to be a resident for tuition purposes, nor does marriage in any circumstance ensure that a person will become or continue to be a resident for tuition purposes. Marriage and the legal residence of one’s spouse are, however, relevant information in determining residentiary intent. Furthermore, if both husband and wife are legal residents of North Carolina and if one of them has been a legal resident longer than the other, then the longer duration may be claimed by either spouse in meeting the twelve-month requirement for in-state tuition status.
Military Personnel. A North Carolinian who serves outside the state in the armed forces does not lose North Carolina domicile simply by reason of such service. Students from the military may prove retention or establishment of residence by reference, as in other cases, to residency acts accompanied by residency intent.

In addition, a separate North Carolina statute affords tuition rate benefits to certain military personnel and their dependents even though not qualifying for the in-state tuition rate by reason of twelve months legal residence in North Carolina. Members of the armed services, while stationed in and concurrently living in North Carolina, may be charged a tuition rate lower than the out-of-state tuition rate to the extent that the total of entitlements for applicable tuition costs available from the federal government, plus certain amounts based under a statutory formula upon the in-state tuition rate, is a sum less than the out-of-state tuition rate for the pertinent enrollment. A dependent relative of a service member stationed in North Carolina is eligible to be charged the in-state tuition rate while the dependent relative is living in North Carolina with the service member and if the dependent relative has met any requirement of the Selective Service System applicable to the dependent relative. These tuition benefits may be enjoyed only if the applicable requirements for admission have been met, these benefits alone do not provide the basis for receiving those derivative benefits under the provisions of the residence classification statute reviewed elsewhere in this summary.

Grace Period If a person (1) has been a bona fide legal resident of the required duration, (2) has consequently been classified a resident for tuition purposes, and (3) has subsequently lost North Carolina legal residence while enrolled at a public institution of higher education, that person may continue to enjoy the in-state tuition rate for a grace period of twelve months measured from the date on which North Carolina legal residence was lost. If the twelve months end during an academic term for which the person is enrolled at a state institution of higher education, the grace period extends, in addition, to the end of that term. The fact of marriage to one who continues domiciled outside North Carolina does not by itself cause loss of legal residence marking the beginning of the grace period.

Minors Minors (persons under eighteen years of age) usually have the domicile of their parents, but certain special cases are recognized by the residence classification statute in determining residence for tuition purposes.

(a) If a minor’s parents live apart, the minor’s domicile is deemed to be North Carolina for the time period(s) that either parent, as a North Carolina legal resident, may claim and does claim the minor as a tax dependent, even if other law or judicial act assigns the minor’s domicile outside North Carolina. A minor thus deemed to be a legal resident will not, upon achieving majority before enrolling at an institution of higher education, lose North Carolina legal residence if that person (1) upon becoming an adult “acts, to the extent that the person’s degree of actual emancipation permits, in a manner consistent with bona fide legal residence in North Carolina” and (2) “begins enrollment at an institution of higher education not later than the fall academic term following completion of education prerequisite to admission at such institution.”

(b) If a minor has lived for five or more consecutive years with relatives (other than parents) who are domiciled in North Carolina and if the relatives have functioned during this time as if they were personal guardians, the minor will be deemed a resident for tuition purposes for an enrolled term commencing immediately after at least five years in which these circumstances have existed. If, under this consideration, a minor is deemed to be a resident for tuition purposes immediately prior to his or her eighteenth birthday, that person on achieving majority will be deemed a legal resident of North Carolina of at least twelve months duration. This provision acts to confer in-state tuition status even in the face of other provisions of law to the contrary, however, a person deemed a resident of twelve months duration pursuant to this provision continues to be a legal resident of the state only so long as he or she does not abandon North Carolina domicile.

Lost but Regained Domicile If a student ceases enrollment at or graduates from an institution of higher education while classified a resident for tuition purposes and then both abandons and reacquires North Carolina domicile within a twelve-month period, that person,
if he or she continues to maintain the reacquired domicile into re-enrollment at an institution of higher education, may re-enroll at the in-state tuition rate without having to meet the usual twelve-month durational requirement. However, any one person may receive the benefit of the provision only once.

**Change of Status** A student admitted to initial enrollment in an institution (or permitted to re-enroll following an absence from the institutional program which involved a formal withdrawal from enrollment) must be classified by the admitting institution either as a resident or as a nonresident for tuition purposes prior to actual enrollment. A residence status classification, once assigned and finalized pursuant to any appeal properly taken may be changed thereafter (with corresponding change in billing rates) only at intervals corresponding with the established primary divisions of the academic year.

**Transfer Students** Students who transfer from one North Carolina public institution of higher education to another are treated as new students by the institution to which they are transferring and must be assigned an initial residence-status classification for tuition purposes.

**Waiver of Tuition** Legal residents of North Carolina who have attained the age of sixty-five or certain family of deceased or disabled emergency workers who meet applicable admission standards, may enroll on a tuition-free basis if space is available, but must pay required fees. Further information is available from the Office of the Registrar.

**Financial Aid**

The financial aid office administers several programs that assist students in meeting educational costs while attending Western Carolina University. Awards are offered on the basis of both need and academic promise. Most awards are renewable, provided that financial need continues and satisfactory academic progress is maintained. Applications for consideration of eligibility are filed annually at no cost to the student and family.

Entering students interested in applying for financial aid must complete the Free Application for Federal Student Aid (FAFSA). Students who have previously completed the FAFSA should receive a renewal application from the federal processor prior to January 1. This must be submitted as soon as possible after January 1 of each year the student will attend. Western Carolina University should be listed as a recipient of the information. The FAFSA may be obtained from the WCU financial aid office or from a high school guidance counselor, or it can be accessed online at www.fafsa.ed.gov. The application should be completed as accurately as possible and conform with income tax information, since discrepancies require resubmission of information and consequent delay.

The WCU personal data form will be mailed to applicants upon receipt of information from the federal processor. Receipt of this information generally completes the application process, provided applicants are not selected for verification, which requires additional documents. Since the most attractive sources of financial assistance are very limited, applicants are encouraged to complete the FAFSA by the institutional priority deadline date of March 31. Failure to complete the application may result in the loss of institutional grants or scholarships.

Federal guidelines regarding student financial aid require that a recipient be making "satisfactory progress" toward a degree. A student must be progressing both qualitatively and quantitatively toward graduation within a prescribed time frame. To comply with these guidelines, Western Carolina University has defined minimum satisfactory academic progress for a full-time undergraduate student to remain eligible for financial aid according to the following criteria:

- all undergraduate students must complete at least seventy percent of all hours attempted at Western Carolina University,
- students who have attempted between six (6) and twenty-three (23) hours must have a cumulative GPA of at least 1.5.
• students who have attempted between twenty-four (24) and fifty-nine (59) hours must have a cumulative GPA of at least 1.8,

• students who have attempted sixty (60) hours or more must have a cumulative GPA of at least 2.0

To remain eligible for financial aid, a student must meet these minimum requirements

Students are expected to complete their undergraduate degree in eight semesters (four years). As required by federal regulations, no student receiving financial assistance can exceed 150 percent (twelve semesters) of the normal time (eight semesters) to complete an undergraduate degree. This allows for double majors and change of majors.

Notification of Awards: Notification of awards, beginning with completed applications for aid received prior to April 1, will begin April 1 and will continue thereafter. The processing time for applications is approximately six weeks after the file is complete.

Types of Aid: Three principal types of aid are available: (1) scholarships or grants, which do not have to be repaid, awarded directly to the student, (2) loans, usually long-term and low-interest, to be repaid after the student leaves college, (3) employment, often work related to the student’s field of study. Composite awards frequently are made, with the total amount dependent upon the student’s individual needs and financial situation. Application forms and further information are available from the financial aid office.

Loans

Federal Perkins Loan: These loans are awarded to undergraduate and graduate students who demonstrate financial need and meet the federal eligibility requirements. The maximum amount an eligible student may borrow is $4,000 per year as an undergraduate and $6,000 per year as a graduate. The maximum aggregate loan amount for an eligible undergraduate student is $20,000. A graduate student may borrow a maximum of $40,000 minus the amount borrowed as an undergraduate. Interest and repayment start nine months after the student leaves school or drops below half-time status. The interest rate is five percent.

Federal Direct Subsidized Stafford/Ford Loan: These government-subsidized loans are available to students through the U.S. Treasury. They are insured by the federal government and are available to undergraduate and graduate students who demonstrate financial need and meet the federal eligibility requirements. Depending on demonstrated need, a student may borrow up to $2,625 as a freshman, $3,500 as a sophomore, and $5,500 per year for the third through fifth years of undergraduate work. Graduate students may borrow up to $8,500 per year. There is a three percent origination fee with a variable interest rate based on the 91-day Treasury Bill plus 3.10 percent (capped at 8.25 percent). Repayment begins the day following expiration of a six-month grace period.

Federal Direct Unsubsidized Stafford/Ford Loan: The Federal Direct Unsubsidized Stafford/Ford Loan Program provides loans to students after their demonstrated need has been met. The maximum amounts to borrow are based on the grade level of the students. There is a three percent combined origination and insurance fee. The interest is the same as the subsidized Stafford and the borrower is responsible for accrued interest.

Federal Direct PLUS (Parents) Loans: These loans provide funds to parents to help meet the cost of education. They may borrow up to the cost of education per child minus other financial aid. There is a four percent origination fee with a variable interest rate based on the fifty-two week Treasury Bill plus 3.10 percent (capped at nine percent). Interest starts upon disbursement of funds. Repayment begins the date funds are disbursed. Borrowers may not have an adverse credit history to be determined eligible.

Loans for Study in Health, Science, and Mathematics: The North Carolina State Education Assistance Authority (NCSEAA) provides loans to North Carolina residents for study in selected health, science, and mathematics disciplines. Programs at Western Carolina University to which the loans are applicable are education majors in biology, chemistry, mathematics, and physical and health sciences, other areas include medical technology and nursing.
The amount of the loan is $4,000 annually to undergraduates during their second, third, and fourth years of study, and $5,000 for graduate students for two years. Recipients agree to cancel their obligation by securing full-time employment in designated shortage areas in health or in secondary or post-secondary school systems. For more information, contact the North Carolina Student Loan Program for Health, Science, and Mathematics, PO Box 20549, Raleigh, North Carolina 27619-0549 or telephone 919-549-8614.

North Carolina Four-Year Teaching Fellows Program. Established by the General Assembly, this program is designed to fully subsidize the college cost of up to 400 talented high school seniors. Recipients will receive up to $6,500 per year for each of their four years in college. For each year that a Teaching Fellow teaches in a North Carolina public school after graduating from college, one-fourth of the Teaching Fellows award will be forgiven by the state. Applications are available through high school guidance offices, high school teacher recruiters, and the North Carolina Teaching Fellows Commission, 3739 National Drive, Suite 210, Raleigh, North Carolina 27612 or telephone 919-781-6527.

North Carolina Prospective Teacher Scholarship-Loans. Financial assistance to full-time students in teacher education programs is available at $2,500 per academic year and may be continued for four years of undergraduate study if all prerequisites are met. Priority is given to students preparing for teaching in fields where the need is greatest. Scholarship loans are to be repaid in cash at six percent interest or by teaching in the public schools of North Carolina one year for each year of the loan.

Nurse Education Scholarship Loan Program. This scholarship loan program is based upon financial need to work in combination with existing financial resources. A scholarship loan may be repaid through service in the state following completion of the nursing program or repayment in cash plus ten percent interest from the date of disbursement. A completed Free Application for Federal Student Aid (FAFSA) is required for consideration. For additional information, contact the Financial Aid Office.

The Nurse Scholars' Program. Established by the North Carolina General Assembly, this competitive, merit-based scholarship loan program is available to North Carolina students of exceptional academic achievement and leadership potential who desire to enter the nursing profession. Applications for a NSP award may be made by individuals who have been admitted to a participating nurse-education program and who meet the minimum qualifications for selection. The North Carolina Nurse Scholars Commission selects 100 high school seniors for four-year scholarships at $5,000 per year and twenty-five upper-class recipients for $3,000 per year. A year of assistance may be repaid through a year of employment in a healthcare agency in North Carolina.

Pickett and Hatcher Educational Fund, Inc. The Pickett and Hatcher Educational Fund, Inc., is a private, nonprofit, noncommercial educational trust fund created to assist full-time undergraduate students in fields of study other than law, medicine, or the ministry. Low-interest loans with deferred payments are made to qualified residents of Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, or Virginia. The fund begins the distribution of application blanks for the next academic year on October 1. The deadline for returning the completed application is May 15. For information, write to Pickett and Hatcher Educational Fund, Inc., PO Box 8169, Columbus, Georgia 31908-8169.

Wachovia Charitable Funds Bank Loan. There are two separate accounts from which loans are available, the Thomas A. Case Student Loan Fund and the Lucius Lanier Memorial Funds. Applicants must reside in Western North Carolina, submit a written application, and appear for a personal interview in Winston-Salem, North Carolina. The maximum amount of loan is $1,500 per year with a maximum total of $6,000 per recipient. Interest on the loan is 5 percent on the unpaid balance and repayment begins within three months after the student terminates his or her enrollment. Applications and further information are available by contacting Wachovia Bank of North Carolina Charitable Funds, PO Box 3099, MC 31022, Winston-Salem, North Carolina 27150.
Grants

Federal Pell Grants  Eligibility for assistance under the Pell Program is based on financial need as determined by a formula of the U.S. Department of Education that is applied uniformly to all applicants. Awards range from $400 to $4,000 per academic year depending upon the cost of attendance. Students who complete the Free Application for Federal Student Aid (FAFSA) are considered for Federal Pell Grant eligibility.

Diversity Grant Program  The Diversity Grant Program awards grant funds in support of advancing the academic benefits of a diverse student body. These limited funds are awarded to North Carolina residents who demonstrate financial need and who would bring an element of diversity to Western Carolina University’s campus environment. All applicants must apply for financial assistance by completing the Free Application for Federal Student Aid (FAFSA).

Incentive Grant Program for Native Americans  Under this Board of Governors program, North Carolina residents demonstrating need who are Native Americans enrolled in a tribe recognized by North Carolina are eligible. All applicants must apply for financial assistance by completing the Free Application for Federal Student Aid (FAFSA) and an application form available in the Financial Aid Office. Students must demonstrate financial need and be enrolled as a full-time student. Awards are for $700 per academic year.

Federal Supplemental Educational Opportunity Grants  This program provides funds through participating educational institutions to undergraduate students with exceptional financial need who would be unable to enter or remain in an institution of higher education without such assistance. This grant is generally awarded only to students who are eligible for Pell Grants.

North Carolina Student Incentive Grant Program  Full-time undergraduate students who are legal residents of North Carolina may apply for grants based upon demonstrated financial need. Grants may not exceed $1,500 per academic year.

North Carolina Tuition Grants  Established by the General Assembly of North Carolina, these grants are awarded to North Carolina residents who are eligible for Pell Grants. The value of the grant is determined by the Pell Grant eligibility.

University of North Carolina Need-Based Grant  A student must be enrolled in at least six credit hours at one of the sixteen UNC system universities. Eligibility is based on a calculation of need, using income data from the Free Application for Federal Student Aid (FAFSA). Award amounts may vary, based on legislative appropriations.

Special Assistance

Veterans Administration Programs  Most veterans who served on active duty for more than 180 days, any part of which occurred after January 31, 1955, are generally eligible for financial support. Before communicating with the university about these benefits, prospective recipients should make inquiries and complete all requirements at their local Veterans Administration Office.

Vocational Rehabilitation Assistance  Assistance covering fees, books, and supplies is provided. To be eligible, an individual must have a disability that interferes with employment, show reasonable promise of becoming suitably employed within an acceptable period of time, and be of, or close to, working age. Further information can be obtained from local vocational rehabilitation offices.

War Orphans Education Assistance Act  Sons and daughters of deceased veterans and of totally disabled veterans who are eighteen through twenty-six years of age are eligible for financial aid if the death or disability of the parent was a result of service in the armed forces. Local Veterans Administration offices can supply complete details.

Employment

Federal Work-Study Program  Employment is available to eligible students to help them pay for college expenses. An effort is made to assign students to work related to their fields.
of study or to use their special interests and skills. This program is administered through the financial aid office.

**Graduate Assistantships** Stipends of $6,000 to $7,500, depending upon the assignment involved, are awarded to qualified graduate students through the Graduate School. These stipends require twenty hours of work per week.

**Resident Assistants** Positions as assistants in the residence halls are available to qualified undergraduate students. Contact the Department of Residential Living.

**Other Part-time Work Opportunities** A part-time job service for students is operated through the Career Services/Cooperative Education Office. All non work-study job opportunities on the campus and some off-campus jobs are posted with Career Services/Cooperative Education. Students should check the posted vacancies outside Rooms 230-237 of the Killian Annex Building.
SCHOLARSHIPS

Applying for Scholarships

The Office of Financial Aid manages academic scholarship awards supported by funds from donors. The Financial Aid Office cooperates with the admissions office and representatives from the colleges in screening applicants and making awards through the University Scholarship Committee. A scholarship application is not required to be considered. Students will be considered for all scholarships for which they may be eligible. For information about eligibility for academic scholarships, contact the Financial Aid Office.

A variety of departmental and athletic scholarship awards are available, and the admissions office manages scholarships for entering freshmen. For more information about freshman scholarships, contact the admissions office. Students who have declared a major should inquire in their academic department office or their college dean's office about scholarships in their discipline. For information about athletic scholarships, contact the athletics office.

Scholarship Listing

Western Carolina University is proud to recognize many of the generous contributors who have funded endowed scholarships for deserving students. The following is not intended to be a complete listing of all available scholarships.

Advertising Federation of Western North Carolina Scholarship Fund This endowed scholarship program, established by the federation to promote careers in advertising, provides support for rising, entering, or enrolled juniors and seniors pursuing a concentration of courses in the advertising/marketing field. Preference is given to students who demonstrate financial need, and the awards may be renewed for a total of two years. Contact the dean of the College of Business.

Mr. and Mrs. John W. Ashe Scholarship Fund This fund was established by a bequest from the estate of Beulah Ashe Ensley in honor and memory of her parents. Awards are for students from Jackson or Haywood counties who demonstrate financial need. Contact the Office of Financial Aid.

Biology Department Scholarship Fund This endowment, established by the faculty of the WCU Department of Biology, supports scholarships for biology students at Western Carolina University. Contact the head of the Department of Biology.

The Thomas W. Bird Scholarship Fund Established by a bequest from the estate of Thomas W. Bird, this fund supports needy and deserving students. Contact the Office of Financial Aid.

Bruce Blankenship Scholarship Fund This scholarship program provides financial support for students pursuing a college education while working full-time. Priority consideration is given to students studying psychology, social work, business administration, or curricula in the Department of Human Services. Contact the Office of Financial Aid.

Taft B. and Malvery Botner Scholarships Annual awards are made to academically outstanding students to pursue careers in elementary education and reading. Scholarships are renewable depending upon academic performance and continued promise of success in teaching. Contact the Department of Elementary and Middle Grades Education.

James L. Breece Scholarship Fund Established by James L. Breece, this scholarship fund provides support for a student who has graduated from a Western North Carolina high school, is majoring in chemistry, and is academically and financially in need of a scholarship. Dr. James Breece grew up in Waynesville, North Carolina, and was a 1967 graduate of Western Carolina University. Contact the head of the chemistry department.

Albert Dudley Brewer Scholarships These endowed scholarships, supported by the Adelaide Louise Brewer Fund, provide assistance for students with impaired hearing. Contact the Office of Student Affairs.
Frank H Brown Family Scholarships This endowment, which honors the long-time relationship of the Frank H Brown family with Western Carolina University, provides awards to chemistry students. Selection is based on scholastic attainments and capabilities, character, and overall potential. Contact the head of the chemistry department.

Gracie and David H Brown Sr Scholarships This endowment honors a former superintendent of Jackson County Schools and his wife, a Cullowhee community leader. Preference is given to visually impaired students. Contact the Office of Student Affairs.

The Mandy Buchanan and Daniel Ledford Music Scholarship Fund The families of Mandy Buchanan and Daniel Ledford established this memorial fund to provide scholarship support for students from Haywood County majoring in music who participate in Western's marching band. Contact the head of the music department.

Robert A “Art” Byrd Scholarship Fund This scholarship fund was established through the generosity of the friends and family of Robert A “Art” Byrd in his memory. The scholarship provides financial support for students who graduated from a McDowell County public high school and whose current permanent residence is in McDowell County, North Carolina. Contact the Office of Financial Aid.

The Dr Fred R and Bermece H Cain Scholarship Fund Dr Fred R and Bermece H Cain created this scholarship to assist students in obtaining a degree from Western Carolina University. Preference is given to Macon County residents. Contact the Office of Financial Aid.

Louise Mason Caldwell Scholarship Fund This endowed scholarship program provides financial support for Cherokee Indians to attend Western Carolina University. Contact the director of the WCU Cherokee Center.

Patrick Lee Carmody Scholarship Fund This memorial scholarship fund provides financial support for qualified students majoring in communication (radio and television). The awards are based on academic achievement, civic and social activity, and contributions to student programs and activities. Contact the Department of Communication and Theatre Arts.

The Channing C Carpenter Scholarship Fund This endowment was established by friends and family of Dr Chan Carpenter, who joined the WCU faculty in 1967. Dr Carpenter taught constitutional law and American government sub-specialties such as the presidency. He was selected SGA’s “Man of the Year” in 1969. Contact the head of the Department of Political Science.

The Christopher Thomas Cash/Sigma Nu Fraternity Scholarship Fund This memorial fund was established to make awards to brothers of Kappa Phi Chapter at Western Carolina University. Contact the Sigma Nu fraternity scholarship committee.

Katherine Causey Award This award provides financial support for women who graduated from high schools in Alamance, Guilford, and Randolph Counties or counties west of the above-named counties in North Carolina and who are majoring in biology or English. Contact the Office of Financial Aid.

The Ronnie G Childress Memorial Scholarship Fund This fund, established to support scholarships in baseball, honors the memory of Ronnie Childress. Ronnie, a 1970 WCU graduate, worked as a radio announcer at the family-owned radio station in Sylva. Contact the director of athletics.

Norma Brake Cook Scholarship This scholarship was established in honor of Norma Brake Cook who served as a Clinical Lab Sciences professor. Students must be accepted to and plan to participate in the Clinical Laboratory Sciences Program and demonstrate financial need. Contact the CLS Department.

Wilma Cosper Scholarship This scholarship program provides financial support for deserving students who have declared a major in one of the academic programs in the Human Environmental Sciences. Contact the dean of the College of Applied Sciences.
Crum Scholarship Fund  This endowed scholarship fund was established in honor of Joseph and Mabel Crum, former members of the Western Carolina University faculty. The fund provides support for undergraduate mathematics majors and English majors. Contact the appropriate department.

Cullowhee High School Alumni Scholarship Fund  This fund was established by alumni of Cullowhee High School to assist former students or relatives of former students, faculty, and staff of Cullowhee High in attending Western Carolina University. The recipient must demonstrate financial need and be approved by the Cullowhee High School scholarship committee. Contact the Office of Financial Aid.

Cullowhee School District Award  This award program provides funds for graduates of the Cullowhee school district who desire to attend WCU. Selection is based on achievement, participation in various school activities, overall social and civic contributions, and financial need. Contact the School Counselor at Smoky Mountain High School.

Andrea Culpepper Scholarship Fund  This memorial scholarship fund provides financial support for students enrolled in the nursing program. Contact the dean of the College of Applied Sciences.

Homer Ray Davis Scholarship  This scholarship was established to honor Homer Ray Davis, the son of Sue Morgan Davis of Jackson County. It provides scholarship assistance on a need basis to students from Jackson, Swain, and Macon Counties. Contact the Office of Financial Aid.

Drs A P and Frances Dickson Scholarships  A scholarship is awarded annually to a full-time undergraduate student who currently resides in Hoke County, North Carolina. Recipients are chosen by the financial aid office on the basis of academic standing and financial need. Contact the Office of Financial Aid.

District I, North Carolina Retired School Personnel Senior Scholarship  This scholarship will be awarded annually to a rising senior in the College of Education and Allied Professions who is a resident of one of the thirteen Western North Carolina counties. Contact the dean of the College of Education and Allied Professions.

The Barbara and James Dooley Music Award  Established by Dr. and Mrs. James E. Dooley, this fund provides support for outstanding piano students. For more information, contact the head of the Department of Music and the director of the WCU Concert Choir.

Winston A. Felts Scholarships  These endowed scholarships honoring Winston Felts are awarded to students from Mitchell County who are majoring in music or teacher education on the basis of academic achievement, overall civic and social activities and contributions, and financial need. Contact the Office of Financial Aid.

Ulysses H. Ferguson Family Scholarships  This endowment honors the memory of Edna Ferguson Rogers, an outstanding, dedicated teacher. It supports awards for students from Haywood County on the basis of financial need. Contact the Office of Financial Aid.

Mary Woods Flintom Scholarships  This endowment honors a former staff member, provides scholarships on the basis of overall social, civic, and academic achievement and potential, as well as financial need. Contact the Office of Financial Aid.

Xena Bristol Forsyth Scholarships  This endowment honors Mrs. Xena Bristol Forsyth and her son, William Frank Forsyth. It supports awards for juniors and seniors in the College of Business. Preference is given to students from Cherokee, Clay, and Graham counties. Contact the dean of the College of Business.

Gern Wright Garrett Scholarship  This scholarship is designed to assist female students from Swain, Graham, and Macon counties attending Western Carolina University. Preference will be shown to non-traditional students from Swain County who demonstrate financial need.
The Sam Gibson Scholarship  This renewable scholarship, established by Charles Yandell, a close personal friend of Sam Gibson, provides support for education students attending Western Carolina University. Selection is based on the combination of financial need, academic qualifications, and overall achievements. Contact the Office of Financial Aid.

Linda Jones Hudson Gilbert Scholarship  This scholarship assists students from Western North Carolina in obtaining a degree in education. Selection will be based on demonstrated financial need. Preference will be shown to first generation college students. Contact the Office of Financial Aid.

The Timothy Edward and Betsy Jones Gillespie Scholarship Fund  Established by Tim and Betsy Gillespie, this fund assists students from Western North Carolina in obtaining a computer information systems degree. Recipients must be from Western North Carolina, demonstrate financial need, and be a rising junior or senior computer information systems major. Preference will be given to students who demonstrate significant community and campus involvement. Contact the computer information systems department.

Glaxo Women in Science Scholarship  The Glaxo Women in Science Scholars endowed scholarship is established to provide scholarships for full-time women students at WCU. The purpose of the scholarship fund is to recognize outstanding scholarship, to provide an incentive for women science students to enter the science professions, and to provide students with a woman scientist mentor at Glaxo Inc. Contact the dean of the College of Arts and Sciences.

The Joshua Thomas Grooms Scholarship Fund  This scholarship was established in the memory of Joshua Thomas Grooms, who was a student at Western. This fund is designated to assist industrial distribution juniors and seniors in pursuing their degree from WCU. The recipient must demonstrate financial need. Contact the engineering technology department.

Inez Wooten Gulley Scholarships  This endowment, honoring a former head of the music faculty, supports awards for music students. An audition is required. Contact the head of the Department of Music.

David McKee Hall Jr. Scholarships  These renewable scholarships are based on academic achievement, leadership ability and potential, and civic and social activities and contributions. Preference is given to students from the Eleventh Congressional District who plan to pursue the study of law or a related field. Contact the dean of the College of Business.

The Lola Harwood Fund  This scholarship, established in memory of John Henry and Mary Ida Harwood of Swain County, provides scholarships to Western North Carolina students who excel academically. Contact the Office of Financial Aid.

The L Milton Hauser Scholarship Fund  This memorial fund, established by the family of L Milton Hauser, provides awards to students majoring in elementary or middle grades education. Contact the Office of Financial Aid.

Haywood County Western Alumni Scholarships  These endowed scholarships are awarded to Pisgah and Tuscola High School graduates as recommended by high school counselors on the basis of financial need. Contact the Office of Financial Aid.

Horatio A. and Adah G. Helder Scholarships  Graduates of public high schools in Haywood County who have financial need may receive scholarships to attend Western Carolina University. Each scholarship is renewable for four years. Contact a high school guidance counselor.

Billy and Ruth Hice Scholarships  Established in memory of Billy and Ruth Hice, this scholarship fund supports students who are pursuing a degree in history. Contact the head of the history department.

The History Department Academic Excellence  Established by the faculty in the Department of History, these scholarship awards are for students planning to pursue a major in history. Consideration for scholarship will be based on merit. Contact the history department.
Dillard Hooper Scholarship  Established through a bequest from the estate of Louise Hooper, this scholarship will be awarded annually on the basis of financial need to two students from Jackson County who attend Western Carolina University  Contact the Office of Financial Aid

Hospitality Management Scholarship Fund  Established by WD McKee Sr., this scholarship will provide financial support for students majoring in hospitality management  Contact the dean of the College of Applied Sciences

The H T and Glen Weaver Hunter Memorial Scholarship Fund  This scholarship fund was established through the generosity of Miss Marthlou Hunter, a 1930 graduate of Western Ms Hunter's father, Hiram T Hunter, was president of Western from 1920 until his death in 1946  Preference is given to entering freshmen on the basis of financial need, and renewals depend upon satisfactory progress  Contact the Office of Financial Aid

Marshall Hyde Scholarships  These scholarships are awarded to undergraduate students from Graham County who have expressed an interest in horticulture, forestry, or environmental improvement  Contact the Graham County school superintendent

Wallace Hyde Scholarship Fund  Established by Mrs Hyde in honor of her husband, this scholarship fund provides financial assistance to qualified and deserving high school graduates residing in Graham County or surrounding counties  Contact the Office of Financial Aid

Independent Insurance Agents of North Carolina Scholarship Fund  This fund was established by Tim Laney, president of the IIANC, to provide scholarships for students who are pursuing careers in insurance, risk management, or general business  Contact the dean of the College of Business

Jackson County Western Alumni Scholarship Fund  This scholarship fund was established by the alumni and friends of Western Carolina University in Jackson County to provide financial support for deserving young Jackson County students in baccalaureate degree programs at Western  Scholarship recipients are selected from Blue Ridge and Smoky Mountain High Schools on the basis of financial need and other criteria  Contact the Office of Financial Aid

Kendall W King Scholarship Fund  The purpose of this scholarship fund is to provide financial support for worthy and deserving international students  Undergraduate and graduate students are eligible for the award  Contact the dean of Research and Graduate Studies

Jay I Kneedler Scholarships  Awards are made to juniors and seniors in the College of Business based on overall social, civic, and academic achievement and potential  Contact the dean of the College of Business

The Linda Reep Lankford Scholarship Fund  This scholarship, established by Jesse R Lankford in memory of his wife, Linda Reep Lankford, provides assistance to students majoring in elementary or middle grades education  Contact the dean of the College of Education and Allied Professions

John Sam and Zonell McPhail Lay Endowment  Established by the John Sam Lay Trust, this scholarship provides financial support for students from South Carolina who are attending Western Carolina University

Nell M Leatherwood Scholarships  This endowment provides scholarships, renewable for four years, to help deserving students of Swain County  Applications are available from high school guidance counselors  Contact the Office of Financial Aid

The John Donivan Hales/Jessie Lindsay Scholarship Fund  This fund was established by Jessie Lindsay Hales in memory of her husband, John Donivan Hales  Awards are made to students who are residents of Swain County and who have expressed an intention to major in elementary education  Contact the dean of the College of Education and Allied Professions
The “Little E J” Scholarship Fund  This fund, established by Blanton and E J Whitmire in honor of the son of E J and Genevieve Whitmire, provides support for students majoring in special education  Contact the head of the Department of Human Services

James Lee Love Scholarship  This scholarship is awarded annually to a full-time North Carolina resident undergraduate student  Recipients are chosen by the financial aid office on the basis of academic standing and financial need  Contact the Office of Financial Aid

Ernest C McCracken Scholarships  These endowed scholarships provide awards based on financial need and overall social, civic, and academic achievement and potential  Contact the Office of Financial Aid

The Macon Bank Scholarship Fund  The purpose of this fund is to provide support for outstanding students from the North Carolina counties served directly by Macon Savings Bank, currently Macon, Cherokee, Clay, Henderson, Jackson, and Transylvania  Contact the Office of Financial Aid

The Dean Martin Business Fellowship Fund  This scholarship was established in memory of Dr M Dean Martin, a professor in business  Business students majoring in management, marketing, or graduate business programs receive awards based upon academic achievement, promise for continued scholarly accomplishment, and leadership potential  Contact the dean of the College of Business

George A Milton Scholarship  Awarded to undergraduate students majoring in mathematics or mathematics education  Applicants must have scored at least a 550 on the mathematics portion of the SAT or an equivalent score on a comparable test and maintained at least a “B” average in all high school mathematics courses  Contact the Office of Financial Aid

Alice Mathews Scholarship Fund  This endowed scholarship fund was established to honor a former member of the Western Carolina University faculty, Dr Alice Mathews  The fund provides support for deserving students in the liberal arts with priority consideration given to students with a 4.0 GPA in their major  Contact the history department

The Morrill Family Memorial Fund  This memorial fund provides financial support for graduate students conducting research related to improving teaching  Contact the dean of the College of Education and Allied Professions

The Mountaineer/Josephus Daniels Scholarship Award  Established by the Josephus Daniels Charitable Foundation for students from the primary circulation area of the Enterprise Mountaineer newspaper  Eligibility is based upon academic record, potential for continued achievement, successful participation in school-sponsored activities, leadership ability and potential, social and civic contributions, and need  Contact the Office of Financial Aid

The Raymond Edward Nelson Lambda Chi Alpha Scholarship Fund  This fund provides scholarship support for deserving young brothers of the Lambda Chi Alpha, Beta Zeta Chapter of Western Carolina University  Brothers are selected for high academic achievement, participation in various school activities, and overall social and civic contributions  Contact the fraternity for information

The Helga Nielsen Scholarship Fund  This fund was established through the generosity of Helga Nielsen to provide scholarship assistance for Cherokee Indian students  Contact the director of the Western Carolina University Cherokee Center

Josefina Niggli Scholarships  These endowed scholarships honoring Josefina Niggli, distinguished playwright and teacher, are made to students majoring in theatre arts with established records of achievement in the WCU theatre  Contact the head of the Department of Communication and Theatre Arts

The Lucy Ann Nordyke Fellowship Fund  This scholarship was established by Martha Jean Rice in memory of her grandmother, Lucy Ann Nordyke, who was born in 1861 in the Cherokee Nation West  Scholarship support is provided for students pursuing a master’s degree in history and performing research in Cherokee Indian Studies  First priority is given to Cherokee Indians and Cherokee descendants  Contact the head of the history department
Clyde M. Norton Scholarships. This endowment, established by the Norton family, honors the memory of Clyde Norton, an outstanding leader in business and public affairs in Western North Carolina. The fund provides support for students from McDowell County. Contact the Office of Financial Aid.

J.W. and Patricia Palmer Scholarships. These endowed scholarships are awarded annually to students selected on the basis of academic achievement, civic and social activities, and leadership potential. Preference is given to residents of Clay County. Scholarships cover tuition, fees, room and board, and are renewable for four years. Contact high school counselor.

The James William Pearce Scholarship Fund. This fund was established in memory of Dr. James William Pearce, who was an active member of the management faculty. This fund is designated to assist students in obtaining a management degree from Western Carolina University. The recipient must be a rising senior, management major, and demonstrate significant service activities. Contact the management department.

Pi Kappa Alpha/Robert L. Waters Scholarship Fund. This scholarship program is a memorial to Robert L. Waters for his outstanding leadership at Western Carolina University and in the Zeta Xi Chapter, Pi Kappa Alpha fraternity. Recipients are selected on the basis of academic achievement, participation in school and community activities, demonstrated social and civic contributions, and financial need. Contact the fraternity scholarship committee.

The Dean Carroll Plemmons Scholarship Fund. The fund has been established by the family of Dean Plemmons in recognition of his personal achievements and contributions to his profession and to society in general. The scholarship provides financial support for returning students whose records at Western Carolina University reflect sound accomplishment in the classroom, as well as successful participation in civic and social organizations. Contact Student Affairs.

The Brank and Juanita Farmer Proffitt Scholarship Fund. This scholarship was established by Mrs. Juanita Proffitt in honor of her husband, Dr. Brank Proffitt, to assist students originally from Madison County with their efforts to obtain a degree from Western Carolina University. Contact the Office of Financial Aid.

Jonathan Graham Pruett Scholarships. This endowment, a memorial to a former student, supports scholarships to worthy students who are active in the music program. Preference is given to students from Surry County who are in the band. Contact the Department of Music.

The Lawrence and Geneva Ramsey Scholarship. This scholarship was established in 1998 by Mylie Ramsey in memory of Lawrence and Geneva Ramsey. It provides support for Jackson County students who are rising Western Carolina University juniors. Contact the Office of Financial Aid.

The Ramsey Family Scholarship Fund. This scholarship established in memory of Dr. Donald Ramsey, a Sylva optometrist, provides a full tuition award to a junior majoring in one of the preprofessional health sciences. Contact the head of the biology department.

Bronce and Betty Ray Scholarships. These scholarships for students majoring in business who live in the seventeen-county region of Western North Carolina are awarded on the basis of academic achievement, participation in various school activities, social and civic contributions, and financial need. Contact the dean of the College of Business.

The Leone Hyde Ray Scholarship. The family of Leone Hyde Ray established this endowed fund to provide scholarship support for education students attending Western Carolina University. This scholarship is awarded each year to a graduating high school senior from Graham County who has an interest in becoming a classroom teacher. Contact the Office of Financial Aid.

The Freda Rayburn Scholarship for Women in Business. The purpose of this scholarship fund is to support women who have leadership potential in business and provide opportuni-
ties for them to participate in education for careers in business. Scholarships are available at the undergraduate and graduate levels. Contact the dean of the College of Business.

The Ed and Bertha Henson Reed Scholarship: This fund was established in memory of Mrs. Edwards' parents, Ed and Bertha Henson Reed, who were lifelong residents of Jackson County, North Carolina. The purpose of the fund is to provide support for Western Carolina University students from Jackson County who are majoring in education or business and who have proven themselves to be financially and academically deserving. Contact the Office of Financial Aid.

Frances and Ted Reese Scholarship: This endowment, established by Frances and Ted Reese, supports scholarships for business students majoring in marketing. Recipients must be residents of North Carolina and rising seniors. Contact the dean of the College of Business.

Paul A. Reid and Paul A. Reid Surry County Scholarships: Grants are available to graduates of Surry County high schools to attend Western Carolina University either as undergraduate or graduate students. Applications are available from high school guidance counselors. Contact the Office of Financial Aid.

Richard and Marian Renfro Scholarships: These endowed high school scholarships, which honor professors emeriti Richard and Marian Renfro, are awarded to students majoring in music education. Contact the head of the music department.

The John and Elisabeth Rice Scholarship Fund: Students who have declared a major and are working in a biology program of study are eligible for consideration. Contact the head of the biology department.

The Bobby S. and Anne B. Robinson Scholarship Fund: Established through the generosity of the I.L. Long Construction Company in Winston-Salem, this scholarship is to provide support for incoming freshmen from McDowell County or Swain County High Schools who demonstrate financial need. Contact the Office of Financial Aid.

Charles B. Ross Jr. Golf Scholarship: This scholarship was established in loving memory of Charles B. Ross Jr. Candidates must be contributing members of the intercollegiate golf teams and shall be considered on the basis of their integrity, financial need and academic qualifications. Contact the Athletics Department.

The Richard Thomas Ruhlman/Sigma Nu Fraternity Scholarship Fund: This endowed fund was established in memory of Richard Thomas Ruhlman, a former student at Western Carolina University. The purpose of the scholarship fund is to provide financial support to a qualified and deserving brother of the Sigma Nu Chapter at Western Carolina University. Contact the fraternity scholarship committee.

The St. David's Award: Established by Carl Richard Hill and the vestry of Saint David's Episcopal Church of Cullowhee, this fund provides financial support to deserving young people who have earned an associate degree at Southwestern Community College and who desire to pursue a baccalaureate degree program at Western Carolina University. Contact the Office of Financial Aid.

The Daniel Saddler Scholarship: Established by the family of Daniel L. Saddler, this scholarship provides support for graduate level counseling students. Dan Saddler, a professor and counselor trainer at Western Carolina University from 1972 until 1989, used his extraordinary insight to encourage students to reach their full potential as counselors and individuals. Contact the dean of the College of Education and Allied Professions.

The Sandlin-Morns Scholarship: This endowed fund provides scholarship support for students from Haywood, Jackson, or Swain counties. Selection will be based on a combination of financial need, academic qualifications, and overall achievements. Contact the Office of Financial Aid.

Jane B. Schulz Scholarship: The purpose of the Jane B. Schulz Scholarship Fund is to provide financial assistance to late entry students (initial entrance into college at least two
calendar years after high school graduation) who express interest in the Special Education Major Contact the Office of Financial Aid

The Laura and Phillip Sherrill Scholarship The purpose of this fund is to provide a scholarship to a rising senior who is a resident of North Carolina in the College of Business Contact the dean of the College of Business

Doug Shirley Scholarship This fund has been established in memory of Doug Shirley who was a dedicated member of the Zeta Omicron Chapter of the Tau Kappa Epsilon Fraternity This fund is designed to assist fellow "Tekes", their sons and grandsons Students must demonstrate community and civic involvement and financial need Contact the Tau Kappa Epsilon Fraternity

Jessie Siler Sloan and Georgia Neville Sloan Scholarship Awards, one to a junior and one to a senior in the College of Arts and Sciences, are made on the basis of academic achievement and financial need Preference is given to residents of Macon County, North Carolina Contact the dean of the College of Arts and Sciences

Lewis J. Smith Scholarship Fund. These endowed scholarships, which honor Lewis J Smith, a founder of the Cullowhee School and the first chairman of the board of trustees of Cullowhee School, are awarded to students majoring in history or education on the basis of financial need and other criteria Contact the Office of Financial Aid

C D Spangler Jr Scholarship for Minority Students This endowed scholarship program's purpose is to provide financial support for deserving young minority students Awards are based upon high academic achievement, successful participation in various school activities, overall social and civic contributions, and financial need Contact the Office of Financial Aid

The Otto Spilker Scholarship. Established by friends and colleagues of Otto Spilker, this scholarship endowment assists students in their efforts to obtain a degree from Western Carolina University Contact the head of the Department of Health and Human Performance

State Employees' Association of North Carolina Scholarships. State employees, their spouses, and their children who have financial need and demonstrate academic potential are eligible for these awards Contact the Office of Financial Aid

The Lorraine Kronholm Stone Scholarship Fund This memorial fund was established to provide scholarship support for "non-traditional" students majoring in studio art or art education Contact the head of the art department

The Stephanie Ann Stow Scholarship Fund The family of Stephanie Ann Stow has established this memorial fund to provide scholarships to support education students who are doing their student teaching Preference is given to students from Asheville High School or other Buncombe County high schools Contact the dean of the College of Education and Allied Professions

C M and M D Suther Scholarships These nonrenewable scholarships are awarded annually to North Carolina resident undergraduate students on the basis of academic standing and financial need Contact the Office of Financial Aid

The Elizabeth Thompson Scholarship Established by Mrs Elizabeth Thompson, this renewable scholarship is designated to assist education majors in attending Western Carolina University Contact the Office of Financial Aid

Duncan Tye Scholarship This scholarship was established by friends and family in memory of Duncan Tye, who taught for twenty years in the College of Business at Western Carolina University It provides awards to rising seniors majoring in economics or finance Contact the dean of the College of Business
The Rachel R Williams Sweet Scholarship Fund  The fund has been established for the purpose of honoring Rachel R Williams Sweet, a 1935 graduate of Western Carolina University, and to provide financial support to undergraduate students who have expressed an intention to pursue early childhood education as their major course of study  Contact the dean of the College of Education and Allied Professions

Roy A Taylor Scholarships  Scholarships are awarded to students in speech or public relations  Contact the head of the Department of Communication and Theatre Arts

The Varner Scholarship  This endowment fund supports scholarships for high school students from Swain County  Contact the Office of Financial Aid

Mary and Charles Wayte Graduate Scholarship Fund  This fund was established by the Waytes to support scholarships for graduate students in business and education  Contact the dean of the College of Education and Allied Professions or the dean of the College of Business

The Curtis L and Brenda C Wellmon Scholarship Fund  This scholarship, established by the Wellmons, provides support to graduates of East Burke High School in Icard, North Carolina, who demonstrate financial need  Contact the Office of Financial Aid

Myrtle Olivia Whitmire Scholarships. Students who are residents of North Carolina and who are planning careers in early childhood education are eligible for annual awards  Contact the dean of the College of Education and Allied Professions
ACADEMIC REGULATIONS

Each annual undergraduate catalog issue of The Record becomes effective at the opening of the fall term. To receive a degree, a student must satisfactorily complete all requirements of the catalog in effect at the time of first enrollment. A student who leaves the university for a period of one calendar year or longer and then returns to the university will be required to meet the requirements in effect at the time of return. A student who changes to another major will be required to meet the requirements in effect at the time of the change. A student who takes longer than seven years to graduate may become subject to current catalog requirements. Exceptions to these policies may be necessitated by changes in course offerings, degree programs, or by action of authorities higher than the university, but every effort will be made to avoid penalizing the student.

By exercising a written option, a student may choose to graduate under the terms of a catalog in effect at a time later than provided for above. Students should discuss this option with their academic adviser, who will notify the Registrar’s Office of the desired change.

Courses listed in the catalog are offered at times appropriate for maximum availability to students, listings for each term are prepared well in advance. The university reserves the right to withdraw a course if registration is insufficient to justify offering it at the time planned.

Every effort has been made to assure the accuracy of this catalog to the extent possible at press time. However, changes in or elimination of provisions contained herein on any and all matters, including courses, course descriptions, designations of faculty, fees and other charges, admission and degree requirements, and academic policies and procedures, may be made and applied before the next catalog is published. Students should contact the appropriate department head, dean, or other administrative officer for current information.

Scholastic Status Check. Each student is expected to know the information in the catalog and to verify that qualitative and quantitative requirements for a particular class rank and for proper progress toward graduation are being met. All students should check official records periodically to confirm their status. The university does not assume responsibility for the student’s unexpected failure at the last minute to meet all requirements for graduation, whether failure is due to misunderstanding or negligence concerning those requirements or to an inability to meet them.

Registration

Registration takes place on designated days at the beginning of each semester and summer term. Students already enrolled also may register early for the next term during each regular semester. New students who attend one of the summer orientation sessions are registered for the following fall semester during the conference.

Late Registration. Except under special conditions, no student is permitted to register or add courses after the last day of late registration as announced in the academic calendar. A late registration fee will be charged.

Credits, Grades, and Quality Points

The basic unit of credit is the semester hour. A semester hour represents one lecture-recitation hour or a minimum of one, two, or three laboratory hours a week for a semester. In experiential courses, a minimum of three hours is required per hour of credit.

Course Load for Undergraduates. The minimum full-time course load during a fall or spring semester is twelve hours. A normal load is sixteen hours, however, a student may take up to nineteen hours. Any schedule that exceeds nineteen hours constitutes an overload and must be approved by the student’s adviser and the appropriate administrators as indicated on the request and approval form. Twelve hours is the maximum that may be earned in experiential courses during a semester. Course load regulations for the summer session are published in the Summer School Schedule of Classes.
Classification. Regular degree-seeking undergraduates are classified based upon cumulative hours earned:

- **Freshman**: 0-29 hours
- **Sophomore**: 30-59 hours
- **Junior**: 60-89 hours
- **Senior**: 90 or more hours

Grading and Quality Point System*

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*See Graduate Catalog for the graduate level grading system

The grades of A, A-, B+, B, B-, C+, C, C-, D+, D, D- and F indicate gradations in quality from Excellent to Failure. Please note that a C- grade is less than satisfactory and may not meet particular program and/or course requirements.

Students must be familiar with the class attendance, withdrawal, and drop-add policies and procedures.

**Incomplete.** The instructor may grant a student an I grade for work not completed if there is a reasonable prospect that the student can pass the course by making up the work missed if the incompleteness is unavoidable and not caused by the student's negligence. All incomplete grades must be removed and a grade of A, A-, B+, B, B-, C+, C, C-, D+, D, D-, F, S, or U must be submitted to the registrar. The work must be made up and a grade received by the registrar by the last day of classes of the next regular semester, or the grade will become an F. A student may not re-register for the course until the I is removed or changed to an F. The instructor is required to list the conditions to remove the I and send them to the department head. If the instructor is no longer employed by the university, the department head will remove the I. In extenuating circumstances, students should refer to the "Academic Appeals Procedure" section in The Record.

**In Progress.** In-progress grades are assigned only in selected courses which have been approved for IP grading and are pending until the work is completed.

**Satisfactory-Unsatisfactory.** S/U grading is limited to courses in which standard or traditional grading is rendered difficult by the nature and purpose of the courses. There is no limit on the credit hours a student may earn in S/U grades except that imposed by the types of courses approved for such grading. S/U grades may not be awarded in courses unless specified in the course descriptions in this catalog and in the master class schedule. S and U are the only grades assigned in these courses. Neither grade is used in calculating the GPA, but an S allows hours of credit while a U does not.

**Audit.** When space is available, a registered student may audit a course with the approval of the adviser, the instructor, and the head of the department offering the course. A completed course audit form must be submitted in order to enroll. Change from audit to credit, or the reverse, is permitted only during the regular schedule adjustment period. No credit is earned for auditing, but the audited course must not add hours in excess of the student's maximum...
An audited class will be noted on the student's transcript. Audit courses do not count toward the twelve hours required for full-time enrollment. Participation in class activities is optional with the instructor. Tuition and fees for audited courses are determined by the hour value of the courses.

**Final Grade Changes.** When a grade other than incomplete is reported officially by an instructor at the end of a term, the grade is recorded and can be changed only if an error was made in estimating or reporting it. The instructor will, with the approval of the department head, report the error in writing to the dean with a recommendation about the action to be taken. Only the instructor can change the grade in a course except as provided in the incomplete grade policy. Any request by a student for a change in a final grade must be submitted to the instructor within thirty-five days after the end of final exams.

**Withdrawal Policies and Procedures**

A student may find it necessary or advisable to withdraw from one or more courses during a term. In some cases, he/she may find it necessary to withdraw from the university.

**Course Withdrawal.** After consultation with the academic adviser and the instructor of the course, a student may withdraw from any course prior to the expiration of one-half of the term and receive a "W." A completed withdrawal form must be presented to the registrar prior to the withdrawal deadline for posting. Course withdrawals do not count toward the twelve hours required for full-time enrollment.

After one-half of a term, but prior to the fourteenth week of the semester (or before the last two class days of summer sessions), a "W" will be assigned only for written verifiable mental health, medical, legal, or administrative reasons. In order to obtain a "W," the student must first consult with the course instructor, who may elect to support or withhold support for the student's request. If the instructor supports in writing the student's request, the student must receive written verifiable support from Western Carolina University Health Services' staff, Counseling and Psychological Services' staff, an official court of law, or a college dean, as appropriate. If a withdrawal is granted by the course instructor, the head of the department offering the course, and the student's adviser, the withdrawal form must be submitted to the registrar no later than the last day of the thirteenth week of the semester. No Ws will be assigned after the last day of the thirteenth week of a semester, or during the last two class days of a summer session. In extenuating circumstances, or if the student's request is not approved by any university party involved, the student can appeal through the Academic Appeal Procedure within thirty-five days after the end of final exams.

**University Withdrawal.** To withdraw from the university (i.e., cease to attend all courses), a student must complete a withdrawal form from the Office for Student Affairs. If an emergency prevents a student from completing the withdrawal process before leaving the campus, the student should call, write, or arrange for a relative to contact the Office for Student Affairs at 828-227-7234. Any time a student is forced to withdraw from the university during a term for mental health, medical, legal, or administrative reasons which are verified in writing, a grade of W will be assigned in all courses in which the student is registered. If a student withdraws from the university for other than mental health, medical, legal, or administrative reasons after one-half of the total class time has elapsed, an F, W, or I grade will be assigned by the instructor according to the following guidelines:

1. A W grade will be assigned if the student is passing or if the student's progress has not been evaluated.
2. An I grade will be assigned if the instructor agrees that there is a reasonable prospect that the work can be made up and agrees to allow the student to do so.
3. An F grade will be assigned if the student is failing.
Current policies and procedures pertaining to grades, indebtedness, and refunds are applicable upon withdrawal from the university. A student who withdraws from the university either during or at the end of a term for any reason is responsible for clearing any indebtedness in the housing office, bookstore, financial aid office, controller’s office, library, university police department, academic departments, and health services.

**Psychological/Mental Health University Withdrawal and Readmittance.** If a student obtains a psychological or mental health withdrawal, readmittance to Western Carolina University is contingent upon review by Counseling and Psychological Services to ensure that recommended services can be obtained. These students will not be allowed to preregister or register for future classes until they have met the criteria outlined at the time of withdrawal.

**Return to Residential Hall after Psychiatric Hospitalization.** Students hospitalized for psychiatric reasons, while living in the residence halls, must meet the Guidelines for Conditional Return to Residence Hall before returning to live in the residence hall. This includes meeting with Residential Living and Counseling and Psychological Services Center staff to address personal safety and related concerns.

**Academic Appeals Procedure.** Undergraduate students who wish to appeal an assigned grade should follow, in order, the academic appeal procedure: (1) appeal verbally to the instructor, (2) appeal in writing to the instructor’s department head, (3) appeal in writing to the dean of the instructor’s college, (4) appeal in writing to the Academic Problems Committee as outlined below. Any request by a student for a change must be submitted to the instructor within thirty-five days after the end of final exams.

Undergraduate students who have other problems related to instruction are encouraged to discuss those problems and possible solutions with the instructor or student’s academic adviser. If this is not possible, the student should talk to the department head or appropriate dean.

The Academic Problems Committee is comprised of five members, including two students chosen by the SGA and three faculty members. In order to appeal to the Academic Problems Committee, students should write a one- or two-page letter to the faculty chair of the committee succinctly stating the grounds for the appeal and the requested action to resolve the appealed issue. After deliberation, the committee will make recommendations to the vice chancellor for academic affairs. The vice chancellor’s decision may be appealed to the chancellor. Additional information about the composition and procedures of the Academic Problems Committee is available in the *Faculty Handbook*, or in the Office for Academic Affairs.

**Academic Honesty Policy.** Western Carolina University, a community of scholarship, is also a community of honor. Faculty, staff, administrators, and students work together to achieve the highest standards of honesty and integrity. Academic dishonesty is a serious offense at WCU because it threatens the quality of scholarship and defrauds those who depend on knowledge and integrity. Academic dishonesty includes the following:

A. **Cheating** Intentionally using or attempting to use unauthorized materials, information, or study aids in any academic exercise.

B. **Fabrication** Intentional falsification or invention of information or citation in an academic exercise.

C. **Plagiarism** Intentionally or knowingly representing the words or ideas of someone else as one's own in an academic exercise.

D. **Facilitation of Academic Dishonesty** Intentionally or knowingly helping or attempting to help someone else to commit an act of academic dishonesty, such as knowingly allowing another to copy information during an examination or other academic exercise.

For specific information on procedures for cases involving allegations of academic dishonesty, see relevant sections in the *Student Handbook*. 
Transcripts. Transcripts are furnished, either to the student or by mail, only after accounts are cleared and only upon the student's written request, which must include the student's signature and student identification number. There is no charge for transcripts issued.

The forgery of transcripts and diplomas or the use of such documents with intent to defraud is illegal under North Carolina law. Appropriate action will be taken.

Family Educational Rights and Privacy Act

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights include:

1. The right to inspect and review the student’s education records within 45 days of the day the University receives a request for access. Students should submit to the registrar's office written requests that identify the record(s) they wish to inspect. The registrar's office will make arrangements for access and notify the student of the time and place where the records may be inspected.

2. The right to request the amendment of the student’s education records that the student believes are inaccurate or misleading. Students who believe that their education records contain information that is inaccurate or misleading, or is otherwise in violation of their privacy or other rights, may discuss their problems informally with the university director of Equal Opportunity Programs. If the decision is in agreement with the students' requests, the appropriate records will be amended. If not, the students will be notified within a reasonable period of time that the records will not be amended, and they will be informed by the director of Equal Opportunity Programs of their right to a formal hearing.

3. The right to consent to disclosures of personally-identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. One exception that permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff), a person or company with whom the university has contracted (such as an attorney, auditor, or collection agent), a person serving on the Board of Trustees, or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

4. The right to file a complaint with the Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Avenue, SW, Washington, D.C. 20202-4605 concerning alleged failures by Western Carolina University to comply with the requirements of FERPA.

Western Carolina University hereby designates the following categories of student information as public or “Directory Information.” Such information may be disclosed by the institution for any purpose, at its discretion:

- Student name
- Local and home address
- Telephone numbers
- Classification
- Parent/guardian
- County
- Major field of study
- Photograph

- Dates of attendance
- Degrees
- Honors and awards received
- The most recent previous educational agency or institution attended by the student
- Participation in officially recognized activities and sports
- Weight and height of members of athletic teams
- Electronic mail (E-mail) address
Students may withhold directory information by notifying the registrar in writing within five working days from the first day of classes for the fall term, or by the first day of classes for subsequent terms. Students are warned, however, prior to making a decision to withhold personally-identifiable data, that undesirable consequences frequently occur, such as names of students on the Deans' List are not published, names are not listed in commencement bulletins, and requests from prospective employers are denied. Forms are available in the Office of the Registrar, 201 H F Robinson Administration Building, and on the Web at registrar.wcu.edu/forms.

Western Carolina University’s complete FERPA policy may be obtained from the Office of the Registrar, 201 H F Robinson Administration Building.

Students’ Education Records At General Administration of The University of North Carolina: Annual Notification of Rights.

Certain personally-identifiable information about students (education records) may be maintained at The University of North Carolina General Administration, which serves the Board of Governors of The University system. This student information may be the same as, or derivative of, information maintained by a constituent institution of The University, or it may be additional information. Whatever their origins, education records maintained at General Administration are subject to the federal Family Educational Rights and Privacy Act of 1974 (FERPA).

FERPA provides that a student may inspect his or her education records. If the student finds the records to be inaccurate, misleading, or otherwise in violation of the student’s privacy rights, the student may request amendment to the record. FERPA also provides that a student's personally-identifiable information may not be released to someone else unless (1) the student has given a proper consent for disclosure or (2) provisions of FERPA or federal regulations issued pursuant to FERPA permit the information to be released without the student's consent.

A student may file with the U.S. Department of Education a complaint concerning failure of General Administration or an institution to comply with FERPA.

The policies of the University of North Carolina General Administration concerning FERPA may be inspected in the office at each constituent institution designated to maintain the FERPA policies of the institution. Policies of General Administration may also be accessed in the Office of the Secretary, General Administration, The University of North Carolina, 910 Raleigh Road, Chapel Hill, North Carolina, 27515.

Further details about FERPA and its procedures at General Administration are to be found in the referenced policies. Questions about the policies may be directed to Legal Section, Office of the President, The University of North Carolina, General Administration, Annex Building, 910 Raleigh Road, Chapel Hill, North Carolina (mailing address PO Box 2688, Chapel Hill, North Carolina 27515-2688, telephone 919-962-4588).

Academic Standing

A student’s academic standing during any term is determined by the cumulative grade point average (GPA) earned on the total quality hours. To be in good academic standing, a GPA of 2.0 must be maintained. A student who is not in good academic standing is not eligible for graduation.

Students on academic warning or academic probation are eligible to attend the university under specified provisions but are not in good standing.

Quality Points and Grade Point Average. A quality point is the numerical value assigned to a letter grade. The quality points earned in a course are determined by multiplying the quality point value of the grade earned by the credit-hour value of the course. The GPA is determined by dividing the total number of quality points by the total number of semester quality hours.
The credit hours earned in all of the university's off-campus, degree-credit courses are awarded quality points on the same basis as courses on the Cullowhee campus.

**Quality Hours.** "Quality hours" refers to the total credit-hour value of all Western Carolina University courses in which a student has regularly enrolled and earned grades from A to F.

**Transfer Hours.** "Transfer hours" refers to the total credit-hour value of courses accepted toward a degree not earned by regular enrollment in Western Carolina University courses. This includes hours earned through (1) transfer of credit from other institutions, (2) military service courses, and (3) credit for experiential learning.

**Academic Honors**

The GPA for honors is computed only on work completed at Western Carolina University.

**The Deans' List.** To be on the deans' list each semester, a student must have a GPA of 3.50 or higher on a regular semester's work of not less than twelve hours, excluding remedial courses, with no grade of D+, D, D-, F, or an I.

**Graduation with Honors.** To graduate summa cum laude, a student must have earned a minimum GPA of 3.90 on quality hours attempted at Western Carolina University for the degree, to graduate magna cum laude, a GPA of 3.70, and to graduate cum laude, a GPA of 3.50. In case of transfer hours from other institutions, a student must earn the appropriate GPA in all courses taken at Western Carolina University in order to graduate with honors.

To be designated University Scholars, students must have enrolled as freshmen and completed their entire undergraduate careers at Western Carolina University with a GPA of 3.90. Students who meet this requirement, except for courses taken with permission at other institutions as transients, are eligible for designation as University Scholars.

To be awarded an honors degree, a student must have successfully completed the Honors Program. With the appropriate GPA, a student receiving an honors degree will also receive the designation cum laude, magna cum laude, or summa cum laude.

The names of students graduating with honors must be jointly passed upon by the vice chancellor for academic affairs and the registrar.

**Academic Probation**

Students are placed on academic probation when their cumulative WCU grade point average falls below 2.00. At the end of the term of academic probation, students must achieve one of the following:

a. Raise the cumulative GPA to good standing (2.0) while taking any number of hours, or

b. Earn a minimum 2.30 GPA on a full-time academic load during the probationary term.

Failure to achieve one of the above academic criteria will result in academic suspension.

In addition to the above criteria, first semester freshmen and new transfer students who are placed on academic probation must meet specific guidelines in order to enroll in the University.

**Academic Probation for Freshmen and New Transfers**

First semester freshmen and new transfers who earn a cumulative grade point average below 2.0 at the end of their first semester may return to the university for their second semester only if they chose to participate in the Learning Contract program.

**Learning Contract Program**

First semester freshmen and new transfers will be placed on academic probation if their grade point average falls within the range of 1.99 or lower at the end of their first semester. Students placed on academic probation with a cumulative grade point average in this range at the end...
of their first semester must participate in the Learning Contract program during their second semester. Students who do not choose this option are not eligible to enroll in the university for one term. If readmitted after a lapse in enrollment, students are reminded that they will return to Western Carolina University under the general guidelines for academic probation.

The Learning Contract Program specifies that these students work closely with an academic adviser. The student and adviser will discuss academic performance issues, set realistic goals, and make the necessary plans to reach those goals. Students will be linked with the campus resources that can help them succeed. Follow-up contacts will occur throughout the semester.

When appropriate, the student's academic adviser will decide whether the student needs to use the University's grade replacement policy and repeat two to four courses from the previous semester (Students are never allowed to repeat their Freshman Seminar course.) Additionally, these students must make at least a 2.30 grade point average on a full-time course load during their second semester or bring their cumulative grade point average to good standing. Failure to achieve these guidelines will result in academic suspension.

**Academic Suspension**

Academic Suspension from the university will occur as a result of failing to meet the criteria specified while on academic probation.

Students placed on academic suspension are not eligible to enroll in the university for one semester. After a one-semester suspension, students may apply for readmission to the university. If readmitted, students will return on academic probation.

The semester of suspension is intended to provide students with time to carefully consider the reasons for academic difficulty, resolve problems, clarify educational goals, and improve academic skills. If a student attends another institution while on suspension, the student must have a minimum 2.0 grade point average on all work attempted since their last enrollment at Western Carolina University. Students are reminded that grades made in transferred courses are not considered when computing the GPA at Western Carolina University.

**Readmission After Suspension.** Students who have been out the required amount of time may apply for readmission in the same manner as other former students. See the “Admission of Former Students” in this catalog.

**Grade Replacement Policy for Undergraduates**

Students are allowed to replace grades on five different courses taken at Western Carolina University. The following guidelines apply:

1. Only five courses (regardless of credit hour value) may be selected for grade replacement. The grade replacement policy may only be applied one time for a particular course. For courses repeated beyond the limit for grade replacement, the Repeat Policy applies.

2. When a student elects to use a course for grade replacement, the student must file the Grade Replacement Form with the Office of the Registrar. This form indicates which course is to be excluded from GPA computation under this policy. Once a decision is made, it is irrevocable.

3. Although the original grade will not be used in determining the cumulative GPA of the student, the original grade will remain on the student’s academic transcript.

4. Any course elected for grade replacement must be taken and repeated at Western Carolina University.

5. Since the Freshman Seminar course cannot be repeated, it is not possible to replace the grade received in Freshman Seminar.
Since all courses do not carry the same hours of credit, students are urged to consult their advisers in making decisions regarding use of the Grade Replacement Policy. It is the responsibility of the student to follow the grade replacement guidelines and to detect and report any needed adjustments to the student's academic record.

**Repeat Course Policy for Undergraduates**

Students may repeat any number of courses taken for credit. Freshman Seminar courses may not be repeated. A student may choose to replace a grade according to the Grade Replacement Policy. Once a student has exhausted the guidelines set in the Grade Replacement Policy, all quality hours and grades earned each time a course is taken will be used in computing the student's GPA. Unless specifically stated in the catalog description, credit for any course may be applied only once toward the required hours for graduation.

**Academic Re-evaluation Policy**

To be eligible to elect an academic re-evaluation, a student must have a cumulative GPA below 2.0 and must have made a GPA of 2.30 or better on twelve or more hours of work for each of two successive semesters, one of which may be summer school. At least eighteen hours of the work taken in the two semesters must apply to liberal studies requirements or the requirements in the major, if these have not been met already. A written request for re-evaluation is required.

To be eligible to graduate after re-evaluation, a student must complete at least two semesters in residence. No course passed with a C- or less prior to these two semesters will count toward the 120, 122, or 128 hours required for a degree. Such courses may be used to waive liberal studies requirements but not to fulfill major requirements.

The student's GPA for retention and graduation will be computed only on work taken during and after the two semesters on which re-evaluation is based. However, the number of hours previously passed with a grade of C (2.0) or higher will be counted as earned hours.

This policy does not alter the administration of the two-year rule policy.

**Two-Year Rule Policy.** An undergraduate with a GPA below 2.0 who has not attended the university for two or more calendar years and who is eligible for readmission is given the option of having the two-year rule applied or not applied.

If the two-year rule is applied, all courses completed before the interruption are treated as if they were transferred from another institution. No hours of credit will be allowed for courses in which C- or less grades were earned, although, at the discretion of the student's major department, they may be used to waive appropriate course requirements. The student's cumulative GPA will be based on courses attempted after readmission. The earned hours will include all credits (1) transferred from other institutions, (2) completed with a grade of C (2.0) or higher before the two-year rule was applied, and (3) earned after the last two-year rule was applied.

If the two-year rule is not applied, the student will return with a cumulative GPA, credit hours, and grades as if the interruption had not occurred. The quality point deficit of some students may be of such a magnitude that the application for readmission from a student who has chosen not to apply the two-year rule may be rejected.

A student, having elected to have the two-year rule applied or not applied, may not reverse the option later. Applications for the two-year rule may be obtained from the Office of Admissions and submitted to that office prior to the initial term of re-enrollment.

**Credit and Placement Policies**

Evaluation of transfer, CLEP, and advanced placement credits are coordinated through the Office of the Registrar. The university will accept or transfer appropriate undergraduate...
credits earned through credit by examination, advanced placement, CLEP, correspondence courses, extension courses, armed forces service schools, and college-level courses completed prior to graduation from high school. With the approval of the appropriate academic departments, the amount of such credit which may be applied toward a degree is subject to limitation only by the university's general residence requirement and the prescribed courses in the major field of study, the degree program may not exceed 45 semester hours of CLEP credit. Credit toward a degree is not awarded for Continuing Education Units or for General Education Development tests (GED).

**Transfer of Credit.** An evaluation of credits offered in transfer is completed after admission and after all official records are received directly from each institution previously attended. The applicability of transferred credits toward degree requirements is determined by the registrar's office and the department head of the student's major. In some cases, due to accreditation standards, validation of a course by successful completion of more advanced work in the same discipline or by examination may be required.

Only work passed with a grade of C (2.0) or better may be transferred. Courses with other grading systems that are equivalent to a C or better may be transferred. Except for consortium agreements, no credit will be allowed toward graduation or toward fulfillment of major requirements for a course passed with a C- or less at another institution. Credit will not be awarded for courses determined to be below the collegiate level at Western Carolina University nor from an institution not accredited by a nationally recognized regional accrediting agency. Undergraduate credit will not be awarded for graduate-level courses.

A Comprehensive Articulation Agreement (CAA) has been developed by the North Carolina Community College (NCCC) system and the University of North Carolina (UNC) General Administration providing for the transferability of a student's first two years of collegiate work to a senior UNC institution. This agreement provides that a student who enrolls at a NCCC institution fall 1997 or later, and completes his/her home institution's 44 semester hours of general education requirements with a grade of C or better in each course, is guaranteed that those hours will be applied toward a baccalaureate degree at any UNC institution. These 44 hours must be used to satisfy the receiving institution's liberal studies requirements. In addition, the CAA also guarantees that upon completion of the Associate of Arts or Associate of Science degree, 20-21 hours of pre-major work with a grade of C or better will be transferred and applied toward the student's baccalaureate degree at a UNC institution provided that the student remains within his/her major.

Credit may be transferred from a technical program of a two-year institution and applied toward an appropriate bachelor's degree if the institution is fully accredited or is a candidate for regional accreditation. A minimum of twenty-five percent of semester hours applied toward a bachelor's degree must be earned through regular enrollment in Western Carolina University junior-senior level courses, including a minimum of twelve hours in junior-senior courses in the major field.

In addition to those credits accepted as equivalents of the university's freshman and sophomore courses, a maximum of thirty hours of credit may be allowed toward graduation for freshman and sophomore courses completed at other institutions which are normally offered above the sophomore level at Western Carolina University.

There is no time limit on the course work accepted for undergraduate transfer credit. However, students who plan to schedule courses with stated prerequisites should consider auditing the prerequisite courses if no work has been attempted in the field within the past five years.

Regularly enrolled students who desire to take any course at another institution on a transient basis for transfer to WCU must secure the appropriate department head's and the registrar's approval before enrollment at the other institution. Transient Permission Forms are available in the registrar's office and the departments. Students must be in good standing and eligible to re-enroll at Western Carolina University to secure transient permission. Course work taken at an institution which has a consortium agreement with Western Carolina University will be given credit on the same basis as course work taken at Western Carolina University.
Grades made in transferred courses are not considered in computing the GPA at Western Carolina University, but transferred hours are added to earned hours and will affect the student's overall academic standing. A student may not expect to have the repeat course policy applied on the basis of courses completed at other institutions. Currently enrolled and former students (those not enrolled for one or more of the immediately preceding semesters, excluding summer terms) who attempt courses at other institutions must earn a cumulative 2.0 GPA and submit official transcripts of all work attempted to the Office of Admissions in order to be eligible to return to Western Carolina University.

Transfer Students With Two or More Years Away From Their Previous Academic Institution

Transfer Students. Applicants must have official transcripts with statements of honorable dismissal by all institutions formally attended. The applicant must meet freshman admission requirements and submit an official high school transcript with SAT or ACT test results. Transfer applications should be submitted by July 1 for all fall admissions and at least thirty days prior to the beginning of spring semester.

Generally, transfer students must have earned a minimum GPA of 2.0 (C average) on all work attempted. Applicants who are ineligible to return to the last institution attended for any reason may be ineligible for admission to Western Carolina University. However, transfer students who have not attended any institution for a period of two or more years prior to the intended semester of enrollment will be considered for admission subject to review of specific circumstances by the director of admissions.

The academic records of transfer students will be evaluated by the Office of the Registrar and the department head/program director of the student's major. University policies on transfer of undergraduate credit are explained in the section of this catalog on academic regulations.

Composition-Condition Marks. A student whose written work in any course fails to meet acceptable standards will be assigned a composition-condition (CC) mark by the instructor on the final grade report. All undergraduates who receive two CC grades prior to the semester in which they complete 110 hours at Western Carolina University are so notified by the registrar and are required to pass English 300 before they will be eligible for graduation. This course must be taken within two semesters of receiving the second CC and must be passed with a grade of C (2.0) or better.

Oral Competence-Condition Marks. A student whose oral communication skills in any course fails to meet acceptable standards will be assigned an Oral Competence-Condition (OCC) mark by the instructor on the final grade report. All undergraduates who receive two OCC grades prior to the semester in which they complete 110 hours at Western Carolina University are so notified by the registrar and are required to pass CMHC 300 before they will be eligible for graduation. This course must be taken within two semesters of receiving the second OCC and must be passed with a grade of C (2.0) or better.

Placement in First-Year Composition. Students with Advanced Placement credit or high school credit for English 101 and/or English 102 will be given credit for these courses. All other students will be placed in English 101. Members of the Honors College may be placed in English 101-H, and enrollment in these honors sections will be reserved for members of the Honors College. Students placed in English 101 or 101-H must complete the six-hour First-Year Composition sequence of English 101 or 101-H, followed by English 102 or 102-H.

Mathematics Placement Policy. A mathematics skills assessment is administered to students who wish to take Math 140 (Introductory Calculus), Math 145 (Trigonometry), Math 146 (Algebra and Analytic Geometry), or Math 153 (Calculus I) without first completing the prerequisite course(s). Students planning to major in mathematics, computer science, chemistry, biology, electronics engineering technology, industrial technology, and manufacturing engineering technology should plan to take this skills assessment. Students who have a strong mathematics background and would like to take the highest level course for which they are qualified should take the skills assessment. The skills assessment will be
administered to entering freshmen in the fall when classes begin and to continuing students during early registration when they plan to register for one of the courses listed above in the next semester. Transfer students may take the skills assessment by arrangement with the director of mathematics placement. The assessment does not generate course credit for course requirements that are waived as a result of placement. A scientific or graphics calculator is recommended for taking the assessment. Transfer credit for college-equivalent courses can be used to meet prerequisites. Any student may take the liberal studies math course, Math 101 (Mathematical Concepts). There is no placement requirement for this course, but it does not satisfy the prerequisites for college algebra or any other algebra-based course.

**Advanced Placement.** Students may become eligible to enter intermediate or advanced courses in a field, bypassing one or more lower-level courses, if they qualify on the basis of their performance on advanced placement tests.

**Placement in Modern Foreign Languages.** Students will be placed at the appropriate level in a language based on the number of years of high school and/or college-level language study. Any student placed in the second or higher course in French, German, or Spanish who passes that course with a grade of C (2.0) or better will receive three or six hours of credit for the courses bypassed. This may include the liberal studies course 101. Additional information can be obtained from the department or from the Advising Center.

**Chemistry.** Freshmen with above-average ability in chemistry are encouraged to take a chemistry placement examination. Satisfactory performance allows a student credit in either CHEM 132 or 140. Additional tests may be taken for a maximum of eight hours of credit.

**Advanced Placement Program.** Students who earn a grade of three or above on the College Board advanced placement courses are eligible to receive credit based upon the evaluations of the appropriate department heads. Currently, credit may be earned in American and European history, art history, biology, calculus, chemistry, computer science, economics, English, environmental science, French language and literature, German language, Latin, music, Physics, political science, psychology, and Spanish language and literature and statistics.

**Assessment Program.** As part of Western Carolina University’s continuing effort to maintain the quality of academic programs and university services, the university conducts student outcomes assessment. Measuring student intellectual growth, attitudes, perceptions, and skills provides the university with essential information in evaluating its effectiveness. Students are required to participate in these assessments throughout their enrollment at the university. The assessment information is not part of the student’s official record, and individual scores may be reported only to the student. Other uses of assessment data include reporting data only in aggregate form to the university community and required external sources.

**Noncredit Courses.** Credit earned in MATH 100 will not count toward the 120-128 hours required for graduation.

**Credit by Examination.**

A student may apply to be examined in any course identified by a department head as available for credit by examination. The student must present an approved permission form after the examination has been completed. Students making an A (4.0) or B (3.0) will receive credit. Those making C (2.0) do not receive credit, but are eligible for a waiver of a course requirement. With a D or F, credit may be earned only by regular enrollment during a subsequent semester. The GPA will not be affected by the grade made on the examination. All credit by examination attempts must be completed prior to the semester of graduation.

The examination procedure may be attempted only once for any one course. Students who have completed more than two collegiate courses in the field of study concerned may earn...
credit by examination only after securing written approval of the head of the department in
which the course is offered However, they may take the examination and secure a waiver
of a curricular requirement by scoring a C (2.0) or higher

The fee for scheduling a course on a credit by examination basis is $15 No fee will be
assessed if the examination is being used to validate transfer credits or when the student is
enrolled full-time during a fall or spring semester

The College Level Examination Program. The university cooperates with the College
Board in this program, through which credit may be awarded for the CLEP subject
examinations that have been approved by the academic departments as appropriate measures
of academic achievement in their courses Elective credit may be granted for examinations
covering material which is not the substantial equivalent of any specific Western Carolina
University course These elective credits may be applied toward graduation requirements if
the student fulfills certain liberal studies requirements or complies with other conditions
prescribed by the appropriate deans and department heads The subject examinations also
may be used to validate credits earned at unaccredited institutions or courses taken through
military service and to earn credit for courses failed at the university or other institutions. A
current list of approved examinations and the credit that may be awarded is available via the
Registrar’s Office web site (registrar.wcu.edu)

The minimum score required for credit is the fiftieth percentile on the national norms for the
examination in question Departments also may require demonstration of achievement by
satisfactory completion of an essay or by provision of other evidence of the competencies to
be mastered in a course or course sequence The general examinations of CLEP are not
accepted for credit Subject examinations that are repeated within less than one year from the
date of previous testing will not be considered for credit

Credits earned through CLEP will be posted on the transcript, but no grades are recorded The
student’s GPA will not be affected Duplicate credit is not awarded in any case CLEP credits
earned at other institutions will be evaluated in the same manner as the equivalent courses
at those institutions The same policies and procedures used in evaluating the applicability
of other advanced-standing and transfer credits toward a degree will be applied

Credit for Experiential Learning

Western Carolina University endorses the concept of undergraduate credit for experiential
learning in recognition of valid learning experiences Departments awarding credit for
experiential learning do so on the basis of detailed departmental guidelines and procedures
as approved by the Council on Instruction and Curriculum However, credit is awarded by
a department only for those competencies which are related to areas of instruction in that
department and which are applicable to the degree program being completed Credit is not
extended automatically or in blanket fashion

To receive credit for experiential learning, a student must submit a request to the appropriate
department head A faculty committee named by the department head will review the request
If the request seems appropriate, the student will be provided with guidelines for preparing
a portfolio which the committee will review to determine the conditions and amount of credit
to be awarded

Credit for all or part of a course(s) may be awarded If partial credit is awarded, the student
will pay the full cost of the course, but will be required to attend only those classes and do
additional work as designated There is no charge for courses for which full credit is awarded

Committee actions, when endorsed by the department head and dean, must be reported to the
registrar The credit awarded is not applicable to the university’s residency requirement

Credit for Veterans of Military Service. To receive credit for military service, a veteran
must have served at least twelve months in continuous active duty in a branch of military
service and present the registrar an official copy of the Department of Defense (DD) 214
Once evaluated, the student will receive six hours of free electives and one hour for PE activity course if the degree program requires a minimum of 128 credit hours. Service school courses will be evaluated on a course-by-course basis using the American Council of Education recommendations for evaluation of military credits. This award of credit does not alter other university requirements, or major, minor, concentration, or liberal studies requirements for a degree.

Class Attendance Policy
Western Carolina University expects students to recognize the positive effect on academic success of class attendance and participation. All undergraduates are expected to attend all meetings of the courses in which they are enrolled, any absence is incurred at the student’s own risk.

Each instructor will establish the attendance requirements, make-up procedures, and guidelines for excused absences in each course and the effect that irregular attendance, lack of participation, and inadequate preparation will have upon a student’s grade. The instructor will distribute written attendance policies to students at the beginning of each term. An instructor may establish special and more demanding attendance requirements for students who are performing less than satisfactorily. Each student is responsible for complying with the announced procedures for making up missed work.

A student with more unexcused absences in a 100-(freshman) or 200-(sophomore) level course than the semester hours given for the course can expect the instructor to lower the course grade. Class attendance may be required of undergraduate students as a condition of admission or readmission to the university or of eligibility to continue enrollment.

Group Absences and Field Trips. Classes missed because of field trips, service to or for the university, or participation in athletic events must be processed in advance by the instructor and each participating student. The faculty member or coach in charge must obtain permission to travel from the dean or athletic director at least ten days in advance and give each student a copy of the approved request. Each student must present the request at least one class meeting prior to departure. The request should contain the name of the sponsor and group, the purpose, dates, and time of the trip, and the names of the participating students, to each instructor for signature prior to the trip.

A student who misses an examination or quiz because of an approved trip is responsible for contacting the instructor within one class meeting after returning to make mutually satisfactory arrangements for a make-up. The instructor is under no obligation to provide a make-up unless the student notifies the instructor of the absence at least one class meeting prior to departure. The student also is responsible for making up assignments and for knowing the material covered (See Class Attendance Policy, above, for details).

Final Examination Schedules
An end-of-course evaluation of student work is required in every credit course. End-of-course evaluation may take the form of final exams, reports, projects, performances, portfolios, research papers, conferences, etc.

Many end-of-course evaluations are written final exams. In order to reduce conflicts and final evaluation overloads for both students and faculty, a final examination schedule is developed by the registrar for the entire university. All final exams are to be administered at their designated times and places during final exam week. Change in time of an examination for an entire class for any reason must be approved by the head of the department, by the dean of the college, the vice chancellor for academic affairs, and the chancellor.

No student is required to take more than two final exams on any one day. Any student who has three final exams scheduled on one day has the option of taking all three or submitting...
to the professors a written request for rescheduling. However, a request to have an examination rescheduled must be made in writing at least five days before the examination is scheduled.

To reschedule, the following steps should be taken:

1. The student should request in writing a change in date from the instructors of the courses that present the conflict.
2. If the conflict is not resolved, the student should work with his/her academic adviser to have one of the exams rescheduled.
3. If the conflict still cannot be resolved, the student should work with the Office for Academic Affairs to have one of the exams rescheduled.

Other end-of-course evaluations, whatever form they take, must also be completed, administered, or submitted during final exam week.

### Graduation and Certification

#### Application for Graduation.
After earning ninety (90) hours, to be certified as a candidate for graduation, the student must file an application form with the dean. (In order to obtain the application form, the student must first present a paid receipt to the dean’s office that the $30 graduation fee has been paid to the university cashier.) The dean will send the application to the student’s department head. The student and the adviser will meet to determine all requirements remaining to be completed. At the beginning of the final semester, the application will be updated, signed by the department head, and returned to the dean who will certify it and forward it to the Registrar.

Undergraduate students should begin this procedure immediately after ninety (90) hours have been earned. Specific deadlines for filing degree applications are listed in the “Academic Calendar.”

#### Certification and Licensure.
Completion of a bachelor’s degree in teacher education, nursing, or health sciences qualifies a student to seek the appropriate certification or licensure. Information about the policies and procedures is available from the dean of the appropriate college. Procedures for teacher licensure are found in the College of Education and Allied Professions section of the catalog.

#### Graduation Attendance.
Attendance at graduation is required of candidates for graduation. A diploma may be granted in absentia only with approval of the vice chancellor for academic affairs or his/her designee.
DEGREE PROGRAMS AND REQUIREMENTS

The bachelor's degree programs require the completion of a minimum of 120 semester hours to a maximum of 128 semester hours, including (1) liberal studies program, (2) a major as prescribed by each of the departments, (3) elective courses, and (4) in cases where majors require less than forty-six hours, a minor, second major, concentration, or other approved program as specified by the appropriate school and department. Unless specifically provided for in the catalog description, credit for any course may be applied only once toward the required hours for graduation.

Majors. A major consists of a group of prescribed and elective courses (27-64 hours) providing breadth and depth in an academic discipline, in two or more closely related disciplines, or in an interdisciplinary field of study. The requirements for a major in one discipline may include supporting courses selected from other disciplines.

In degree programs that include a major of thirty to forty hours, a minor, second major, or other approved program also is required.

In degree programs that do not require a minor or second major, 46-64 hours are required in a major, including any concentrations, emphases, or specialization options that may be a part of the major.

Concentrations. A concentration is a student option within a major that consists of a group of prescribed courses designed to provide preparation in a specific professional specialty within the major discipline. Ordinarily, degree programs in which the major includes a concentration do not require a minor or second major. Concentrations are required in some majors.

Minors. A minor consists of a group of prescribed and elective courses in an academic discipline, two or more closely related disciplines, an interdisciplinary field of study, or a specially designed individual program. It differs from a major principally in requiring fewer courses (16-24 semester hours) and providing less depth.

A student may not major and minor in the same field.

Disciplinary Focus Area. A disciplinary focus area is a twenty-four hour course of study in an academic discipline required of education students enrolled in a B.S.Ed. program in communication disorders, elementary, middle grades, physical education, or special education (general). The focus areas available are the following: anthropology, art, biology, communication training and development, economics, English, French, geography, geology, German, health promotion and wellness, history, mathematics, natural science, philosophy, physics, political science, psychology, sociology, Spanish, and theatre.

Second Majors. A second major, often called a double major, is completed at the student's option by taking the course requirements specified in the major component of the applicable degree program. The hours earned in completing a second major apply to the minimum 120-128 hours required for any bachelor's degree and do not lead to the award of a second degree. Students interested in earning a second bachelor's degree must meet the additional requirements stated below for second degrees.

Program Requirements. The program requirement component of a degree program consists of courses which are outside the major discipline but which support the major by providing skills and knowledge directly related to the major. There are no minimum or maximum limits on the program requirements component of a degree program except that, without a specific exemption, seventy-five hours are the maximum that may be required in aggregate in all components of a degree program exclusive of liberal studies and general or free electives.

General Electives. Unless a program has been specifically exempted, each degree plan includes a minimum of twelve hours of general (free) electives. These electives are exclusive of (1) hours earned in meeting the requirements of the other components of a degree program, (2) any remedial or developmental work a student may take, and (3) elective hours that may become available to a student through application of the liberal studies waiver policy.
Waivers and Substitutions. Waivers and substitutions of courses, other degree requirements, and academic regulations may be made only with adequate cause. Exemption from, or substitutions in, requirements established by an academic department must be approved by the department head. Liberal studies requirements may be waived or altered only with the approval of the associate vice chancellor for academic affairs for liberal studies. College-wide requirements may be waived or altered only with the approval of the dean of the college. Waivers of, and substitutions in, university-wide regulations and requirements must be approved by the Office for Academic Affairs. All requests must be submitted to the registrar on the Waiver and Substitutions Form.

Academic Advisers. Students enter the university undeclared and are advised by a professional adviser. Upon declaring a major, students are advised by a faculty adviser in their major department.

Students Undecided About a Major. Through the Advising Center, the university provides a specific program of academic advisement to assist the undecided student in course selections and career decisions. When an undeclared student does select a major, the declaration or change of major/adviser procedures should be observed.

Declaration or Change of Major/Adviser Procedure. A student who decides to declare or change a major must complete the declaration process in order to be assigned a new adviser in the appropriate department and to change the official records of the university. The student secures the declaration form from the present adviser or department head and completes the procedure by following the instructions on the form. The new program of study should appear on the next transcript that is issued after the completed form has been submitted to the registrar.

Curricular Checksheets. Departments maintain a supply of curricular checksheets on each of their degree programs. Students should secure copies of the sheets for their programs to use as a supplementary aid in complying with catalog requirements. However, in the event of a conflict between requirements as listed on a checksheet and as stated in the catalog, catalog requirements shall prevail.

Second Bachelor’s Degree. Students already graduated from accredited four-year institutions who are admitted to work toward another bachelor’s degree must meet the university’s regular graduation requirements. A minimum of thirty additional semester hours with a 2.0 GPA must be earned by regular enrollment at the university. The student must meet the requirements in liberal studies and in the major as specified by the department head and dean. A student may obtain from the university a second bachelor’s degree provided the degree is in a different major (students may not earn a second degree in the same major).

Students enrolled at the university who wish to work toward two bachelor’s degrees simultaneously may do so, provided they secure the prior approval of the departments and colleges through which the degree programs are offered. Approval must be secured not later than the end of the junior year. Students must meet the university’s regular graduation requirements and complete at least 150-158 semester hours with a 2.0 GPA, including a minimum of 120-128 hours as specified for one degree and a minimum of thirty additional hours for the other (or second) degree through regular enrollment at the university. The 30-32 additional hours must be selected so as to meet the requirements in liberal studies, the program requirements component of the degree plan, and requirements in the major as specified by the department head and dean for the second degree.

GENERAL UNIVERSITY DEGREE REQUIREMENTS*

To be awarded a bachelor’s degree, the student must meet the following general requirements:

1. Completion of a minimum of 120 semester hours to a maximum of 128 semester hours under requirements outlined for one of the degree programs.

*See graduate catalog for graduate degree requirements.
2 A minimum GPA of 2.0 on all work attempted at Western Carolina University and on all
courses in the major

3 A minimum of 25 percent of semester hours applied toward a bachelor's degree must be
earned through regular enrollment in Western Carolina University junior-senior level
courses, including a minimum of twelve hours in junior-senior courses in the major field

4 Fifty percent or more of the credits in the major presented for graduation on the junior-
senior level unless the degree program being completed by the student is specifically
exempted from the requirement

5 Be enrolled at Western the intended graduation semester (Students who wish to pursue
an exception to this rule must contact the registrar's office)

**Liberal Studies Program**

**Rationale**

At Western Carolina University, all bachelor's degree programs include courses in Liberal
Studies designed to provide each student with the knowledge, skills, and attitudes of an
educated person. These include the ability to think critically, to communicate effectively, to
identify and solve problems reflectively, to use information and technology responsibly, to
appreciate the creative and performing arts, and to seek personal development and lifelong
learning.

Through a Freshman Seminar in Liberal Studies, first-year students begin to experience
intellectual life at the university level. Through participation in an Academic Learning
Community, students begin to experience the integration of knowledge. The core provides
students with the academic skills and intellectual habits needed throughout the undergraduate
experience, therefore, it should be completed as soon as possible. The Perspectives
component of the Liberal Studies program exposes students to important modes of inquiry,
discovery, and interpretation through study of the concepts, principles, and theories of the
Liberal Arts and Sciences. Because all disciplines at the university can offer courses in the
Liberal Studies program, the Perspectives provide a broadened worldview and knowledge
base, with opportunities to take courses outside areas of familiarity or major interest.
Students also take at least one three-hour course at the upper level (300 or 400 level) in a
Perspectives area outside their major. It is a primary goal of the Liberal Studies program to
promote a lifelong love of learning.

**Requirements**

The Liberal Studies component includes a total of forty-two semester hours, distributed as
listed below.

**The Core, 15 hours**

C1. **Writing, 6 hours.**

   ENGL 101, Composition I (3)
   ENGL 102, Composition II (3)

C2. **Mathematics, 3 hours.** This requirement can be satisfied by any higher-level

   mathematics course

   MATH 101, Mathematical Concepts (3)
### C3. Oral Communication, 3 hours.

*CMHC 201, Introduction to Speech Communication (3)

*Prerequisite - ENGL 101

### C4. Wellness, 3 hours.

- HEAL 123, Health and Wellness (3)
- HSCC 101, Nutrition, Fitness, and Wellness (3)

**The Freshman Seminar, 3 hours**

Satisfies one Perspectives category, to be taken the first semester. Students who receive a grade of W or F in the Freshman Seminar cannot repeat the Freshman Seminar course but must complete another regular Perspectives course to fulfill the Perspectives category and replace the credit hours for which the Freshman Seminar was attempted.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 195</td>
<td>The Information Society at Work</td>
<td>(3)</td>
</tr>
<tr>
<td>CI 190</td>
<td>Controversies in Criminal Justice</td>
<td>(3)</td>
</tr>
<tr>
<td>CMCR 190</td>
<td>A User’s Guide to the Mass Media</td>
<td>(3)</td>
</tr>
<tr>
<td>EDCI 191</td>
<td>The Great School Wars</td>
<td>(3)</td>
</tr>
<tr>
<td>ET 190</td>
<td>Technology Systems</td>
<td>(3)</td>
</tr>
<tr>
<td>HSCC 191</td>
<td>Does Inequality Make You Sick?</td>
<td>(3)</td>
</tr>
<tr>
<td>LAW 195</td>
<td>Contemporary Legal Issues</td>
<td>(3)</td>
</tr>
<tr>
<td>MATH 191</td>
<td>Mathematics in Social Choice and Decision Making</td>
<td>(3)</td>
</tr>
<tr>
<td>PT 190</td>
<td>Caring for the Aging Population Challenges and Solutions</td>
<td>(3)</td>
</tr>
<tr>
<td>PSC 190</td>
<td>Active Citizenship, Making a Difference in Your Community</td>
<td>(3)</td>
</tr>
<tr>
<td>PSY 190</td>
<td>Freshman Seminar</td>
<td>(3)</td>
</tr>
<tr>
<td>SOC 190</td>
<td>Freshman Seminar, Social Institutions and Issues</td>
<td>(3)</td>
</tr>
<tr>
<td>BIOL 190</td>
<td>Discoveries in Biology</td>
<td>(3)</td>
</tr>
<tr>
<td>BIOL 192</td>
<td>Plant Biodiversity</td>
<td>(3)</td>
</tr>
<tr>
<td>BIOL 193</td>
<td>Forensic Biology</td>
<td>(3)</td>
</tr>
<tr>
<td>BIOL 194</td>
<td>Biotechnology Methods, Applications, and Implications</td>
<td>(3)</td>
</tr>
<tr>
<td>CHEM 190</td>
<td>Chemistry in Industry</td>
<td>(3)</td>
</tr>
<tr>
<td>CHEM 191</td>
<td>Issues in Environmental Chemistry</td>
<td>(3)</td>
</tr>
<tr>
<td>GEOL 191</td>
<td>Geology, Landscapes, and the Human Psyche</td>
<td>(3)</td>
</tr>
<tr>
<td>MATH 190</td>
<td>Mathematical Models of Population Growth</td>
<td>(3)</td>
</tr>
<tr>
<td>ND 190</td>
<td>Personal Nutrition</td>
<td>(3)</td>
</tr>
<tr>
<td>HIST 190</td>
<td>Freshman Seminar</td>
<td>(3)</td>
</tr>
<tr>
<td>ENGL 190</td>
<td>Freshman Seminar in Literature</td>
<td>(3)</td>
</tr>
<tr>
<td>HIST 191</td>
<td>Freshman Seminar</td>
<td>(3)</td>
</tr>
<tr>
<td>PHIL 190</td>
<td>Freedom, Culture, and Technology</td>
<td>(3)</td>
</tr>
<tr>
<td>ENGL 191</td>
<td>Freshman Seminar in Creative Writing</td>
<td>(3)</td>
</tr>
<tr>
<td>MUS 190</td>
<td>Freshman Seminar</td>
<td>(3)</td>
</tr>
<tr>
<td>ANTH 190</td>
<td>Freshman Seminar, The Human Condition</td>
<td>(3)</td>
</tr>
<tr>
<td>GER 190</td>
<td>Triumph and Tragedy Reflected in Modern German Film</td>
<td>(3)</td>
</tr>
<tr>
<td>SPAN 190</td>
<td>Celluloid and Paper Dreams Hispanic Literature and Film</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**The Perspectives, 24 hours**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 110</td>
<td>Origins of Civilization</td>
<td>(3)</td>
</tr>
<tr>
<td>ASI 250</td>
<td>Introduction to Appalachian Studies</td>
<td>(3)</td>
</tr>
<tr>
<td>BA 133</td>
<td>Introduction to Business</td>
<td>(3)</td>
</tr>
<tr>
<td>ECON 231</td>
<td>Introductory Microeconomics and Social Issues</td>
<td>(3)</td>
</tr>
<tr>
<td>GEOG 101</td>
<td>Population Geography</td>
<td>(3)</td>
</tr>
<tr>
<td>LAW 105</td>
<td>Introduction to Law</td>
<td>(3)</td>
</tr>
<tr>
<td>PSC 106</td>
<td>Grassroots Democracy, Citizenship Issues and Participation</td>
<td>(3)</td>
</tr>
</tbody>
</table>
P2. **Physical and Biological Sciences, 6 hours.** Courses in two different disciplines are required and can be satisfied by 100- and 200-level science courses that include a laboratory or applied component, subject to restriction about major or program requirements.

- AST 102, Introductory Observational Astronomy (3)
- AST 103, The Solar System (3)
- AST 104, Cosmic Evolution (3)
- BIOL 102, Human Genetics (3)
- BIOL 103, Environmental Biology (3)
- BIOL 104, Human Biology (3)
- BIOL 105, Biology in the 21st Century (3)
- CHEM 101, Chemistry in Society (3)
- ENVH 130, Environmental Health Science Systems and Solutions (3)
- GEOL 140, Investigations in Environmental Geology (3)
- GEOL 150, Methods in Geology (4)
- NRM 140, Natural Resource Conservation and Management (3)
- PHYS 105, Contemporary Physics (3)

P3. **History, 3 hours.**

- HIST 107, World Cultures in Historical Perspective (3)
- HIST 141, Turning Points in American History Paths Taken and Rejected (3)
- HIST 142, Lunatics, Dreamers and Ordinary People Biography in American History (3)
- HIST 151, Turning Points in European History Paths Taken and Rejected (3)
- HIST 152, Lunatics, Dreamers and Ordinary People Biography in European History (3)
- HIST 221, European History to 1648 (3)
- HIST 222, European History Since 1648 (3)
- HIST 231, American History to 1865 (3)
- HIST 232, American History Since 1865 (3)
- REL 106, Western Religious Traditions (3)
- REL 210, Origins of Early Christian Traditions (3)

P4. **Humanities, 3 hours.**

- ENGL 206, Literature of Place (3)
- ENGL 207, Popular Literature and Culture (3)
- ENGL 209, Past Times Literature and History (3)
- ENGL 231, Interpretation of Literature (3)
- ENGL 290, Literature and the Sacred (3)
- HIST 171, Religion in America (3)
- HIST 182, The Ancient Empires (3)
- LAW 201, Individual Rights (3)
- PHIL 101, Western Philosophical Traditions (3)
- PHIL 102, Western Moral Traditions (3)
- PHIL 230, Legal, Scientific and Critical Reasoning (3)
Fine and Performing Arts, 3 hours.
ART 104, Introduction to the Visual Arts (3)
CMTA 104, The Theatre Experience (3)
MUS 101, Music Appreciation (3)

World Cultures, 3 hours. (Satisfied if student passes MFL 101, 102, 110, 231, 232, 240, or 301)
ANTH 120, Comparative Cultural Systems (3)
ART 202, Art of World Cultures (3)
CHER 101, Experiencing Cherokee and the Cherokee-Speaking World (3)
ENGL 204, The Literature of Culture (3)
FREN 101, Experiencing French and the Francophone World (3)
FREN 102, Experiencing French and the Francophone World II (3)
FREN 110, Experiencing French and the Francophone World Accelerated (6)*
GEOG 103, Cultural Geography (3)
GER 101, Experiencing German and The German-Speaking World (3)
GER 102, Experiencing German and The German-Speaking World II (3)
GER 110, Experiencing German and The German-Speaking World Accelerated (6)*
REL 105, Eastern Religious Traditions (3)
REL 220, Women and Religion (3)
SPAN 101, Experiencing Spanish and the Spanish-Speaking World (3)
SPAN 102, Experiencing Spanish and the Spanish-Speaking World II (3)
SPAN 110, Experiencing Spanish and the Spanish-Speaking World Accelerated (6)*

Upper Level Perspectives, 3 hours. One course in any Perspectives category outside the major
P1 LAW 406, Media Law (3)
P1 PSY 370, Psychology and Law (3)
P1 SOCW 402, Diversity in Contemporary Society (3)
P2 ND 300, The Science of Nutrition (3)
P3 HIST 311, Ancient Greece and Rome (3)
P3 HIST 313, The Medieval World (3)
P3 HIST 317, History of Twentieth-Century International Relations (3)
P3 HIST 322, British History to 1603 (3)
P3 HIST 323, British History Since 1603 (3)
P3 HIST 327, Modern Russia (3)
P3 HIST 330, Modern Germany (3)
P3 HIST 341, North Carolina History (3)
P3 HIST 361, Latin American History I (3)
P3 HIST 362, Latin American History II (3)
P3 HIST 371, Modern China (3)
P3 REL 305, Medieval and Reformation Theology Divine Foreknowledge, Free Will, and Justification by Faith (3)
P3 REL 311, Religion and Science God's Law and Laws of Nature (3)
P4 ENGL 350, The Renaissance (3)
P4 ENGL 351, The Beats, Radicals, and Avant-Garde Literature (3)
P4 ENGL 352, The Journey in Literature (3)
P4 ENGL 367, Appalachian Literature (3)

* Only three of the six credit hours earned in FREN GER SPAN 110 apply to liberal studies. The remainder apply to program major or elective hours outside of liberal studies.
To satisfy the upper-level Perspectives requirement, a student may propose a "contract" to use an upper-level course not otherwise approved by the Liberal Studies program. This contract is between the student, the course instructor, and the associate vice chancellor for academic affairs for liberal studies. Specific course requirements, primarily in writing and information use, will be clearly identified or developed to satisfy the Liberal Studies goals and areas of emphasis. Courses used to satisfy the upper-level Perspectives requirement must be outside of the major.

**Perspectives Courses and the Major**

If a particular Liberal Studies Perspectives course is required by a degree program or major, the Perspectives category requirement met by that course will be satisfied for students in that program; however, credit for that course will not count toward the 24 hours of Liberal Studies Perspectives required of every student. In this situation, the student will take an additional elective Liberal Studies course in any Perspectives category outside of the major. In other words, credit hours will not count for both Liberal Studies Perspectives and for degree program requirements. [Students who elect to complete a minor/second major, which is not required by their degree program, may count credit hours for both Liberal Studies Perspectives and the optional minor/second major.]

**Liberal Studies and Transfer Students**

Courses transferred from other institutions to fulfill Liberal Studies requirements will be evaluated by the registrar in consultation with the appropriate department head or the associate vice chancellor for academic affairs for liberal studies and the Liberal Studies Oversight Committee, based on university guidelines. Credit earned by examination and advanced placement may be applied toward fulfillment of Liberal Studies requirements.

**Programs of Study**

The university offers programs leading to bachelor's, master's, education-specialist, and doctoral degrees as well as preprofessional, internstitutional, and certification curricula. All of the bachelor's-level programs, including the course requirements for the various majors, minors, and concentrations offered by the colleges and departments, are described in the sections that follow. Programs of interest to graduate students are presented in the graduate catalog of *The Record.*
## Degree Programs

The following table lists alphabetically the university’s principal academic programs and indicates the college offering the programs. The colleges are Applied Sciences (AS), Arts and Sciences (A&S), Business (BUS), and Education and Allied Professions (E&AP).

<table>
<thead>
<tr>
<th>Undergraduate Major</th>
<th>College</th>
<th>Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>BUS</td>
<td>B S B A</td>
</tr>
<tr>
<td>Anthropology</td>
<td>A&amp;S</td>
<td>B A</td>
</tr>
<tr>
<td>Art</td>
<td>A&amp;S</td>
<td>B S</td>
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<td>Biology</td>
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<td>Birth-Kindergarten</td>
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<td>Business Administration and Law</td>
<td>BUS</td>
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<td>Chemistry</td>
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<td>Clinical Laboratory Sciences</td>
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<td>Communication Disorders</td>
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<td>Communication</td>
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<td>Computer Science</td>
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<td>Construction Management</td>
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<td>Criminal Justice</td>
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<td>Electrical and Computer Engineering Technology</td>
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<td>Elementary Education</td>
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<td>Engineering Technology</td>
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<td>Entrepreneurship</td>
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<td>Finance</td>
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<td>French (inactive status)</td>
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<td>Geography (inactive status)</td>
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<td>Geology</td>
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<td>German</td>
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<td>Health Information Management</td>
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<td>History</td>
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<td>Hospitality and Tourism</td>
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<td>Nutrition and Dietetics</td>
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<td>Parks and Recreation Management</td>
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<td>Undergraduate Major</td>
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<td>Physical Education</td>
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<td>Political Science</td>
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<td>Psychology</td>
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<td>Recreational Therapy</td>
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<td>Science Education</td>
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<td>Social Sciences</td>
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<td>Social Work</td>
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<td>Spanish</td>
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<td>Special Education (General)</td>
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<td>Special Studies</td>
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<td>Speech and Theatre Arts</td>
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<td>Sport Management</td>
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<td>Telecommunications Engineering Technology</td>
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<td>Theatre</td>
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In addition to the curricula offered by a department or jointly by two departments, the university provides a number of special-purpose programs in which students may participate either as a part of the regular degree programs of their choice or as alternatives to them. These opportunities include the following programs:

**National Student Exchange**

Western Carolina University is part of a student exchange consortium of over 150 universities in the United States and its territories. Students participating in National Student Exchange are able to pay their regular tuition to WCU and study at another university for up to one academic year, any student with a WCU GPA of at least 2.5 is invited to go on exchange. Students must contact the associate dean of the Honors College at 828-227-7383 by February 1 to go on exchange for the following year.

**An Approved Program**

An approved program is a selection of courses designed to take the place of a minor or second major in cases where a student has a secondary interest in an area not covered by a recognized second major or minor. The program must consist of 16-24 credit hours of courses, developed in consultation with the major adviser and appropriate faculty adviser(s) in the relevant department(s). The approved program must be approved by the department head of the major department, the head of the approved program department, and the dean(s) of all involved college(s), upon consultation with the head of the department(s) which offer(s) the courses in the approved program.

**Special Studies Programs**

A Special Studies Program is an interdisciplinary program to take the place of a recognized major program in cases in which a student wishes to earn a degree in a specialized area not covered by recognized majors, or an area that intersects two or more recognized majors and cannot be accommodated by a combination of a recognized major and minor, second major, or approved program.
A Special Studies Program is developed by the student in consultation with an academic adviser in one of the primary departments and in consultation with advisers/faculty from all involved departments.

The program should include completion of the liberal studies program, and any other applicable college and university requirements. It should include a distribution of courses to complete the Special Studies program, in place of a recognized major, plus a minor, second major, or approved program (as needed). It should include a plan for some kind of senior project, capstone course, or final assessment component.

The Special Studies Program will be approved by all involved department heads, the curriculum committees of all involved colleges, and the instruction committee of the Council on instruction and curriculum. The Instruction Committee should pay particular attention to the assessment component(s) of the proposed program. The instruction committee will make a recommendation for acceptance or rejection of the proposed program to the Council on Instruction and Curriculum. Upon acceptance of the program by the Council, the Special Studies program will be sent to the Faculty Senate for information only.

The Honors College

The Honors College is designed to enhance the academic and social university experience for high-achieving students. The college consists of honors courses throughout liberal studies, with an emphasis on special projects and undergraduate research in the major. The college manages (for all Western Carolina University students) the annual Undergraduate Expo, the Undergraduate Research Grant Program and Western Carolina University's participation in the National Conference on Undergraduate Research and in the National Student Exchange. Students in the college are invited to live in Reynolds or Buchanan Halls, which are honors residences. Students who complete 30 hours of honors credit and who graduate with at least a 3.3 cumulative GPA will earn the Honors College diploma. This special diploma is available to all majors.

Students already enrolled at Western Carolina University or transfer students who have at least a 3.5 cumulative GPA are eligible to apply for admission to the college, they will be admitted on a case-by-case basis. Admission for first-year students is selective; the more of the following criteria that first-year students meet, the more likely they are to be selected. Students must meet at least one for consideration: a 75 GPA in high school, top ten percent ranking in high school class, 1200 SAT or 30 ACT score.

In determining credit hours for class rank (freshman, sophomore, junior, and senior) and standing in the Honors College, transfer credit, Advanced Placement credit, and credit for courses surpassed are counted in the total number of hours (though such credit does not figure into a student's grade point average at Western Carolina University).

For more information about the Honors College, please contact the dean at 828-227-7383 or visit the college Web site at www.wcu.edu/honorscollege.

Study Abroad

The Office of International Programs and Services administers the University of North Carolina Exchange Program (UNCEP), the International Student Exchange Program (ISEP) and several Western Carolina University exchanges with over 35 countries worldwide. Students with a 2.75 GPA and higher can study for a semester or a year by paying Western Carolina University tuition and fees and comparable room and board charges. Financial aid assists eligible students with study abroad costs, and scholarships are available through external grant agencies. Summer abroad programs sponsored by Western Carolina University professors are handled by the Division of Continuing Education and Summer School.
Preprofessional Programs
Students who attend the university to prepare for admission into a professional school are provided with a variety of options for the programs they may pursue. If the professional school of the student’s choice is one that does not require a bachelor’s degree for admission and the student plans to transfer before earning a degree, academic advisers in the Advising Center and in the appropriate department will assist the student to develop a program plan suited to the field and to the admission requirements of the professional school.

Many professional schools require a bachelor’s degree for admission, and the student who plans to earn a degree before entering a professional school will choose to complete one of the regular degree programs offered by the university. Electives in the chosen curriculum should be selected after consulting the catalog of the professional school to be attended later. Each student is assigned an academic adviser in the major field and also may secure the assignment of a preprofessional adviser.

The general preprofessional preparation needed for some of the programs about which students inquire most often is described below. Students interested in programs in professional fields other than those described should direct their inquiries to the advisement coordinator in the Advising Center or to the head of the appropriate department. For more information about preprofessional programs, visit the Website at www.wcu.edu/honorscollege/pginformation.html

Pre-Engineering. A two-year pre-engineering program is offered in the Department of Chemistry and Physics. It emphasizes basic courses in chemistry, mathematics, physics, and the humanities that are common to all engineering curricula. The program may be modified depending upon the field of engineering chosen and the school of engineering to which the student plans to transfer.

Western Carolina University’s pre-engineering program has been approved by the Subcommittee on Engineering Transfer. This allows qualified Western Carolina University students to transfer to the engineering programs at North Carolina A&T, North Carolina State University, and the University of North Carolina at Charlotte and ensures the acceptance of technical program course credits at these universities. Since most core courses in the sciences and mathematics are uniform in most accredited engineering schools, students may elect to transfer to other engineering schools of their choice. Students are advised by a faculty adviser in the Department of Chemistry and Physics.

Pre-Law. Law schools typically require a bachelor’s degree for admission, but no one curriculum or major is recommended or prescribed for admission. Pre-law students are urged to consult the catalog of the law school the student plans to attend for specific requirements. Students are advised by the coordinator of pre-law advisement.

Freshmen, transfer students, and students who have not declared a major will be assigned a pre-law adviser by the Advising Center. After selecting a major, students will be assigned to an appropriate department and pre-law adviser. The Law School Admission Test is administered twice each year by the Testing Center. Students should take the test late in the junior year or early in the senior year.

Pre-Medical, Pre-Dental, Pre-Optometry, and Pre-Veterinary Programs. Although the professional schools of medicine, dentistry, optometry, and veterinary medicine have traditionally admitted more students who have majored in chemistry or biology, they will accept students who have majored in any academic discipline provided that basic requirements in English, mathematics, physics, chemistry, biology, and specified electives are met. Students who have earned a bachelor’s degree normally are given preference in admission, although some students may be allowed to enter prior to their senior year.

By agreement between Western Carolina University and Bowman Gray School of Medicine, students may earn a master of science degree in biology or chemistry at Western Carolina University and receive credit for selected courses toward a Ph.D. degree in biochemistry at Bowman Gray.

Pre-Pharmacy. Two years (64 semester hours) of preparatory work are normally required for admission to a three-year pharmacy program.
Advisers are available in the Advising Center and the Departments of Biology and Chemistry/Physics. Pre-pharmacy students should plan to enroll in English, chemistry, biology, physics, mathematics, and the appropriate elective courses required for admission to the chosen professional school. Most schools require the Pharmacy College Admissions Test (PCAT) to be taken during the second year of preprofessional study.

Cooperative Transfer Agreements with Community Colleges

Western Carolina University participates in the general transfer agreements developed by the University of North Carolina General Administration in cooperation with the North Carolina community colleges. The university is developing additional agreements and transfer guides with individual community colleges in all academic areas. For additional information, contact the transfer coordinator in the Western Carolina University admissions office or a local community college.

Cooperative Program in Agriculture and Life Sciences

Students who complete a two-year prescribed course of study at Western Carolina University have the opportunity to transfer to North Carolina State University in one of the following bachelor’s degree programs in the School of Agriculture and Life Sciences:

- Agricultural economics
- Agricultural business management
- Agronomy
- Animal science
- Biological and agricultural engineering
- Biochemistry
- Biological sciences
- Botany
- Conservation
- Fisheries and wildlife sciences
- Food science
- Horticultural science
- Medical technology
- Pest management
- Poultry science
- Applied sociology
- Zoology
- Selected preprofessional programs

For further information, contact the department head in the geosciences and natural resources management department.

Cooperative Program in Forestry

By agreement between Western Carolina University and the School of Forest Resources at North Carolina State University, a student interested in the field of forest resources may take the first two years of the program at Western Carolina University and the remainder at North Carolina State University. For further information, contact the department head in the geosciences and natural resources management department.

During the freshman year, students should select one of four specialty areas of the program:

1. Forestry
2. Wood science and technology
3. Pulp and paper science and technology
4. Recreation resources administration

The courses to be pursued for each area are available from the department head in the geosciences and natural resources management department.

Students with acceptable scholastic records in the first two years of the program may earn the professional degree in two additional years. Before transferring, students should check their credits with the requirements of North Carolina State University to determine the advisability of completing additional courses in summer school at one of the two institutions. A GPA of 2.5 is required for transfer.

Experiential Programs

Western Carolina University endorses the concept of education as a multidimensional process of learning that incorporates study and practice. To that end, its curricula are designed to provide for acquisition of knowledge and understanding of theory combined with opportunities for experience in practical applications in real settings. Many of the degree programs include required work in professional situations specific to the positions and career areas for which the students are preparing. At the student's option, a variety of other work opportunities deriving from and related to academic study are available. To further its commitment to the preparation of well-qualified graduates, the university provides various types of support to departmentally developed experiential activities. It also operates university-wide programs that make work opportunities directly related to their fields of study available to all students.
Western Carolina University has the following guidelines for enrolling students in external instruction courses/programs. External instruction programs are defined as instruction received at a site(s) to which the student is sent by the enrolling institution to participate in instructional activities. Encompassed in the scope of external instruction are programs referred to as cooperative education, practical training, independent study, and open-circuit televised instruction.

1. All courses are bona fide approved by all required college, university, state, regional, and national regulatory agencies. Courses are also approved to meet all certification and licensing requirements.

2. All courses are an integral part of the student's program, credit will apply toward graduation and/or will be required for a particular degree program.

3. All courses are appropriately rigorous with credit assigned proportionate to the amount of instructor involvement and control (course credit is determined by university and state requirements).

4. The university/college has an agreement on file with specific work sites assuring that the experiences will provide opportunities for application of the knowledge, skills, and competencies gained from on-campus academic programs.

5. All courses have regularly-employed faculty members responsible for all students participating in external instruction courses.

Cooperative Education Program. Cooperative education is a program in which students combine academic study with career-related work experience while pursuing a degree. Designed to be an integral part of the educational experience, the program offers experiential learning in both full-time and part-time positions in virtually all majors. Participants are primarily undergraduates, but some graduate programs offer co-op to their students. Information about eligibility for the program, work opportunities, and requirements for credit is available from the Career Services/Cooperative Education Office, Room 237, Killian Annex.

Internships and Practicums. A broad range of full-time and part-time learning opportunities are provided through internships, practica, field courses, and clinical affiliations for periods of one or more terms. The courses allow students to gain experience in the actual practice of a profession and to develop mastery of the tasks, skills, and theory applications in career fields pertinent to their majors. The experiences gained are well integrated into the curricula and are frequently included in the requirements for a degree.

Independent Study. Independent study courses are offered by several departments at Western Carolina University. The content and criteria for each course is determined by each academic department. Credit for these courses range from one to six semester hours credit as determined by the department. Students must be juniors or seniors in order to take an independent study course.
The mission of the College of Applied Sciences is to offer quality education for a variety of professional careers. In fulfilling this role, the college provides undergraduate and graduate educational programs in Cullowhee and Asheville.

The faculty of the college engage in instruction, research, and service. The primary activity of the faculty is teaching. Quality undergraduate and graduate education is provided for a diverse student population through student-faculty involvement which promotes creativity and critical thinking. Complementary faculty activities include providing individualized student advisement, service, continuing education opportunities, maintaining currency in areas of expertise, active involvement in professional organizations, and scholarly activities including research, creative activities, presentations, and publications.

The college is responsible to the Office of Academic Affairs and is organized into six academic departments (criminal justice, engineering technology, health sciences, human environmental sciences, nursing, and physical therapy).

Special Expenses Due to the nature of the clinical and laboratory experiences required in some of the college's programs, students will encounter special expenses beyond those listed in the fees section of this catalog. Liability insurance, uniforms, transportation to clinical sites, and special texts and class materials are examples of what might be expected. Each program has different requirements and students should discuss costs with the program director.

Admission to Health Sciences and Nursing Programs Declaration of a major in the health sciences or nursing departments does not guarantee admission to the junior-senior sequence in the major. Students are not officially in the professional segment of a program until they have received written notification of their program admission. Applications for program admission are normally available from December 1 through February 15 of each year for potential admission in the fall of the next academic year.

Clinical Laboratory Sciences Students may apply for admission to the program when they have completed, or are concurrently completing, all liberal studies and program requirements. A minimum GPA of 2.0 is required. Applications must be received in the program office by February 15. Interviews are required. Admissions decisions are announced in writing to applicants by March 15. An accelerated curriculum available for associate degree medical laboratory technicians normally allows completion of degree requirements in two years.

Emergency Medical Care Admission to the professional sequence requires the completion of a minimum of 60 semester hours including all liberal studies and preprofessional courses. Applicants must hold or be eligible for North Carolina EMT certification and forward an application to the program office by February 15 of each year for entry the following August. Application to the program does not assure acceptance. Articulating and other transfer students holding current paramedic certification should contact the program director about degree requirements and program admission. Students admitted to the professional sequence must earn a grade of C (2.0) or better in each EMC course in the major and an overall 2.0 GPA to remain in the program.

Environmental Health Students may apply for admission to the major at anytime after becoming a student at WCU and must have a minimum cumulative GPA of 2.0. Applicants are evaluated on their overall educational records, including achievement in science and non-science courses as well as communication skills. Transfer students will be admitted with provisional status for one semester. Students admitted to the professional sequence will be required to maintain a C (2.0) in each course in the major and in the emphasis area.

Health Information Management Students must have completed 59-60 semester hours of college work before admission. In addition, BIOL 291 and BIOL 292 must be completed prior to the spring semester of the first year in the HIM program. To be eligible to apply, a
GPA of 2.0 is required. However, application does not assure acceptance. Students must earn a grade of C (2.0) or above in each professional course in order to remain in the program.

**Nursing** Admission to the upper-division nursing major is competitive, and priority is given to the best qualified students. To be considered for admission, all students must have completed, or be in the process of completing, 60 semester hours of college work, including all program requirements. Admission is based on cumulative GPA (2.75) minimum on all previous undergraduate college work and test scores. This applies to the basic, non-RN student. Students who are already licensed as RNs will continue to meet the 2.5 minimum GPA requirement. Further details are in the departmental application packet. Applications from non-RNs should be received with all supporting materials by January 15. Registered nurses may apply at any time of the year. Students must earn a grade of C (2.0) or better in each required course in the major in order to remain in the program.

**Nutrition and Dietetics** Students may declare a major in nutrition and dietetics when they have completed, or are concurrently completing, all liberal studies and program requirements. The undergraduate didactic program in nutrition and dietetics (DPD) is accredited by the American Dietetic Association (ADA). Students who complete the program with a minimum GPA of 2.5 and a C (2.0) or better in all major courses will receive an ADA verification statement. This verification statement qualifies graduates to pursue further training in ADA-accredited dietetic internships or ADA-approved preprofessional practice programs, after which they will be eligible to take the ADA registration examination to become registered dietitians. Western Carolina University offers this training within the dietetic internship, which is a part of the master of health sciences degree program. Admission to the option and to the program is competitive.

**APPLIED SCIENCES INTERDISCIPLINARY PROGRAMS**

**Multi-Media Minor**

The minor will consist of 18 hours with nine hours of core courses and nine hours of elective courses. Students will take one course in each of the three core areas: visual, choose from ART 320, CMPM 306, or ENGL 313; audio, MUS 383; textual, choose ENGL 304 or CMPM 404. The remaining nine hours will be selected from other core courses and these additional courses involving multimedia history and technology: ART 479, CMPM 406, EDCD 372, EDEL 466, EDEL 472, ECET 301, ECET 302, ENGL 305, ENGL 307, ENGL 310, MUS 181, and MUS 283.

**DEPARTMENT OF CRIMINAL JUSTICE**

*David C Whelan, head*

*L Briggs, E Davis, B Dougherty, F Hawley, W Hyatt, J Kaufman, N Okereafaezeke*

**Major in Criminal Justice, B S Degree**

Liberal Studies, 42 hours

Program requirements, 6 hours: PSY 150 and ENGL 401

The major requires 51 hours as follows:

- CJ 250 The Criminal Justice System, 3 hours
- CJ 320 The Law Enforcement Process, 3 hours
- CJ 330 Courts and Criminal Procedure, 3 hours
- CJ 340 The Corrections Process, 3 hours
- CJ 352 Planning and Methodology, 3 hours
- CJ 455 Criminal Justice Theory, 3 hours
- CJ 482 Senior Directed Research, 3 hours
- PSC 302 or 303 or 304 or 307, 3 hours
- PSY 310 or 331 or 363 or 430 or 470, 3 hours
- SOC 250 or 235 Deviant Social Behavior or Social Problems, 3 hours
Criminal Justice upper-division electives, 21 hours, with no more than 3 hours from CJ 389/483 and no more than 6 hours from CJ 480

General electives (29 hours) are required to complete the program. Students are urged to plan, in consultation with their faculty adviser, an elective program that will lead to competency in a secondary area.

**Minor in Criminal Justice**

The minor requires 18 hours, including CJ 250, and 15 hours of electives approved by the department head.

**DEPARTMENT OF ENGINEERING TECHNOLOGY**

*Duane D. Dunlap, head*

*A Ball, R Bumgarner, K Burbank, J Cook, R Dalley, G DeSain, C Ferguson, W Medaris, J Pounds, B Sims, T Smith, R Temple, D Wood*

**Major in Construction Management, B.S. Degree**

Liberal Studies, 42 hours

Program requirements, 16 hours: GEOL 305, MATH 140, MATH 144, PHYS 130

The major requires 66 hours as follows:

- CM 121 Introduction to Construction, 3 hours
- CM 211 Construction Methods & Materials, 3 hours
- CM 222 Construction Surveying Layout, 3 hours
- CM 242 Construction Documents and Quantity Takeoff, 3 hours
- CM 332 Construction Site Planning and Equipment, 3 hours
- CM 342 Cost Estimating, Bidding & Project Planning, 3 hours
- CM 362 Computerized Construction Estimating & Scheduling, 3 hours
- CM 375 Mechanical and Electrical Construction, 3 hours
- CM 421 Construction Human Factors and Labor, 3 hours
- CM 431 Construction Project Management, 3 hours
- CM 452 Construction Capstone Project, 3 hours
- CM 483 Required Internship in Construction, 3 hours
- CM 495 Construction Administration Seminar, 3 hours
- ACCT 251 Accounting Principles I, 3 hours
- ECON 231 Introductory Microeconomics & Social Issues, 3 hours
- ET 242 Computer Graphics for Construction Processes, 3 hours
- ET 424 Facilities Management, 3 hours
- LAW 230 Legal Environment of Business, 3 hours
- LAW 430 Construction Contracts and Law, 3 hours
- MET 321 Statics & Strength of Materials, 3 hours
- MGT 300 Introduction to Management, 3 hours
- TEL 345 Introduction to Local Area Networks, 3 hours
Major in Electrical and Computer Engineering Technology, B S Degree

Liberal Studies, 42 hours

Program requirements, 25 hours  MATH 145, 146, 153, 170, 255, PHYS 130, 131

The major requires 58 hours as follows
Core courses, 30 hours
CS 150 Computer Programming I, 4 hours
ECET 231 Circuit Analysis I, 4 hours
ECET 242 Electronic Circuits, 4 hours
ECET 290 Computer Engineering Fundamentals, 3 hours
ECET 321 Circuit Analysis II, 4 hours
ECET 331 Digital Integrated Circuits, 4 hours
ECET 341 Advanced Circuit Analysis, 3 hours
ECET 478 Senior Design Project Proposal, 1 hour
ECET 479 Senior Design Project, 3 hours

Upper Division (28 hours)
ECET 332 Microcontrollers, 4 hours
ECET 431 Microprocessor Interfacing, 4 hours
ECET 452 Control Systems, 4 hours
ECET 461 Digital Signal Processing, 3 hours
ECET 464 Instrumentation, 4 hours
ECET, MET, TEL, CS Technical Electives, 5 hours
TEL 345 Introduction to Local Area Networks, 4 hours

Three (3) hours of electives are required to complete the program

To enroll in the junior-senior major courses, students must have completed the following courses with a C or better  ECET 231, 321 and MATH 153

Major in Engineering Technology, B S Degree

Liberal Studies, 42 hours

Program requirements, 16 hours  MATH 140, 144, PHYS 130, CHEM 132

Core
The major requires 21 hours as follows
CM 211 Construction Methods and Materials, 3 hours
ET 101 Introduction to Computer Graphics & Animation, 3 hours
ET 151 Computer Graphics for Documentation & Layout, 3 hours
ET 495 Engineering Technology Seminar, 3 hours
MET 132 Engineering Graphics, 3 hours
MET 141 Engineering Materials, 3 hours
MET 242 Machining Processes, 3 hours

Computer Graphics Concentration
The concentration consists of 24 hours as follows
ET 242 Computer Graphics for Construction Processes, 3 hours
ET 352 3D Computer Graphics & Animation, 3 hours
ET 353 Advanced 3D Computer Graphics & Animation, 3 hours
ET 410 Parametric Modeling in Engineering Design II, 3 hours
ET 425 Metrology & Rapid Prototyping, 3 hours
ET 479 Computer Graphics & Animation Portfolio Project, 3 hours
MET 231 Parametric Modeling in Engineering Design I, 3 hours
MET 321 Statics and Strength of Materials, 3 hours
Approved Program Concentration

Twenty-four hours of course work from the Department of Engineering Technology is required, 21 of the 24 hours must be upper level.

General electives (21 hours at the upper level) are required to complete the program.

At least 32 hours of the courses taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.

Occupational Safety Certificate

Students may elect to include in their programs of study a 14-15 hour sequence in the area of occupational safety. Emphasis is placed on interpretation, application, and administration of the Occupational Safety and Health Act and other regulations to assist students to develop entry-level expertise that can be applied directly in business and industry. Students who complete HEAL 120 or ENVH 230 or ENVH 457, HSCC 240, and ET 335, 336 and 337, or their equivalents, with a minimum GPA of 2.0 will be awarded a certificate in occupational safety by the Department of Engineering Technology. The certificate is co-sponsored by the North Carolina Industrial Commission.

Major in Industrial Distribution, B.S. Degree

Liberal Studies, 42 hours

Program requirements, 16 hours: MATH 130, 144, 170, PHYS 130, and ECON 231

The major requires 51 hours as follows:

- ID 230 Industrial Distribution, 3 hours
- ID 360 Industrial Distribution Organizations, 3 hours
- ID 370 Product Management and Inventory Control, 3 hours
- ID 479 Industrial Distribution Seminar, 3 hours
- ET 335 Industrial Safety, 3 hours
- ET 420 Polymer Technology, 3 hours
- ET 423 Fluid Systems, 3 hours
- ECET 301 DC/AC Electricity, 3 hours
- ECET 302 Instrumentation and Control, 3 hours
- MET 132 Engineering Graphics, 3 hours
- MET 141 Manufacturing Materials and Processes, 3 hours
- MET 331 Quality Control I, 3 hours
- MKT 301 Principles of Marketing, 3 hours
- MKT 306 Professional Selling, 3 hours
- MKT 310 Consultative Selling, 3 hours
- LAW 230 Legal Environment of Business, 3 hours
- ACCT 251 Accounting Principles I—Financial, 3 hours

General electives (11 hours) at the junior-senior level are required to complete the program.

Minor in Industrial Distribution

A minor in Industrial Distribution requires 18 hours to include the following courses: ID 230, ID 360, ID 370, plus 9 hours selected from ECET 301, MET 132, MET 141, MET 331, ET 335, ET 420, and ET 423.

Major in Manufacturing Engineering Technology, B.S. Degree

Liberal Studies, 42 hours

Program requirements, 25 hours: MATH 145, 146, 153, 170, PHYS 130, 131, and CHEM 132.
Major requirements, 55 hours as follows

CS 130 Introduction to Computing, 3 hours
ECET 301 DC/AC Electricity, 3 hours
ECET 302 Instrumentation and Control, 3 hours
ET 335 Industrial Safety, 3 hours
ET 420 Polymer Technology, 3 hours
ET 425 Metrology and Rapid Prototyping, 3 hours
MET 132 Engineering Graphics, 3 hours
MET 141 Engineering Materials, 3 hours
MET 231 Parametric Modeling in Engineering Design I, 3 hours
MET 242 Machining Processes, 3 hours
MET 321 Statics and Strength of Materials, 3 hours
MET 331 Quality Control I, 3 hours
MET 341 CNC Machining Technology, 3 hours
MET 342 Manufacturing Analysis and Planning, 3 hours
MET 431 Automated Manufacturing, 3 hours
MET 436 Engineering Economic Analysis, 3 hours
MET 441 Fluid Power and Systems Analysis, 3 hours
MET 478 Senior Design Project Proposal, 1 hour
MET 479 Senior Design Project, 3 hours

Six hours of electives at the junior-senior level are required to complete the degree program

Major in Telecommunications Engineering Technology

Liberal Studies, 42 hours

Program requirements, 25 hours  MATH 145, 146, 153, 170, 255, PHYS 130, 131

The major requires 58 hours as follows

CS 150 Computer Programming I, 4 hours
ECET 231 Circuit Analysis I, 4 hours
ECET 321 Circuit Analysis II, 4 hours
ECET 290 Computer Engineering Fundamentals, 3 hours
ECET 242 Electronic Circuits, 4 hours
ECET 331 Digital Integrated Circuits, 4 hours
ECET 341 Advanced Circuit Analysis, 3 hours
ECET 478 Senior Design Project Proposal, 1 hour
ECET 479 Senior Design Project, 3 hours
TEL 312 Electronic Communication Fundamentals, 4 hours
TEL 345 Introduction to Local Area Networks, 4 hours
TEL 346 Wide Area Networks, 4 hours
TEL 444 Wireless Systems, 4 hours
TEL 445 Network Planning and Design I, 3 hours
TEL 446 Telecommunications Management, 3 hours
TEL 447 Network Planning and Design II, 3 hours
TEL 495 Seminar on Telecommunications, 3 hours

Three (3) hours of electives are required to complete the program

To enroll in the junior-senior TEL major courses, students must have completed the following courses with a “C” or better  ECET 231, 321 and MATH 153
Minor in Telecommunications

A minor of 17 hours may be arranged with the approval of the TEL program director to meet the individual needs and interests of non-majors.

A typical minor will include the following courses: TEL 345, TEL 346, TEL 445, TEL 446, and TEL 495.

DEPARTMENT OF HEALTH SCIENCES

Christine D. Stevens, head


Major in Clinical Laboratory Sciences, B.S. Degree

Liberal Studies, 42 hours

Program requirements, 20 hours: CHEM 140, 241, 242, 272, and BIOL 291, 292.

The major requires 56 hours as follows:

- CLS 300 Microscopy/Phlebotomy, 1 hour
- CLS 301 Analysis of Body Fluids, 3 hours
- CLS 303 Basic Hematology, 3 hours
- CLS 304 Immunology, 3 hours
- CLS 305 Clinical Parasitology, 2 hours
- CLS 306 Immunohematology, 4 hours
- CLS 308 Advanced Hematology, 3 hours
- CLS 309 Clinical Biochemistry, 3 hours
- CLS 311 Basic Medical Microbiology, 3 hours
- CLS 312 Advanced Medical Microbiology, 3 hours
- CLS 406 Laboratory Management, 2 hours
- CLS 485, 486, 487, 488, 489 Clinical Practicums: Urinalysis, 2 hours; Hematology, 3-5 hours; Blood Banking and Serology, 3-5 hours; Microbiology, 3-5 hours; Clinical Chemistry, 3-5 hours (Articulating students will take these courses for 3 hours each)
- CHEM 361 Principles of Biochemistry, 3 hours
- HSCC 310 Principles of Clinical Precepting, 1 hour

General electives, 10 hours

Major in Emergency Medical Care, B.S. Degree

Liberal Studies, 42 hours

Program requirements to be completed before the junior year, 20-21 hours: BIOL 291, 292, HSCC 240, 241, and CHEM 132, 133 or 140, 241.

The major requires 57 hours as follows:

- EMC 340 Introduction to Clinical Medicine, 4 hours
- EMC 350 Cardiology, 2 hours
- EMC 351 Basic ECG Interpretation, 1 hour
- EMC 360 Acute Fluid and Respiratory Disorders, 2 hours
- EMC 361 Advanced Emergency Medical Techniques, 1 hour
- EMC 370 Medical Emergencies, 3 hours
- EMC 382 Clinical Practicum I, 1 hour
- EMC 410 Trauma Management, 3 hours
- EMC 420 Maternal and Child Emergency Care, 3 hours
- EMC 430 Special Needs Patients, 2 hours
- EMC 451 Advanced ECG Interpretation, 1 hour
EMC 483 Clinical Practicum II, 4 hours
EMC 484 Clinical Practicum III, 2 hours
EMC 485 MICU Practicum, 3 hours
EMC 496 Senior Seminar in Emergency Medical Care, 1 hour
HSCC 330 Legal and Legislative Aspects of Health Care, 3 hours
HSCC 370 Introduction to Pharmacology, 3 hours
PSY 460 Crisis Intervention, 1 hour

Concentration selected from
Science, 17 hours HSCC 470, PHYS 130, 131, CHEM 242, 272, plus 2 hours from BIOL 300/400, CHEM 300/400, and ENVH 470
Health Management, 17 hours HSCC 310, 450, 470, MGT 300, plus 6 hours from ACCT 161, ECON 231, 235, EMC 445, HSCC 320, 440, 471, MGT 304, MGT 306, MKT 301

General electives (8-9 hours) including 8 hours at the 300/400 level for students electing the science concentration are required to complete the program.

Major in Environmental Health, B.S. Degree

Liberal Studies, 42 hours
Program requirements, 17 hours MATH 130, MATH 170 or PSY 251, MATH 145, PHYS 105 (in addition to courses taken to meet general education requirements), and BIOL 292

The major requires 62 hours as follows

Preprofessional courses, 15 hours CHEM 132, 133, 330, BIOL 413, 414
ENVH 230 Introduction to Environmental Health Science, 3 hours
ENVH 310 Water Quality Control, 4 hours
ENVH 330 Food Protection and Sanitation, 4 hours
ENVH 375 Environmental Toxicology, 3 hours
ENVH 440 Air Quality Control, 4 hours
ENVH 457 Industrial Hygiene, 3 hours
ENVH 458 Environmental Regulation and Law, 3 hours
ENVH 460 Senior Seminar in Environmental Health, 1 hour
ENVH 470 Principles of Epidemiology, 3 hours
ENVH 475 Environmental Program Administration, 3 hours
ENVH 483 Environmental Health Internship, 3 hours
GEOG (GEOL) 305 Soils and Hydrology, 4 hours
Designated emphasis area (9 hours) in industrial safety, public health, water quality, chemistry, environmental protection, or natural resources management are required

General electives (7 hours) are required to complete the program. The courses selected in the designated emphasis area and in general electives must include, in combination, at least 8 hours at the junior-senior level.

Major in Health Information Management, B.S. Degree

Liberal Studies, 42 hours
Program requirements, 18 hours CHEM 132, MATH 170 or PSY 251, BIOL 291, 292, and CIS 251

The major requires 60 hours as follows
HIM 301 Introduction to Health Information Management, 3 hours
HIM 303 Planning and Organizing in Health Information Management, 2 hours
HIM 310 Fundamentals of Clinical Medicine for Health Information Management, 3 hours
HIM 402 Controlling Resources in Health Information Management, 2 hours
HIM 403 Health Data Collection, 3 hours
HIM 404 Health Information Classification Systems I, 4 hours
HIM 405 Health Information Classification Systems II, 3 hours
HIM 406 Topics in Health Information Management, 2 hours
HIM 408 Health Care Information Systems, 2 hours
HIM 410 Computers in Health Care, 3 hours
HIM 412 Regulations and Comparative Record Keeping, 2 hours
HIM 484 Clinical Practicum I, 3 hours
HIM 485 Clinical Practicum II, 1 hour
HIM 486 Clinical Practicum III, 3 hours
HIM 495 Seminar in Health Information Management, 3 hours
HSCC 220 Medical Terminology, 3 hours
HSCC 260 Etiology of Infectious Diseases, 3 hours
HSCC 330 Legal and Legislative Aspects of Health Care, 3 hours
MGT 300 Introduction to Management, 3 hours
HSM 310 Systems and Trends in Health Care Delivery, 3 hours
HSM 320 Human Resource Management in Health Care Agencies, 3 hours
HSM 440 Quality Management in Health Facilities, 3 hours

Electives (8 hours) are required to complete the program

Major in Nutrition and Dietetics, B.S. Degree

Liberal Studies, 42 hours
Program requirements, 11 hours CHEM 132, 133, and PSY 150

The major requires 53 hours as follows

ND 231 Food Science, 4 hours
ND 330 Human Nutritional Needs, 3 hours
ND 334 Nutritional Applications, 2 hours
ND 340 Community Nutrition, 2 hours
ND 433 Research Methods in Nutrition, 3 hours
ND 434 Experimental Methods in Foods, 3 hours
ND 436 Advanced Human Nutrition, 4 hours
ND 437 Diet Therapy, 4 hours
ND 439 Introduction to Professional Practice, 3 hours
HSCC 310 Principles of Clinical Precepting, 1 hour
HM 333 Quantity Foods, 3 hours
HM 430 Food Systems Management, 3 hours
BIOL 292 Human Anatomy and Physiology, 4 hours
BIOL 313 or HSCC 260 Microbiology in Health and Nutrition or Etiology of Infectious Diseases, 3 hours
HSCC 330 Legal and Legislative Aspects of Health Care, 2 hours
HSM 320 Human Resource Management in Health Care Agencies, 3 hours
HSM 450 Financial Management in Health Care, 3 hours
MATH 170 Applied Statistics or PSY 251 Research Methods I Statistics, 3 hours

General electives (14 hours) are required to complete the program

Minor in Nutrition and Dietetics

The minor requires 18-22 hours, including ND 231, 330 and 334, and 8 hours of approved electives

DEPARTMENT OF HUMAN ENVIRONMENTAL SCIENCES

Davia Allen, head

C Brown, S Grunwell, B Martin, K Special, J Temple, M Yops
Major in Hospitality and Tourism, B S Degree

Liberal Studies, 42 hours

Program requirements, 12 hours ACCT 251, ECON 231, FIN 305, LAW 402

The major requires 48-49 hours as follows

HT 130  Introduction to Hospitality and Tourism, 3 hours
HT 230  Tourism Fundamentals, 3 hours
HT 332  Hospitality Service, 3 hours
HT 335  Lodging and Resort Management, 3 hours
HT 336  Club Management, 3 hours
HT 337  Meetings, Convention, and Event Planning, 3 hours
HT 430  Restaurant and Food Systems Management, 3 hours
HT 431  Hospitality and Tourism Marketing, 3 hours
HT 432  Hospitality and Tourism Supervision, 3 hours
HT 436  Tourism Planning and Development, 3 hours
HT 437  Bar and Beverage Operations, 3 hours
HT 438  Senior Seminar, 3 hours
HT 483  Internship, 3 hours
HT 484  Internship, 3 hours

Select 2 courses from the following

ENVH 330 Food Protection and Sanitation, 4 hours
HT 330  Rooms Division I, 3 hours
HT 331  Rooms Division II, 3 hours
HT 333  Quantity Foods, 3 hours
HT 339  Cost Control, 3 hours
PRM 440 Travel and Tourism, 3 hours
ECON 420 Recreation, Sports, and Tourism Economics, 3 hours

General electives, 17-18 hours

Major in Interior Design, B S Degree

Liberal Studies, 42 hours

Program requirements, 9 hours nine hours selected from the following ART 132, 142, 131, 141, 233, 234, 241, 251

The major requires 60 hours as follows

IDES 250  Introduction to Interior Design, 3 hours
IDES 251  Architectural Drafting and Design, 3 hours
IDES 252  Survey of Interior Materials, 3 hours
IDES 255  Space Planning, 3 hours
IDES 256  Perspective Drawing, 3 hours
IDES 257  Architectural Construction Process, 3 hours
IDES 350  History of Furniture and Design I, 3 hours
IDES 351  Lighting Design, 3 hours
IDES 352  Residential Design I, 3 hours

Select 3 hours from the following

IDES 355 History of Furniture and Design II, 3 hours
ART 136, 137

IDES 356  Contract Design I, 3 hours
IDES 357  Kitchen and Bath Design I, 3 hours
IDES 358  CAD for Interior Design, 3 hours
IDES 450  Residential Design II, 3 hours
IDES 451  Kitchen and Bath Design II, 3 hours  
IDES 455  Contract Design II, 3 hours  

Select 3 hours from the following  
IDES 456  Professional Practice in Interior Design, 3 hours  
ACCT 251, LAW 230, 331, MGT 300, MKT 301, 306  

IDES 389 or 483 Cooperative Education/Internship, 3 hours  

Select one of the following to complete the research/project requirement  
IDES 452 Senior Research, 3 hours and IDES 457 Senior Project, 3 hours  

or  
IDES 465 Travel Studies, 6 hours  

General Electives, 12 hours  

To continue in the program, students must earn a grade of C or better in each IDES course in the major  

Minor in Hospitality and Tourism  
The minor requires 18 hours  HT 130 required  Select 5 courses from the following  230, 330, 331, 332, 333, 335, 336, 337, 339, 430, 431, 432, 436, 437  

Minor in Residential Environments  
The minor requires 18 hours  IDES 250, 252, 350, 355 and 6 hours from the following  ART 131, 132, 136, 137, 141, 142, 233, 234, 241, 251  

DEPARTMENT OF NURSING  

Vincent P Hall, head  


Major in Nursing, BSN Degree/Basic Curriculum Option  

Liberal Studies, 42 hours  

Program requirements, 22 hours  BIOL 291, 292, CHEM 132 or 140, 133, HSCC 260, and PSY 150 or approved substitute  

The major requires 53 hours as follows  

NSG 340 Basic Nursing Skills, 4 hours  
NSG 341 Nursing Pharmacotherapeutics, 2 hours  
NSG 350 Dimensions of Professional Nursing, 2 hours  
NSG 353, 355, 466, 467 Nursing Science I, II, III, IV, 19 hours  
NSG 383, 385, 486, 487 Clinical Practicum I, II, III, IV, 15 hours  
NSG 460 Nursing Leadership and Management, 3 hours  
NSG 470 Nursing Research, 3 hours  
NSG 475 Perspectives of the Nursing Profession, 2 hours  
ND 338 Normal and Therapeutic Nutrition, 3 hours  

General electives (11 hours) are required to complete the program
Capstone Curriculum Option (for registered nurses)
Liberal Studies, 42 hours

Program requirements, 22 hours  BIOL 291, 292, CHEM 132 or 140, 133, HSCC 260, and
PSY 150 or approved substitute

The major requires 53 hours as follows

NSG 301 Transition to Professional Nursing, 3 hours
NSG 302 Health Promotion in the Community, 3 hours
NSG 384 Practicum in Community Health Nursing, 3 hours
NSG 399 Seminar  Professional Nursing Knowledge and Skills, 2 hours
Credit by exam, 31 hours (in lieu of NSG 340 and 466, HSCC 370, ND 338, and portions
of NSG 353, 355, 383, 385, 467, and 486)
NSG 460 Nursing Leadership and Management, 3 hours
NSG 470 Nursing Research, 3 hours
NSG 475 Perspectives of the Nursing Profession, 2 hours
NSG 483 Practicum in Clinical Management, 3 hours

General electives (11 hours) are required to complete the program
COLLEGE OF ARTS AND SCIENCES

Robert A Vartabedtan, dean
C Don Livingston, associate dean

The role of the College of Arts and Sciences is to serve as a community of scholarship involving students and faculty in a broad range of intellectual and aesthetic activities.

The most significant of these activities is the teaching/learning process that takes place between students and faculty in classrooms, laboratories, studios, and field locations. The college provides a varied curriculum in the fine arts, humanities, and sciences. The curriculum includes general education courses that provide the basic intellectual skills and perspectives essential for preparing all university students for effective participation in modern life. In addition, specialized courses are offered that serve the baccalaureate and graduate degree programs of this college and its sister colleges. Many departments in the college are actively involved in teacher preparation.

Scholarly productivity through a variety of discipline-related activities is essential to the growth of the college and university. For this purpose, the faculty engage in research, creative activities, and publication. Students are often directly involved in these scholarly activities, which enhance the reputation of the college and university in the broader academic world.

The activities of the college also include service to the university, region, state, nation, and international community. Faculty members act as advisers for undergraduate and graduate students and support extracurricular activities. Faculty participate in university governance through membership on departmental, college, and university committees. College faculty also share intellectual, cultural, and problem-solving interests with audiences throughout Western North Carolina and beyond.

Program Requirements: College-level program requirements for all bachelor of arts degree programs include MFL 231-232 or 240.

DEPARTMENT OF ANTHROPOLOGY AND SOCIOLOGY

Nyaga Mwaniki, acting department head

D Ashmore, J Bardo, M Chamberlin, P Coyle, J Eastman, R Gougeon, T Hickey, P Nieckarz, A Rogers

Major in Anthropology, B.A. Degree

Liberal Studies, 42 hours

Program requirements, 6 hours: MFL 231-232 or 240

The major requires 36 hours as follows:

250 Archeology and Bioanthropology, 3 hours
260 Cultural and Social Anthropology, 3 hours
341 History of Anthropological Theory, 3 hours

Electives (27 hours) selected from junior and senior level anthropology courses

To complete the program, 44 hours are required, including a second major, minor, or other approved program. Students must take at least 32 hours at the junior-senior level at WCU to satisfy general degree requirements.

Major in Anthropology, B.S. Degree

All the requirements for the degree are the same as those listed previously for the bachelor of arts degree, except that a foreign language is not required and electives are increased by 6 hours.
**Major in Sociology, B.A. Degree**

Liberal Studies, 42 hours

Program requirements, 6 hours  MFL 231, 232 or 240

The major requires 33 hours  The following courses are required

- 231 Principles of Sociology, 3 hours
- 385 Methods of Social Research, 3 hours
- 386 Analysis of Social Data, 3 hours
- 391 Sociological Theory, 3 hours

Electives (21 hours) to complete a sociology major selected from sophomore, junior, or senior level sociology courses

To complete the degree, 39 hours are required, including a minor, second major, or other approved program. Students must take at least 30 hours at the junior-senior level at WCU to satisfy general university degree requirements

**Major in Sociology, B.S. Degree**

All the requirements are the same as described above for the bachelor of arts degree, except that a foreign language is not required and general electives are increased by 6 hours

**Minor in Sociology**

The minor requires 21 hours, including SOC 231 and 18 hours of sophomore, junior, or senior level sociology courses

**Minor in Anthropology**

The minor requires 21 hours, including ANTH 250, 260, and 15 hours of junior-senior level anthropology courses

**DEPARTMENT OF ART**

*Matthew Liddle, acting head*

*P Bailey, L Budahl, J Byrd, R Godfrey, C Griffin, J Jicha, K Michel, L Petrovich-Mwaniki, M Roland, J Smythe, J Thompson*

During the sophomore year, a portfolio review will be required for admission into the B.F.A., B.S.Ed., and B.A. programs

**Major in Art, B.F.A. Degree**

Liberal Studies, 42 hours

Program requirements, 3 hours  PHIL 310

The major requires 66 hours as follows

- 131 Introductory Drawing, 3 hours
- 132 Two-Dimensional Design, 3 hours
- 136, 137 Art History Survey I, II, 6 hours
- 141 Figure Drawing, 3 hours
- 142 Three-Dimensional Design, 3 hours
- 416 Contemporary Art History, 3 hours
- 474 Portfolio, 3 hours

Art history electives (6 hours) at the junior-senior level and studio electives (12 hours for studio and 15 hours for graphic design) selected from 233, 234, 241, 251, 270, 350, 352, 354, 359, 372, 459, and 480 are required. (Students in graphic design must take 270 and 372, and 9 additional studio elective hours.)
Concentration (21-24 hours) selected from

**Studio** 24 hours of courses at the junior-senior level, taken in no more than one area, selected from painting/drawing, printmaking, book arts, sculpture, ceramics, and photography are required to complete the major. With permission, 6 hours of these may be selected from a related area.

**Graphic Design** 21 hours, including ART 370, 371, 374, 474, and 483 or 389, and 9 hours selected from photography*, printmaking*, book arts*, and graphic design at the junior-senior level are required to complete the program. *No more than one course each from these areas will apply towards this requirement.

General electives (17 hours) are required to complete the program. At least 32 hours taken at WCU must be at the junior-senior level to meet one of the general university degree requirements. To continue in the program, students must earn a grade of C or better in each course in the major.

**Major in Art, B.A. Degree**

Liberal Studies, 42 hours

Program requirements, 6 hours MFL 231, 232 or 240

The major requires 42 hours as follows:

131 Introductory Drawing, 3 hours
132 Two-Dimensional Design, 3 hours
136, 137 Art History Survey I, II, 6 hours
141 Figure Drawing, 3 hours
142 Three-Dimensional Design, 3 hours
PHIL 310 Philosophy of Art, 3 hours

Studio emphasis (21 hours), including at least 12 hours at the junior-senior level, or an art history emphasis to include 15 hours in junior-senior art history courses and 6 hours of art electives is required.

To complete the program, a total of 38 hours is required, including a second major, minor, or other approved program and general electives. At least 32 hours taken at WCU must be at the junior-senior level to meet one of the general university degree requirements. To continue in the program, students must earn a grade of C or better in each art course in the major.

**Major in Art, B.S.Ed Degree**

Liberal Studies, 42 hours

The major requires 58 hours as follows:

131 Introductory Drawing, 3 hours
132 Two-Dimensional Design, 3 hours
136, 137 Art History Survey I, II, 6 hours
142 Three-Dimensional Design, 3 hours
263 Introduction to Art Education, 1 hour
365 Art Methods for the Elementary School, 3 hours
367 History and Philosophy of Art Education, 3 hours
416 Contemporary Art, 3 hours
463 Art Methods for the Middle and High School, 3 hours

3 hours art history electives at the junior-senior level
18 hours art studio 233, 234, 241, 251, 270, 372
9 hours art studio electives selected as 300- or 400-level courses in the same studio discipline

The professional education sequence (25 hours) for secondary and special subject teaching, exclusive of the methods course, and general electives (3 hours) are required to complete the program. To continue in the program, students must earn a grade of C (2.0) or better in each art course in the major.
Minor in Art
The minor requires 21 hours, including ART 131, 132, 136, 137, and 9 hours of art electives selected with the advice of the head of the art department.

ARTS AND SCIENCES INTERDISCIPLINARY PROGRAMS
Robert Vartabedian, dean

Minor in American Studies
The minor requires 18 hours, including ENGL 261, 262, and one junior-senior level American literature course selected from ENGL 365, 367, 463, 464, 479, or 480, and 9 hours from other course offerings with a focus on the American landscape, life, history or culture, including ANTH 417, 431, 461, 473, ART 314, ASI 493, 494, BIOL 251, 425, GEOG 400 (all of which have prerequisites), HIST 231, 232, 341, 432, 433, 434, 435, 436, 442, 443, 445, 446, 451, PHIL 330, PSC 231, 302, 305, 306, 334, 347, 407 (Available to all majors)

Interdisciplinary Minor in Appalachian Studies
The minor requires 21 hours, including ASI 250 and 450, and 15 hours of electives from ANTH 417, ANTH 473, BIOL 251, ENGL 367, HIST 445, HIST 446, and HIST 472

Minor in Cherokee Studies
The minor requires 21 hours, including HIST 445, CHER 101, 132, ANTH 461, 473, and 6 hours of electives selected from CHER 231, 232, ANTH/ART 379, and USI 394

Minor in International Studies
The minor is open to juniors and seniors majoring in anthropology, economics, geography, history, foreign language, political science, or sociology. In addition to meeting the requirements for a major in one of the participating departments, the student must complete 21 hours, including PSC 331, 480, and 15 hours in approved electives in two or more areas outside the major field.

Multi-Media Minor
The minor will consist of 18 hours with nine hours of core courses and nine hours of elective courses. Students will take one course in each of the three core areas: visual, choose from ART 320, CMPM 306, or ENGL 313, audio, choose from MUS 383, textual, choose ENGL 304 or CMPM 404. The remaining nine hours will be selected from other core courses and these additional courses involving multimedia history and technology: ART 479, CMPM 406, EDCD 372, EDEL 466, EDEL 472, ECET 301, ECET 302, ENGL 305, ENGL 307, ENGL 310, MUS 181, and MUS 283

Interdisciplinary Minor in Religious Studies
The minor requires 18 hours. 9 required hours in REL 105, REL 106 and either PHIL 312 (Philosophy of Religion) or REL 493 Topics in Religion. 9 hours from the following electives with no more than two courses from each discipline: REL 380, PHIL 312, PHIL 304, PHIL 305, PHIL 307, PHIL 341, PHIL 493, ANTH 260, ANTH 341, ANTH 365, ANTH 466, ENGL 390, ENGL 420, ENGL 440, HIST 311, HIST 313, HIST 370, HIST 412, HIST 431, HIST 442, ART 306
Minor in Social Change
The minor requires 24 hours, including SOC 231, 240 and 18 hours of core electives from
SOC 360, 432, 434, 448, ANTH 349, HIST 435, 436, ECON 401, 406, GEOG 460, PSC 203,
316, 436, and SOCW 373

Minor in Race, Ethnic, and Gender Relations
The minor requires 24 hours, including SOC 231, 245, 326, 414, and 12 hours of core
electives from SOC 360, 423, 448, ANTH 417, 473, HIST 442, 445, 446, 451, 463, PSY 333,
and SOCW 402

Minor in Women’s Studies
The minor requires 18 hours, including ASI 230, ENGL 477, HIST 451, SOC 326, and
electives from ANTH 419, LAW 306, NSG 360, PSC 351, PSY 333, SOC 418, SOC 420,
PSY 351, CMHC 414, and appropriate topics from ANTH 481, PSY 480, SOC 480, and
CMPR 493

DEPARTMENT OF BIOLOGY
Henry R Mainwaring, head
G Adkison, J Costa, P Galbreath, F Hinson, R Lumb, T Martin, S O’Connell, D Perlmutter, D Ptitillo, S Rundle, J Wallace, J West, P Wright

Major in Biology, B S Degree
Liberal Studies, 42 hours
Program requirements 4 hours CHEM 140
The major requires 18 hours as follows
140, 141 Principles of Biology I, II, 8 hours
304 General Ecology, 3 hours
305 Genetics and Evolution, 3 hours
333 Cell and Molecular Biology, 3 hours
496 Senior Seminar, 1 hour
Emphasis area (36-44 hours) selected from one of the following
Business, 42 hours FIN 305, ACCT 161, ECON 231, 232, MGT 300, MKT 301, PHYS 130,
131, MATH 130, 170, and 10 hours of junior-senior biology electives

Environmental Health, 36 hours BIOL 413, 414, CHEM 133, a 3 hour physics course
(additional to courses taken to meet liberal studies requirements), ENVH 230, 310, 320, 330,
440, 460, 470, and 483

Horticulture, 41 hours 8 hours selected from BIOL 413, 414, 415, 451, 455, and up to 30
hours in horticulture courses accepted in transfer with the approval of the department head,
and MATH 130 NOTE Horticulture courses are not taught at Western Carolina University

Preprofessional, 44 hours CHEM 241, 242, 272, PHYS 130, 131, 14 hours of junior-senior
biology electives, MFL 231, 232 or 240, MATH 130, and MATH 140 or equivalent

General electives (20-28 hours), are required to complete the program Recommended
electives include CIS 251 and BIOL 389 with the horticulture emphasis, GEOL 305 with the
environmental health emphasis, and CIS 251 with the business emphasis

At least 32 hours of the courses taken at WCU must be at the junior-senior level to meet one
of the general university degree requirements
Major in Science Education (Concentration in Biology), B S.Ed. Degree

Liberal Studies, 42 hours

Program requirements, 8 hours  MATH 130, 140

The major requires 48 hours as follows

140, 141 Principles of Biology I, II, 8 hours
304 General Ecology, 3 hours
305 Genetics and Evolution, 3 hours
333 Cell and Molecular Biology, 3 hours
496 Senior Seminar, 1 hour
CHEM 133, 140 Chemistry, 8 hours
PHYS 130, 131 Introductory Physics, 8 hours
GEOL 150, 155 Geology, 8 hours
Biology electives (6 hours) at the junior-senior level

The professional education sequence (28 hours) for secondary and special subject teaching and 2 hours of general electives are required to complete the program

Minor in Biology

The minor requires 18 hours, including 140, 141, 304, 305, 333, and 496

DEPARTMENT OF CHEMISTRY AND PHYSICS

David J Butcher, head


Major in Chemistry, B A Degree

Liberal studies, 42 hours

Program requirements, 19 hours  MATH 140, PHYS 130, 131 or 230, 231, and MFL 231-232 or 240

The major requires 32 hours as follows

140 Advanced General Chemistry, 4 hours
232 Quantitative Analysis, 4 hours
241, 242 Organic Chemistry I, II, 6 hours
272 Organic Chemistry Lab, 2 hours
352 Physical Chemistry I, 3 hours
370 Instrumental Analysis I, 3 hours
371 Chemical Dynamics, 2 hours
495 Seminar, 2 hours
Chemistry electives (6 hours) at the junior-senior level

A minor, second major, or other approved program and general electives (35 hours), including at least 16 hours at the junior-senior level, are required to complete the program Premedical, preveterinary, and predental students may complete the program by taking 14 hours of general electives (BIOL 140, 141, 305, 333), and 7 hours selected from BIOL 291, 292, 311, 313, 374, 413, 414, 417, 478
**Major in Chemistry, BS Degree**

Liberal Studies, 42 hours

**Core**

The major requires 29 hours in Chemistry as follows

140 Advanced General Chemistry, 4 hours
232 Quantitative Analysis, 4 hours
241, 242 Organic Chemistry I, II, 6 hours
272 Organic Chemistry Lab, 2 hours
352 Physical Chemistry I, 3 hours
361 Biochemistry, 3 hours
370 Instrumental Analysis I, 3 hours
371 Chemical Dynamics, 2 hours
495 Seminar, 2 hours

**Traditional Chemistry Concentration**

Program requirements consist of 16 hours as follows

PHYS 230, 231 General Physics I, II, 8 hours
MATH 153 Calculus I, 4 hours
MATH 255 Calculus II, 4 hours

The concentration requires 11 hours as follows

CHEM 321 Inorganic Chemistry, 3 hours
CHEM 372 Chemical Synthesis, 2 hours
CHEM 432 Instrumental Analysis II, 3 hours
CHEM 453 Physical Chemistry II, 3 hours

General electives (30 hours), including at least 8 hours at the junior-senior level, are required to complete the program

**Industrial Chemistry Concentration**

Program requirements consist of 16 hours as follows

PHYS 130, 131 or 230, 231 Introductory or General Physics, 8 hours
MATH 140 Introductory Calculus, 5 hours
Chemistry electives (3 hours) at the junior-senior level

The concentration requires 24 hours as follows

CMTD 315 Organizational Communication, 3 hours
ENGL 305 Technical Writing, 3 hours
FIN 305 Financial Management, 3 hours
LAW 230 Legal Environment of Business, 3 hours
MGT 300 Introduction to Management, 3 hours
MKT 301 Principles of Marketing, 3 hours
Two of the following four courses
ACCT 251 Accounting Principles I, Financial, 3 hours
ACCT 252 Accounting Principles II, Managerial, 3 hours
ECON 231 Introductory Microeconomics and Social Issues, 3 hours
ECON 232 Introductory Macroeconomics and Social Issues, 3 hours

General electives (17 hours), including at least 1 hour at the junior-senior level, are required to complete the program

**Environmental Chemistry Concentration**

Program requirements consist of 28 hours as follows

PHYS 130, 131 or 230, 231 Introductory or General Physics, 8 hours
BIOL 140, 141 Principles of Biology I, II, 8 hours
GEOL 150 Introduction to Physical Geology, 4 hours
MATH 270 Statistical Methods I, 3 hours
MATH 140 Introductory Calculus, 5 hours
The concentration requires 17 hours as follows
CHEM 330 Aquatic Chemistry (lecture only), 2 hours
CHEM 461 Environmental Chemistry, 4 hours
Electives (11 hours) at the junior-senior level chosen from a minimum of two of the following areas CHEM, BIOL, GEOL, ECON, ENVH, & NRM
General electives (12 hours), including at least 2 hours at the junior-senior level, are required to complete the program

Major in Chemistry-ACS Approved, B S Degree

Program requirements and major requirements are the same as for the Traditional Chemistry Concentration bachelor of science degree. In addition, MATH 256, 4 hours of CHEM 380 and CHEM 421 are required. General electives, 19 hours, including at least 1 hour at the junior-senior level, are required to complete the program.

Major in Science Education (Concentration in Chemistry), B S Ed Degree

Liberal Studies, 42 hours

Program requirements, 8 hours MATH 130, 140
The major requires 48 hours as follows

CHEM 140 Advanced General Chemistry, 4 hours
CHEM 232 Quantitative Analysis, 4 hours
CHEM 241 Organic Chemistry I, 3 hours
CHEM 242 Organic Chemistry II, 3 hours
CHEM 272 Organic Chemistry Lab, 2 hours
CHEM 321 Inorganic Chemistry, 3 hours
BIOL 140 Principles of Biology I, 4 hours
BIOL 141 Principles of Biology II, 4 hours
PHYS 130 or 230 Introductory Physics I or General Physics I, 4 hours
PHYS 131 or 231 Introductory Physics II or General Physics II, 4 hours
GEOL 150 Introduction to Physical Geology, 4 hours
GEOL 155 Historical Geology, 4 hours
Chemistry electives, 5 hours, at the junior-senior level

The professional education sequence (28 hours) for secondary and special subject teaching and 2 hours of general electives are required to complete the program.

Major in Science Education (Concentration in Physics), B S Ed Degree

Liberal Studies, 42 hours

Program requirements, 8 hours MATH 130, 140
The major requires 47 hours as follows

PHYS 130 or 230 Introductory Physics I or General Physics I, 4 hours
PHYS 131 or 231 Introductory Physics II or General Physics II, 4 hours
PHYS 310 Modern Physics, 3 hours
PHYS 360 Laboratory Physics, 2 hours
BIOL 140 Principles of Biology I, 4 hours
BIOL 141 Principles of Biology II, 4 hours
CHEM 140 Advanced General Chemistry, 4 hours
CHEM 232 Quantitative Analysis, 4 hours
GEOL 150 Introduction to Physical Geology, 4 hours
GEOL 155 Historical Geology, 4 hours
Physics electives, 10 hours (2 hours must be at the junior-senior level)

The professional education sequence (28 hours) for secondary and special subject teaching and 3 hours of general electives are required to complete the program

**Minor in Chemistry**

The minor requires 21 hours CHEM 101 and 132 are not valid courses for the minor At least 5 hours must be at the junior-senior level

**Minor in Physics**

The minor requires 20 hours, including PHYS 130, 131 or 230, 231, and 12 hours of junior-senior electives

**DEPARTMENT OF COMMUNICATION AND THEATRE ARTS**

Betty Farmer, head


**Major in Communication, B.S. Degree**

Liberal studies, 42 hours

Program requirements, 6 hours 3 credit statistics course, CIS 304 or ENGL 401

The major requires 46 hours including 28 required hours in communication core courses (CMCR) and a 18-hour concentration

Required Communication Core Courses, 28 hours
CMCR 140 Introduction to Communication Media, 3 hours
CMCR 150 Interpersonal Communication, 3 hours
CMCR 250 Public Communication, 3 hours
CMCR 301 Writing for Communication Media, 3 hours
CMCR 350 Communication Theory, 3 hours
CMCR 351 Communication Research, 3 hours
CMCR 389 Cooperative Education in Communication or
CMCR 483 Internship in Communication, 3 hours
CMCR 401 Editing for Communication Media, 3 hours
CMCR 465 Communication Ethics and Responsibilities, 3 hours
CMCR 496 Seminar in Professional Development, 1 hour

Concentrations, at least 18 hours, selected from

*Electronic Media (CMEM)* CMEM 352, 354, 355, and 356 required, 6 hours selected from CMEM 351, 450, 451, 454, 455, 456, 457, 458, 459, 493 and CMPM 306

*Print Media (CMPM)* CMPM 303, 304, 306, and 404 required, 6 hours from the following CMPM 302, 305, 402, 403, 406, 493, CMTD 315, and CMPR 360, or 3 hours of adviser-approved courses

*Public Relations (CMPR)* CMPR 360, 365, 460, CMPM 303, 404 required, 3 hours selected from CMPR 493, CMTD 315, CMPM 304, 306, 403, or 3 hours of adviser-approved courses
Communication Training and Development (CMTD)  CMTD 315, 316, 412, 413 required, 6 hours selected from CMHC 314, 411, 414, 415, CMTD 493 and CMPM 306

To complete the program, a total of 34 hours is required, including at least 12 hours of general electives and a minor, second major, or other approved programs. Students may not minor in another communication concentration or the minor in journalism offered in the Department of English. At least 32 hours taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.

Major in Speech and Theatre Arts, B.A. Degree
Speech Concentration deleted—See Communication B.S.
Liberal Studies, 42 hours

Program requirements, 6 hours  MFL 231, 232 or 240
The Theatre concentration requires 40 hours as follows
CMTA 130  Makeup, 1 hour
CMTA 131  Introduction to Theatre, 3 hours
CMTA 140  Acting I, 3 hours
CMTA 231  Stagecraft I, 3 hours
CMTA 300  Dramatic Literature and Criticism I, 3 hours
CMTA 301  Dramatic Literature and Criticism II, 3 hours
CMTA 331  Stagecraft II, 3 hours
CMTA 340  Acting II, 3 hours
CMTA 350  Directing I, 3 hours
CMTA 400  History of the Theatre I, 3 hours
CMTA 401  History of the Theatre II, 3 hours
CMTA 496  Seminar in Professional Development, 1 hour
8 hours of CMTA junior-senior electives

To complete the program, a total of 40 hours is required, including a minor, second major, or approved program, and at least 12 hours of general electives. At least 32 hours taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.

Major in Theatre, B.F.A. Degree

Admission to the Bachelor of Fine Arts in Theatre  Entrance into the program will require the following: (1) Sophomore standing and the completion of no more than 90 hours, (2) minimum overall GPA of 2.5, (3) completion of CMTA 131, ENGL 102, a liberal studies course in oral communication, history, and art or music with a grade of "C" or better, and completion of a liberal studies science course and the core mathematics course, and (4) resume documenting involvement and/or training in theatre. Applicants must complete a letter of application and present an audition piece/design portfolio. Complete admissions procedures and retention policies are outlined in the PROCEDURAL GUIDE FOR THE BFA IN THEATRE located in the Department of Communication and Theatre Arts.

Liberal Studies, 42 hours

The major requires 64 hours including 34 required hours in theatre core courses, 15 hours of interdisciplinary core, and a 15-hour concentration

Required courses, 34 hours
CMTA 130  Makeup, 1 hour
CMTA 131  Introduction to Theatre, 3 hours
CMTA 140  Acting I, 3 hours
CMTA 231  Stagecraft I, 3 hours
CMTA 300 Dramatic Literature and Criticism I, 3 hours
CMTA 301 Dramatic Literature and Criticism II, 3 hours
CMTA 331 Stagecraft II, 3 hours
CMTA 340 Acting II, 3 hours
CMTA 350 Directing I, 3 hours
CMTA 400 History of the Theatre I, 3 hours
CMTA 401 History of the Theatre II, 3 hours
CMTA 496 Seminar in Professional Development, 1 hour
CMTA 499 BFA Thesis, 2 hours

An interdisciplinary core of 15 hours 12 hours from ART 136, 137, HIST 221, 222, and 3 hours ENGL 333 or 431

A concentration of 15 hours selected from one area

**Acting** 9 hours from CMTA 341, 345, 346, 351, 441, and 6 hours from ANTH 260, PSY 150, PHIL 310, 312

**Costume Design** CMTA 332, 337, 437, CTM 340, and 3 hours from CTM 242, 342, 343, 344

**Lighting Design** CMTA 332, 335, 435, and 6 hours from ART 131, ET 151, HEAL 250, IDSN 153

**Scenic Design** CMTA 332, 333, 433, and 6 hours from ART 131, ET 151, HEAL 250, IDSN 153

**Technical Production** CMTA 332, 6 hours from CMTA 330, 333, 335, 337, and 6 hours from ART 131, ET 151, HEAL 250

To complete the program, a total of 22 hours of general electives is required. A student will have only one concentration in the BFA degree. At least 32 hours taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.

**Minor in Communication**

The minor requires 21 hours CMCR 140, 150, 250, 301, 350, 401, and 465

**Minor in Dance**

The minor requires 18 hours, including PE 251, DA 258, 259, 301, 302 and 3 hours selected from PE 205, DA 252, 253, 254, 255, 256, or 257

**Minor in Theatre**

The minor requires 24 hours CMTA 131, 140, 231, 300 or 301, 331, 340, 350, 400 or 401

**DEPARTMENT OF ENGLISH**

*For more information, please see department web site* www.wcu.edu/as/english

Bran Ratlsback, head

Major in English, B A Degree

Journalism Concentration

Liberal Studies, 42 hours

Program requirements, 9 hours minimum MFL 231, 232 or 240 and CIS 293

The major requires 39 hours as follows

ENGL 251 Survey of English Literature I, 3 hours
ENGL 252 Survey of English Literature II, 3 hours
ENGL 261 Survey of American Literature I, 3 hours
ENGL 262 Survey of American Literature II, 3 hours
ENGL 307 Professional Editing and Publishing, 3 hours
ENGL 389 Cooperative Education Professional Writing (1 or 3, R15) or ENGL 483 Writing Internship, 3 hours
ENGL 497 Senior Seminar in Writing, 3 hours
CMCR 140 Introduction to Communication Media, 3 hours
CMCR 301 Writing for Communication Media, 3 hours
CMCR 465 Communications Ethics and Responsibilities, 3 hours
CMPM 302 Reporting of Public Affairs, (3, R6)

6 hours selected from
ENGL 306 Nonfiction Writing, 3 hours
ENGL 312 Grammar for Teachers, 3 hours
ENGL 412 Grammar for Writers, 3 hours
CMPM 303 Advertising and Public Relation Writing, 3 hours
CMPM 304 Magazine and Feature Writing, 3 hours
CMPM 305 Sports Writing, 3 hours
CMPM 493 Selected Topics in Print Media, (3, R9)

To complete the program, a total of 38 hours is required, including a minor, second major, or other approved program and general electives. Students must take at least 32 hours at the junior-senior level at WCU in order to satisfy general university degree requirements.

Major in English, B A Degree

Literature Concentration

Liberal Studies, 42 hours

Program requirements, 6 hours minimum MFL 231-232 or 240

The major requires 39 hours as follows
ENGL 231 The Interpretation of Literature, 3 hours
ENGL 251 Survey of English Literature I, 3 hours
ENGL 252 Survey of English Literature II, 3 hours
ENGL 261 Survey of American Literature I, 3 hours or
ENGL 262 Survey of American Literature II, 3 hours
ENGL 498 Senior Seminar in Literature, 3 hours

9 hours selected from
ENGL 420 Chaucer and His Age, 3 hours
ENGL 431 Shakespeare and His Age, 3 hours
ENGL 440 Milton and His Age, 3 hours
ENGL 441 The Age of Pope, Swift, and Johnson, 3 hours
ENGL 450 Major American and British Writers, 9 hours
ENGL 451 Nineteenth-Century British Writers, 3 hours
(Only 3 hours of ENGL 450 may be applied to this category)
3 hours selected from
ENGL 312 Grammar for Teachers, 3 hours
ENGL 411 History of the English Language, 3 hours
ENGL 412 Grammar for Writers, 3 hours
ENGL 415 Linguistics, 3 hours

3 hours selected from
ENGL 365 African-American Writings, 3 hours
ENGL 367 Appalachian Literature, 3 hours
ENGL 464 Native American Literature, 3 hours
ENGL 470 Twentieth-Century Commonwealth Literature, 3 hours
ENGL 477 Literature and Gender, 3 hours

3 hours selected from
ENGL 370 The Short Story, 3 hours
ENGL 390 The Bible as Literature, 3 hours
ENGL 421 Fairy Tale Literature, 3 hours
ENGL 455 The English Novel, 3 hours
ENGL 471 Modern Poetry, 3 hours
ENGL 472 Modern Fiction, 3 hours
ENGL 473 Modern Drama, 3 hours
ENGL 475 The American Novel, 3 hours

And 6 hours of junior-senior English courses

To complete the program, a total of 41 hours is required, including a minor, second major, or other approved program and general electives. Students must take at least 32 hours at the junior-senior level at WCU in order to satisfy general university degree requirements.

**Major in English, B.A. Degree**

**Professional Writing Concentration**

Liberal Studies, 42 hours

Program requirements, 9 hours minimum: MFL 231, 232 or 240 and CIS 293 or CMPM 404

The major requires 39 hours as follows:

ENGL 231 The Interpretation of Literature, 3 hours
ENGL 251 Survey of English Literature I, 3 hours
ENGL 252 Survey of English Literature II, 3 hours
ENGL 303 Introduction to Professional Writing, 3 hours
ENGL 307 Professional Editing and Publishing, 3 hours
ENGL 389 Cooperative Education Professional Writing, 3 hours or ENGL 483 Writing Internship, 3 hours
ENGL 497 Senior Seminar in Writing, 3 hours

12 hours selected from
ENGL 304 Writing for Electronic Environments, 3 hours
ENGL 305 Technical Writing, 3 hours
ENGL 306 Nonfiction Writing, 3 hours
ENGL 308 Fiction Writing, 3 hours
ENGL 309 Poetry Writing, 3 hours
ENGL 310 Screenwriting, 3 hours
ENGL 312 Grammar for Teachers, 3 hours
ENGL 401 Writing for Careers, 3 hours
ENGL 405 Advanced Creative Writing, 3 hours
ENGL 412 Grammar for Writers, 3 hours
ENGL 493 Topics in Creative Writing, 3 hours
And 6 hours selected from junior-senior English literature courses

To complete the program, a total of 38 hours is required, including a minor, second major, or other approved program and general electives. Students must take at least 32 hours at the junior-senior level at WCU in order to satisfy general university degree requirements.

**Major in English, B S Ed Degree**

Liberal Studies, 42 hours

Program requirements, 9 hours MFL 231, 232 or 240 and CMCR 250

The major requires 39 hours as follows
ENGL 231 The Interpretation of Literature, 3 hours
ENGL 251 Survey of English Literature I, 3 hours
ENGL 252 Survey of English Literature II, 3 hours
ENGL 261 Survey of American Literature I, 3 hours
ENGL 262 Survey of American Literature II, 3 hours
ENGL 278 Introduction to Film Studies or 478 Film as Literature, 3 hours
ENGL 312 Grammar for Teachers, 3 hours
ENGL 411 History of the English Language, 3 hours
ENGL 414 Fundamentals of Teaching Composition, 3 hours
ENGL 496 Seminar in Comparative Literature, 3 hours
EDEL 467 Adolescent Literature, 3 hours

Electives (6 hours) selected from 420, 431, 440, 441, 451, 470

The professional education sequence (28 hours) for secondary and special subject teaching and general electives (10 hours) are required to complete the program. Students must take at least 32 hours at the junior-senior level at WCU in order to satisfy general university degree requirements.

Students must maintain a minimum 2.75 GPA in the major, and no grade below a C (2.0) for any required course in the major (applies to the English courses listed above and EDEL 467) will be accepted.

The Department of English offers the Minor in English, which is available to all majors except English.

**Minor in Creative Writing**

The minor requires 18 hours, including 12 hours selected from the following courses: ENGL 303, 308, 309, 310, 405, 493, 497, and 6 hours of literature courses, exclusive of those approved for general education credit. (Not open to those pursuing the B.A. in English with a concentration in Professional Writing)

**Minor in English**

The minor requires 18 hours of English courses, exclusive of ENGL 300 and those approved for general education credit.

The following minors, also administered by the Department of English, are available to all majors, with the exception of some concentrations in English or Communications, as listed below:

**Minor in Film Studies**

The minor requires 18 hours, including ENGL 278 and ENGL 378, and 12 hours selected from the following courses: ENGL 310, 467, 468, 478, CMEM 351, 451, PHIL 309, and REL 309.
Minor in Journalism
The minor requires 18 hours, including 12 hours selected from the following courses CMCR 140, 301, 465, CMPM 302, 303, 304, 305, 493, and 6 hours from the following courses ENGL 303, 306, 307, 312, 389, 483, 497 (Not open to those pursuing the B S in Communications—Print Media or the B A in English with a concentration in journalism)

Minor in Literature
The minor requires 18 hours of literature courses, exclusive of those approved for general education credit (Not open to those pursuing the B A in English with a concentration in literature)

Minor in Professional Writing
The minor requires 18 hours, including 12 hours selected from the following courses ENGL 303, 304, 305, 306, 307, 308, 309, 312, 389, 401, 405, 483, 493, 497, and 6 hours from any English course, exclusive of ENGL 300 and those approved for general education credit (Not open to those pursuing the B A in English with a concentration in professional writing)

GEOSCIENCES AND NATURAL RESOURCES MANAGEMENT
Lawrence G Kolenbrander, head

P Bates, M Lord, A Miller, J Miller, J Neff, V Peterson, R Triplette, G White, R Young, S Yurkovich

Major in Geography, B S Degree
This program is on inactive status and no new students are being enrolled

Major in Geology, B S Degree
Liberal Studies, 42 hours
Program requirements, 18 hours

Solid Earth and Environmental Concentrations MATH 145, 146, and CHEM 140, also, another Chemistry elective (200 or higher level) and Phys 130/230 or Phys 130/131 or 230/231

Interdisciplinary Studies Concentration MATH 130, 170, or MATH 145, 146, and CHEM 132 or 140, a chemistry elective (4 hrs) and another 200 level or higher science elective (4 hrs)

The major consists of a core (30-31 hours) and an area of concentration (24 hours) for a total of 54-55 hours The core courses include

GEOL 140 Investigations in Environmental Geology, 3 hours
GEOL 150 Methods in Geology, 4 hours
GEOL 155 Historical Geology, 4 hours
GEOL 250 Introduction to the Rock Forming Minerals, 2 hours
GEOL 305 Soils and Hydrology or GEOL/GEOG 302, Geomorphology, 4 hours
GEOL 355 Petrology, 2 hours
GEOL 371 Structural Geology, 4 hours
GEOL 422 Sedimentation and Stratigraphy, 4 hours
Capstone course such as a research project, senior thesis, senior research seminar, cooperative education, or internship (in consultation with adviser), 3 or 4 hours
A concentration (24 hours) selected from one of the following areas. Electives must be chosen in consultation with the advisor.

**Solid Earth**
- GEOL 350 Mineralogy II, 2 hours
- GEOL 356 Advanced Petrology, 2 hours
- MATH 153 Calculus I or MATH 170 Applied Statistics, 3 or 4 hours
Electives in geology (200 or higher level), science, or mathematics, 16 to 17 hours

**Environmental**
- GEOL 405 Hydrogeology, 4 hours
- MATH 153 Calculus I or MATH 170 Applied Statistics, 3 or 4 hours
Electives in geology (200 or higher level), sciences, or mathematics, 16 to 17 hours

**Interdisciplinary Studies**
Electives in geology (200 or higher level), sciences, or mathematics, 24 hours

Note: For students planning to pursue graduate work, the following courses are recommended: Math 153 and 255, Phys 131 or 231, and Geology Summer Field course.

General electives, 13-14 hours

At least 32 hours of the courses taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.

**Major in Natural Resources Management, B.S. Degree**

Liberal Studies, 42 hours

Program requirements, 13 hours CHEM 132, MATH 130, 170, MGT 300

The major requires 62 hours, including 41 hours in core courses and a 21-hour concentration.

- BIOL 140 Principles of Biology I, 4 hours
- BIOL 141 Principles of Biology II, 4 hours
- BIOL 304 General Ecology, 3 hours
- GEOG 150 Environmental Geography, 3 hours
- GEOG 305 Soils and Hydrology, 4 hours
- GEOG 324 Introduction to Remote Sensing, 4 hours
- GEOG 402 Conservation of Natural Resources, 3 hours
- NRM 150 Introduction to Natural Resources Management, 1 hour
- NRM 340 Natural Resources Measurements, 4 hours
- NRM 342 Computer Applications in NRM, 1 hour
- NRM 344 Introduction to Geographic Information Systems, 3 hours
- NRM 440 Integrated Resource Management, 4 hours
- NRM 442 Natural Resource Policy and Administration, 3 hours

Concentration, 21 hours, selected from

**Forest Resources** BIOL 254, ECON 310, NRM 351, 352, 451, 452

**Water Resources** BIOL 413, 414, 435, 476, CHEM 133, 330, NRM 460

**Land Use Planning** GEOG 320, 350, 460, 462, 464, and 6 hours at the junior-senior level in economics, management, and geography.
General electives (11 hours) are required to complete the program
At least 32 hours of the courses taken at WCU must be at the junior-senior level to meet one of the general university degree requirements

Major in Science Education (Concentration in Earth Sciences), B.S.Ed. degree

Liberal Studies, 42 hours

Program requirements, 30-32 hours
BIOL 140 Principles of Biology I, 4 hours
BIOL 141 Principles of Biology II, 4 hours
MATH 130 College of Algebra, 3 hours
MATH 140 Introductory Calculus, 5 hours or MATH 170 Applied Statistics, 3 hours
PHYS 130 or 230, Introductory Physics I or General Physics I, 4 hours
PHYS 131 or 231, Introductory Physics II or General Physics II, 4 hours
CHEM 140 Advanced General Chemistry, 4 hours
CHEM 232 Quantitative Analysis, 4 hours

The major requires 24-26 hours as follows
GEOL 150 Methods in Geology, 4 hours
GEOL 155 Historical Geology, 4 hours
GEOL 250 Rock Forming Minerals, 2 hours
GEOL 305 Soils and Hydrology, 4 hours or GEOL 302, Geomorphology, 4 hours
GEOG 300 Weather and Climate, 4 hours
AST 103 Solar System, 3 hours or AST 104 Cosmic Evolution, 3 hours
Geology electives (3-5 hours) at the junior-senior level

The professional education sequence (28 hours) for secondary and special subject teaching and 2 hours of general electives are required to complete the program

Minor in Earth Sciences
The minor requires 18 hours, including GEOL 150, one other freshman-level geology course, GEOL 250, GEOG 150, 300 and 2-3 hours of geoscience electives above the freshman level

Minor in Geology
The minor requires 21 hours, including GEOL 150, one other freshman-level geology course, GEOL 250, and 11-12 hours of geology electives above the freshman level

Minor in Geography
The minor requires 21 hours, including GEOG 150, 350, and 15 hours of electives above the freshmen level

DEPARTMENT OF HISTORY
James A. Lewis, head

W. Anderson, T. Blethen, L. Cruz, D. Dorondo, G. Graham, T. Hatley, J. Kellman, E. McRae, S. Philyaw, G. Schwartz, R. Starnes, V. Szabo, C. Wood

Major in History, B.A. Degree

Liberal Studies, 42 hours
Program requirements, 6 hours MFL 231, 232 or 240
The major requires 39 hours chosen from one of the following concentrations:

**United States History**  
HIST 221, 222, 297, 498, 18 hours of upper-division U.S. history, 9 of which must be selected from HIST 431, 432, 433, 434, 435, 436, 9 hours of upper-division European and non-Western history courses, including a minimum of 3 hours of each.

**European History**  
HIST 231, 232, 297, 498, 18 hours of upper-division European history, 9 of which must be selected from HIST 311, 313, 411, 412, 413, 414, 416, 9 hours of upper-division U.S. and non-Western history, including a minimum of 3 hours of each.

To complete the program, a total of 41 hours is required, including a minor, second major, or other approved program and general electives. At least 32 hours of the courses taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.

**Major in History, B.S. Degree**

Liberal Studies, 42 hours

Program requirements, 3 hours  
MATH 170

The major requires 39 hours chosen from one of the following concentrations:

**United States History**  
HIST 221, 222, 297, 498, 18 hours of upper-division U.S. history, 9 of which must be selected from HIST 431, 432, 433, 434, 435, 436, 9 hours of upper-division European and non-Western history courses, including a minimum of 3 hours of each.

**European History**  
HIST 231, 232, 297, 498, 18 hours of upper-division European history, 9 of which must be selected from HIST 311, 313, 411, 412, 413, 414, 416, 9 hours of upper-division U.S. and non-Western history, including a minimum of 3 hours of each.

To complete the program, a total of 44 hours is required, including a minor, second major, or other approved program and general electives. At least 32 hours of the courses taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.

**Minor in History**

The minor requires 21 hours, including 221, 222 or 231, 232 and 15 hours of junior-senior history electives.

**DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE**

*Kathy Ivey, head*


**Major in Computer Science, B.S. Degree**

Liberal Studies, 42 hours

Program requirements, 22 hours  
MATH 153, MATH 255, MATH 310, MATH 270 or MATH 370, complete the liberal studies science requirement and in addition, complete 8 hours selected from one of the following groups: BIOL 140, 141 or CHEM 140, 232 or GEOL 150, 155 or PHYS 130, 131 or PHYS 230, 231.
The major requires 44 hours. Only grades of C (2.0) or higher in required computer courses will satisfy requirements for the major. The following courses are required:

- CS 150 Problem Solving and Programming I, 4 hours
- CS 151 Problem Solving and Programming II, 4 hours
- CS 250 Introduction to Computer Systems, 3 hours
- CS 260 Logic for Computer Science, 3 hours
- CS 351 Data Structures, 3 hours
- CS 352 Organization of Programming Languages, 3 hours
- CS 360 Theory of Computation, 3 hours
- CS 363 Software Development, 3 hours
- CS 370 Operating Systems, 3 hours
- CS 463 Software Engineering, 3 hours
- CS 465 Computer Networks, 3 hours
- CS 495 Capstone, 3 hours

Six additional hours of courses selected from CS courses numbered above 250 that are not required and MATH 441 and EET 331, 332, 345, 431 (including at least 3 hours from courses at the 400 level)

Twelve additional hours of general electives complete the program of study. At least 32 hours taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.

Major in Mathematics, B.S.Ed Degree

Liberal studies, 42 hours

Program requirements, 3 hours EDEL 466

The major requires 42 hours as follows:

- MATH 153, 255, 256 Calculus I, II, III, 12 hours
- MATH 250 Introduction to Logic and Proof, 2 hours
- MATH 270 Statistical Methods I, 3 hours
- MATH 300 Problem Solving, 2 hours
- MATH 310 Discrete Structures, 3 hours
- MATH 361 Introduction to Abstract Algebra, 3 hours
- MATH 362 Introduction to Linear Algebra, 3 hours
- MATH 400 History of Mathematics, 3 hours
- MATH 411 Foundations in Geometry, 3 hours
- MATH 479 Capstone Seminar, 2 hours
- Math electives (6 hours) selected from 370, 375, 412, 422, 423, 461, 462, 470

To complete the program, 41 hours are required, including the professional education sequence (28 hours) for secondary and special subject teaching. At least 32 hours taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.

Major in Mathematics, B.S. degree

Liberal Studies, 42 hours

All majors in mathematics are strongly encouraged to take a physics sequence to satisfy part of their liberal studies science sequence requirement.
Major requirements

Core, 25 hours
153, 255, 256 Calculus I, II, III, 12 hours
250 Introduction to Logic and Proof, 2 hours
270 Statistical Methods I, 3 hours
310 Discrete Structures, 3 hours
362 Introduction to Linear Algebra, 3 hours
479 Capstone Seminar, 2 hours

Math Electives
361, 461, 462 Algebra/Discrete
331, 422, 423 Analysis
320, 390, 441 Computing/Modeling
370, 375, 470 Statistics

Applied Option:

Required 12 hours  CS 340 and three courses from the math electives with at least one course in the Computing/Modeling category

To complete the program  49 hours are required, including a second major or a minor in one of the following areas of application biology, chemistry, computer science, economics, finance, geology, physics, or a program approved by the mathematics and computer science department head

Traditional Mathematics Option:

Required 18 hours: CS 340, one course from each of the four math electives categories, and one additional course from any of the four math elective categories or other math courses approved by the mathematics and computer science department head

To complete the program: 43 hours are required, including a second major, a minor, or a program approved by the mathematics and computer science department head

Mathematics Education Option:

Required 20 hours: EDEL 466, MATH 300, MATH 400, MATH 411, MATH 361, and two additional courses selected from the math electives or MATH 412

To complete the program: 41 hours are required, including the 28-hour professional education sequence

In all options, at least 32 hours taken at WCU must be at the junior-senior level to meet one of the general university degree requirements

Minor in Computer Science
The minor requires 17 hours, including CS 150, 151, and 9 hours of other CS courses numbered 250 or above
Minor in Mathematics
The minor requires 20 hours, including MATH 153, 255, and 12 hours selected from any mathematics courses numbered 250 or higher and CS 340

Computer Education Endorsement
An endorsement in computer education (18 hours) can be obtained if the individual holds a license in another teaching area. A listing of the course requirements for the endorsement is available in the office of the dean of the College of Education and Allied Professions or from the departmental website at www.cs.wcu.edu

DEPARTMENT OF MODERN FOREIGN LANGUAGES
Mark R. Couture, acting head

Major in French, B.A. Degree
This program is on inactive status and no new students are being enrolled

Major in German, B.A. Degree

Liberal Studies, 42 hours. It is strongly recommended that students who choose to major in foreign language meet part of this requirement by taking a course in a different language.

The German major requires 33 hours including 21 hours of German core courses and a 12-hour concentration

Required German Core Courses, 21 hours:

GER 231 Intermediate German I, 3 hours
GER 232 Intermediate German II, 3 hours
OR
GER 240 Accelerated Second-Year German, 6 hours

GER 301 German for Everyday Use I, 3 hours
GER 302 German for Everyday Use II, 3 hours
GER 304 Introduction to Business German Culture, 3 hours
GER 321 German Civilization I, 3 hours
GER 322 German Civilization II, 3 hours

A concentration of twelve hours selected from

German Language and Culture

6 hours selected from

GER 310 Introduction to German Prose and Poetry, 3 hours
GER 331 Survey of German Literature I, 3 hours
GER 332 Survey of German Literature II, 3 hours
GER 431 Studies in German Literature, 3 hours

6 hours selected from

GER 393 Special Topics in German, PREQ 232 or 240, 1-3 hours
GER 401 Contrastive Features of German and English, 3 hours
GER 451 Advanced German Grammar, 3 hours
GER 452 Advanced German Conversation, 3 hours
German Studies

6 hours selected from

GER 310 Introduction to German Prose and Poetry, 3 hours
GER 331 Survey of German Literature I, 3 hours
GER 332 Survey of German Literature II, 3 hours
GER 393, Special Topics in German, PREQ 232 or 240, 1-3 hours
GER 401 Contrastive Features of German and English, 3 hours
GER 431 Studies in German Literature, 3 hours
GER 451 Advanced German Grammar, 3 hours
GER 452 Advanced German Conversation, 3 hours

Six hours selected from

HIST 221 European History to 1648, 3 hours
HIST 222 European History since 1648, 3 hours
HIST 330 Modern Germany, 3 hours
PHIL 307 Liberty, System, and History in the Age of Revolutions, 3 hours
PSC 315 European Political Systems, 3 hours

To complete the program, a total of 53 hours is required, including a minor, second major, or other approved program and general electives. At least 32 hours of the courses taken at WCU must be at the junior-senior level to meet one of the general university degree requirements. Students must maintain a minimum of 2.75 GPA in the major, and no grade below a C (2.0) for any required course in the major will be accepted.

Major in Spanish, B A Degree

Liberal Studies, 42 hours It is strongly recommended that students who choose to major in a foreign language meet part of this requirement by taking a course in a different language.

The major requires 33 hours as follows

I Intermediate, 6 hours
231-232 Intermediate Spanish I and II or 240 Accelerated Second-Year Spanish

II Language/Culture, 6 hours
301-302 Topics of the Hispanic World I and II

III Civilization and Culture, 6 hours
321 Spanish Civilization, 322 Spanish-American Civilization

IV Literature, 6 hours
Two courses selected from 310 Introduction to Spanish Prose and Poetry, 330 Masterpieces of Spanish Peninsular Literature, 333 Masterpieces of Spanish-American Literature, 431 Studies of Spanish Peninsular Literature, 432 Studies in Spanish-American Literature

V Electives, 9 hours
Choose nine hours from 401 Contrastive Features of Spanish and English, 451 Advanced Spanish Grammar, 452 Advanced Spanish Conversation, 393 Special Topics in Spanish, or Literature courses listed above.

To complete the program, a total of 53 hours is required, including a minor, second major, or other approved program and general electives coursework. At least 32 hours of the courses taken at WCU must be at the junior-senior level to meet one of the general university degree requirements. Students must maintain a minimum of 2.75 GPA in the major, and no grade below a C (2.0) for any required course in the major will be accepted.
Major in French, B.S.Ed. Degree
This program is on inactive status and no new students are being enrolled

Major in German, B.S.Ed. Degree
Liberal Studies, 42 hours  It is strongly recommended that students who choose to major in a foreign language meet part of this requirement by taking a course in a different language
The major requires 33 hours as follows
I  Intermediate, 6 hours
231-232 Intermediate German I and II or 240 Accelerated Second-Year German
II  Language/Culture, 9 hours
301-302 German for Everyday Use I and II, 401 Contrastive Features of German and English
III  Civilization and Culture, 6 hours
321-322 German Civilization I and II
IV  Literature, 6 hours
Two courses selected from 310 Introduction to German Prose and Poetry, 331, 332 Survey of German Literature I and II, 431 Studies in German Literature
V  Electives, 6 hours
Choose six hours from 304 Introduction to German Business Culture, 451 Advanced German Grammar, 452 Advanced German Conversation, 393 Special Topics in German, or literature courses listed above

The professional education sequence (28 hours) for special subject teaching and general electives (22 hours) and EDEL 312 are required to complete the program. At least 32 hours of the courses taken at Western Carolina University must be at the junior-senior level to meet one of the general university degree requirements. Students must maintain a minimum 2.75 GPA in the major, and no grade below a C (2.0) for any required course in the major will be accepted

Major in Spanish, B.S.Ed. Degree
Liberal Studies, 42 hours  It is strongly recommended that students who choose to major in a foreign language meet part of this requirement by taking a course in a different language
The major requires 33 hours as follows
I  Intermediate, 6 hours
231-232 Intermediate Spanish I and II or 240 Accelerated Second-Year Spanish
II  Language/Culture, 9 hours
301-302 Topics of the Hispanic World I and II, 401 Contrastive Features of Spanish and English
III  Civilization and Culture, 6 hours
321 Spanish Civilization, 322 Spanish-American Civilization
IV  Literature, 6 hours
Two courses selected from 310 Introduction to Spanish Prose and Poetry, 330 Masterpieces of Spanish Peninsular Literature, 333 Masterpieces of Spanish-American Literature, 431 Studies of Spanish Peninsular Literature, 432 Studies in Spanish-American Literature
V Electives, 6 hours
Choose six hours from 451 Advanced Spanish Grammar, 452 Advanced Spanish Conversation, 393 Special Topics in Spanish, or literature courses listed above.

The professional education sequence (28 hours) for special subject teaching and general electives (22 hours), and EDEL 312 are required to complete the program. At least 32 hours of the courses taken at WCU must be at the junior-senior level to meet one of the general university degree requirements. Students must maintain a minimum 2.75 GPA in the major, and no grade below a C (2.0) for any required course in the major will be accepted.

Minors in French, German, and Spanish
Each minor requires 21 hours, including 231-232 or 240, 301, 302, and 9 hours of junior-senior electives. 303 does not count toward the minor.

Native Speaker Policy
Native speakers are encouraged to enroll in any of the following courses: FREN/GER/SPAN 321, 322, 330, 331, 332, 333, 351, 393, 451, 481, and all 400-level literature courses. Other courses are normally not open to native speakers except where required in degree programs. The department head may make exceptions on an individual basis.

DEPARTMENT OF MUSIC
Robert Kehrberg, Head

M Bauer, R Buckner, D Cherry, B Frazer, M Gaetano, R Holquist, D Jackson, B Martin, W Martin, A Mattungly, L Pearson, W Peebles, E Spell, S Thompson, P Ulrich, J West

To major in music, students must pass an applied music audition in the performance principal area and take a music aptitude examination.

All music majors must demonstrate the required level of piano proficiency for graduation in their chosen curriculum or elect piano every semester until the required proficiency is attained. Each student must prepare a junior qualifying examination or recital in the principal applied area for approval by the appropriate faculty committee before a degree will be granted. All students on the B.S.Ed degree plan must prepare a senior performance examination or recital in the principal applied area for approval by the appropriate faculty committee.

Major in Music

Liberal Studies, 42 hours

The major requires 39 hours as follows:
MUS 107 Applied Music, 4 hours
MUS 148 and 149 Piano Class I, II, 2 hours (applied electives for piano majors)
MUS 171 and/or 172 and 173, 4 hours
MUS 207 Applied Music, 4 hours
MUS 208 Aural Skills II, 1 hour
MUS 218 Music Theory II, 3 hours
MUS 248 and 249, Piano Class III, IV, 2 hours (applied electives for piano majors)
MUS 308 and 309 Aural Skills III, IV, 2 hours
MUS 318 and 319, Music Theory III, IV, 6 hours
MUS 358 Performance Laboratory, 6 hours (0 credit class)
MUS 371 and/or 372 or 373, 2 hours
MUS 418 and 419, Music History I, II, 6 hours
MUS 428 or 429, Choral or Instrumental Conducting, 3 hours
Winds and percussion majors must include a minimum of 1 hour in marching band, MUS 173 or 373 (B.A. only).
You must select one of the following degrees and concentrations or options to complete the program

**B.A. in Music**

Program Requirements, 6 hours MFL 231-232 or 240

To complete the program, 41 hours, including a minimum of 21 hours at the junior-senior level are required. One of the following options or concentrations must be completed:
- **Music Industry Option** ACCT 161, MKT 301, CIS 251, BA 133, LAW 230, MGT 300, MUS 378, 9 hours MUS 489, 11 hours electives
- **Minor, second major, or approved program, 41 hours**

**B.S.Ed. in General and Instrumental Music**

Program requirements, 9 hours MUS 168 String Class, MUS 169 Classroom Guitar Techniques, MUS 283 Music Technology Class, 4 hrs of MUS 307 Applied Music, MUS 470 Orchestration

Concentration selected from the following, 9 hours
- **General Music** 258, 259, 279, 327, 2 hours from 407
- **Instrumental Music** 158, 270, 271, 272, 273, 274, 326

If piano is the principal instrument, 3 hours in one secondary applied wind instrument or percussion is required. In lieu of piano class, band will be considered the major ensemble for keyboard principals. (winds and percussion must include a minimum of 2 hours in marching band, 173 or 373)

*The professional education sequence (25 hours) for secondary and special teaching, excluding EDSE (methods), plus MUS 325 and 1 hour of electives are required to complete the program*

**B.M. Bachelor of Music**

Program requirements, 18 hours 6 hours in MFL must be in one language, 4 hours of either MUS 175 and/or MUS 370, MUS 182, MUS 283, MUS 378, and MUS 470

Concentration Commercial and Electronic Music, 26 hours

MUS 320 Materials in Popular Music and Jazz, 3 hours
MUS 379 Introduction to Recording Arts, 3 hours
MUS 383 Music in Media or
- MUS 480 Ind Studies in Jazz Improvisation, 3 hours

MUS 479 Digital Audio Recording and Editing, 3 hours or
- MUS 426 Jazz Arranging and Composing, 3 hours
MUS 474 Entrepreneurship in Music, Senior Project, 3 hours

Must complete 11 hours selected from MUS 107, 207, 307, 407 Applied MIDI/ Synthesis—audition required, MUS 181, MUS 468, MUS 469, MUS 483, MUS 484, MUS 489

To complete the program, 3 hours in general university electives are required
Concentration Performance 26 hours

MUS 305 Junior Recital, 1 hour
MUS 307 Applied, 4 hours
MUS 370 Ensemble 2 hours
2 hours selected from 371, 372, or 373
MUS 405 Senior Recital, 1 hour
MUS 407 Applied, 4 hours
6 Hours selected from MUS 480 must include one hour in each pedagogy, literature and improvisation, voice majors must include MUS 258 and MUS 259
6 Hours selected from MUS 303, 420 or 425

To complete the program, 3 hours of general university electives are required

Minor in Music

Audition and permission of the department head are required to enroll in the minor. The minor requires 22 hours, including 108, 118, 208, 218, 308, 318, 3 semesters of 358 (0 credit), 2 hours of 106, 2 hours of 206, 4 hours in a major ensemble, and 2 hours of music electives

ASSOCIATED AREA OF PHILOSOPHY AND RELIGION

Daryl L. Hale, coordinator
J. McLachlan, N. Scott

Major in Philosophy, B.A. Degree

Liberal Studies, 42 hours

Program requirements, 6 hours MFL 231-232 or 240

The major requires 30 hours. Only grades of C (2.0) or higher in philosophy courses will satisfy requirements for the major.

The following courses are required

I Humanities Cornerstones — 2 courses
   102 Western Moral Traditions, 3 hours
   230 Legal, Scientific, and Critical Reasoning, 3 hours

II Systematic Historical Pillars — 3 courses
   *304 Justice, Power, and Human Nature in the Ancient Greek Polis, 3 hours
   305 God, Reason, and the Good in the Medieval World, 3 hours
   *306 Science, Reason, and Autonomy in the Enlightenment, 3 hours
   307 Liberty, System, and History in the Age of Revolutions or 308 Alienation, Technology, and Meaning in the Postmodern Age, 3 hours

III Underpinnings of Academic Disciplines — 2 courses
   Electives selected from 310, 311, 312, 313

IV Architects of Philosophical Traditions — 2 courses
   Electives selected from 330, 333, 341, and 393 (Topics in Philosophy)

V Keystone Seminar — 1 course
   493 Seminar in Philosophy, 3 hours

*Required courses in the historical sequence series

Philosophy electives at the junior-senior level, 15 hours

To complete the program, a total of 50 hours is required, including a minor, second major, or other approved program, and at least 12 hours of general electives. At least 32 hours of
the courses taken at WCU must be at the junior-senior level to meet one of the general university degree requirements

**Minor in Philosophy**

The minor requires 18 hours, including 102, 230, and 12 hours of electives selected from junior-senior philosophy/religion courses, or PSC 345 and 346

**DEPARTMENT OF POLITICAL SCIENCE AND PUBLIC AFFAIRS**

*Niall Michelsen, head*

*Gibbs Knotts, director of MPA*

*B Carroll, R Collings, C Cooper, C D Livingston, G Mercer*

**Major in Political Science, B A. Degree**

Liberal Studies, 42 hours

Program requirements, 6 hours  MFL 231-232 or 240

The major requires 33 hours as follows  Core (15 hours), Concentration (9), Electives (9)

Core  15 hours-one course from each category

PSC 231 American Government and Politics, 3 hours

PSC 302 or 303 Problems and Policies of American Government or State and Local Government, 3 hours

PSC 315, 316, or 318 European Political Systems, Politics of Developing Areas, or Soviet Political Systems, 3 hours

PSC 331 or 332 International Politics or International Organization, 3 hours (331 is required for the concentration in international relations)

PSC 346 Modern Political Thought, 3 hours

Junior-senior electives, 9 hours (no more than 6 hours can be applied to cooperative education or internship)

Concentration (9 hours) selected from

*American Political Institutions*  305, 306, 336, 407, 494, or

*International Relations*  332, 333, 334, 335, or

*Public Administration*  304, 6 hours selected from 307, 309, and 421, or

*General Political Science*  Electives at the junior-senior level

To complete the program, a total of 47 hours is required, including a minor, second major, or other approved program  At least 32 hours taken at WCU must be at the junior-senior level to meet one of the general university requirements

**Major in Political Science, B S Degree**

All of the requirements for the degree are the same as those listed for the bachelor of arts program except that MATH 170 (3 hours) is required, a foreign language is not required, and electives are increased by 3 hours

**Minor in Political Science**

The minor requires 21 hours in political science, including 231, 315, and 15 hours of junior-senior electives
SOCIAL SCIENCE PROGRAMS

Elizabeth Gillespie McRae, coordinator

Major in Social Sciences, B A Degree

Liberal Studies, 42 hours

Program requirements, 6 hours MFL 231-232 or 240

The major requires 39 hours as follows
HIST 221, 222 European History, 6 hours
Two of the following four groups
ECON 231-232, GEOG 150-350, PSC 231-315, SOC 231-ANTH 260
Advanced electives (21 hours) including at least 6 hours in each of three areas American history, anthropology, economics, foreign history, geography, political science, sociology

To complete the program, a total of 41 hours is required, including a minor, second major, or other approved program. At least 32 hours of the courses taken at WCU must be at the junior-senior level to meet one of the general university degree requirements

Major in Social Sciences, B S Degree

All of the requirements for the degree are the same as those listed for the bachelor of arts program except that MATH 170 (3 hours) is required, a foreign language is not required, and electives are increased by 3 hours

Major in Social Sciences, B S Ed Degree

Liberal Studies, 42 hours

Program requirements, 9 hours 6 hours in a foreign language exclusive of courses taken to meet liberal studies requirements, CMCR 250

The major requires 48 hours as follows
GEOG 350 Economic Geography or GEOG 444 Political Geography, 3 hours
ANTH 260 Cultural and Social Anthropology or SOC 231 Principles of Sociology, 3 hours
HIST 221, 222 European History, 6 hours
HIST 231 American History to 1865, 3 hours
HIST 232 American History Since 1865, 3 hours
PSC 231 American Government and Politics, 3 hours
ECON 130 Survey of Economics, 3 hours
Advanced electives (24 hours) in two social sciences selected so that 12-18 hours are taken in one discipline and 6-12 hours in another. A minimum of 3 hours of upper division electives must focus on non-Western culture (Asia, Africa, Latin America, or the Middle East)

The professional education sequence (28 hours) for secondary and special subject teaching and general electives (1 hour) are required to complete the program

Students must maintain a minimum 2.75 GPA in the major, and no grade below a C (2.0) for any required course in the major will be accepted

DEPARTMENT OF SOCIAL WORK

Terry L. Gibson, head
J. Dickinson, J. Dulworth, M. Huff

The social work program is accredited by the Council on Social Work Education, and its principal educational goal is to prepare students for beginning generalist social work practice
Major in Social Work, BS Degree

Liberal Studies, 42 hours

Program requirements, 9 hours  ENGL 401, PSC 231, PSY 150

The major requires 51 hours  Only grades of C (2.0) or higher in required and elective social work courses and C- (1.67) in program requirements will satisfy requirements for the major.

The following courses are required:

- SOCW 151  Introduction to Social Work, 3 hours
- SOCW 251  Social Welfare Policy and Programs, 3 hours
- SOCW 253  Foundations of Social Work, 3 hours
- SOCW 334  Human Behavior and the Social Environment I, 3 hours
- SOCW 335  Social Work Research and Evaluation, 3 hours
- SOCW 354  Human Behavior and the Social Environment II, 3 hours
- SOCW 362  Direct Practice Individuals and Families, 3 hours
- SOCW 364  Community Practice, 3 hours
- SOCW 486  Field Practicum, 12 hours
- SOCW 496  Field Practicum Seminar, 3 hours

12 hours of junior-senior level social work/sociology electives, 12 hours chosen from social work courses, or 9 hours chosen from social work courses and 3 hours chosen from sociology or social work courses

General electives (26 hours) are required to complete the program.

Declaration of a major in social work does not guarantee admission to the program. Students are eligible to apply for admission when they have attained an overall 2.25 GPA, have completed 35 credit hours, and in addition, have completed SOCW 151, SOCW 251, and SOCW 253 (or be enrolled in SOCW 251 and SOCW 253). Students must apply for admission when they have completed 18 hours of social work courses. Students must maintain an overall 2.25 GPA each semester after admission in order to remain in the program. See the Department of Social Work's "Admission and Termination Policies" for detailed information.

Minor in Social Work

The minor requires 18 hours, including SOCW 151, 251, 253, 334, 354 and 3 hours of approved electives.
COLLEGE OF BUSINESS

N Leroy Kauffman, interim dean
Debasish Baneree, associate dean

Vision The College of Business will enhance its regional reputation for distinctive competencies in management education for the information age.

Mission The College of Business mission is to facilitate student learning for a global business environment through teaching, our primary responsibility. Our curricula, which include a focused set of undergraduate degrees and graduate professional programs, provide students with technological expertise, discipline-based knowledge, and career-enhancing skills.

We engage primarily in applied and instructional development research, and we provide service to our campus, professional, and regional constituencies.

A set of shared values and the guiding principles of pursuing excellence with a personal touch govern our actions.

Programs of study include Bachelor of Science in Business Administration, Bachelor of Science in International Business, Master of Accountancy, Master of Business Administration, and Master of Project Management. The Master of Business Administration is offered in Cullowhee and Asheville, the Master of Accountancy is offered in Asheville, and the Master of Project Management is Web-based, available internationally.

Admission to BSBA programs Acceptance and registration in business administration courses or the declaration of intent to complete a business major do not guarantee admission to the Bachelor of Science in Business Administration programs. A student is not officially in the college until admitted as a candidate for the degree in a major program.

A student may be admitted to degree programs other than accounting after completing a minimum of 30 hours at Western Carolina University with a 2.0 GPA on hours attempted. Applicants transferring directly from another accredited institution must have a 2.0 GPA on all work attempted at the previous institution. Transfer students who complete courses at the university before applying for admission to the College of Business must have a 2.0 GPA on hours attempted. If less than 30 hours have been attempted at Western, a 2.0 GPA on hours attempted both at Western and at the other institution is required. For admissions requirements to the accounting program, see the Department of Accountancy, Finance, and Entrepreneurship on the next page.

Consistent with the policy on transfer of course work, at least 30 semester hours of courses must be taken in the College of Business at Western Carolina University toward the BSBA or BS degrees.

Application for graduation may be filed with the dean upon completion of 80 hours and must be filed no later than one month before the final semester of enrollment.

The Bachelor of Science in Business Administration degree This degree program requires the following:

<table>
<thead>
<tr>
<th>Liberal Studies</th>
<th>42 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundation of Knowledge for Business</td>
<td>45 hours</td>
</tr>
<tr>
<td>Major program of study in business</td>
<td>21 hours</td>
</tr>
<tr>
<td>Elective courses</td>
<td>12 hours</td>
</tr>
<tr>
<td>Minimum requirements for BSBA Degree</td>
<td>120 hours</td>
</tr>
</tbody>
</table>

A minimum GPA of 2.0 is required in the major for graduation. The major comprises 45 hours in foundation of knowledge and 21 hours in the major program of study for a total of 66 hours.
Foundation of Knowledge for Business courses are

- ACCT 251, 252 Accounting Principles I, II, 6 hours
- CIS 251 Management Information Systems, 3 hours
- CIS 304 Business Communications, 3 hours
- ECON 231, 232 Microeconomics and Macroeconomics, 6 hours
- FIN 305 Financial Management, 3 hours
- LAW 230 Legal Environment of Business, 3 hours
- MATH 135 Statistics, Functions, and Rates of Change, 3 hours
- MGT 235 Statistics, 3 hours
- MGT 300 Introduction to Management, 3 hours
- MGT 305 Quantitative Business Analysis, 3 hours
- MGT 306 Behavioral Science in Organizations, 3 hours
- MGT 404 Strategic Management, 3 hours
- MKT 301 Principles of Marketing, 3 hours

At least 51 hours must be taken in course work outside the College of Business. Courses taken within the College of Business to fulfill liberal studies requirements may be counted as meeting this requirement.

Appropriate prerequisites must be completed and at least 56 hours are required for enrollment in all courses numbered 300 or above in the College of Business.

The B.S. degree program in international business will remain at 125 hours because of multiple college instructional agreements.

Students with majors outside the College of Business are prohibited from taking in excess of 25 percent of the hours required for their degree from College of Business courses.

Second Major in Business Administration. The requirements for a second major in business administration are identical with the Foundation of Knowledge for Business courses previously identified. Substitutions may be made only with the approval of the dean of the College of Business.

DEPARTMENT OF ACCOUNTANCY, FINANCE, AND ENTREPRENEURSHIP

Philip L. Little, head


Major in Accounting, B.S. B.A. Degree

A student may be admitted to the B.S.B.A. degree program with a major in accounting after completing a minimum of 30 hours at Western Carolina University with a 2.2 GPA on hours attempted. Applicants transferring directly from another accredited institution must have a 2.2 GPA on all work attempted at the previous institution. Transfer students who complete courses at the university before applying for admission to the accounting program must have a 2.2 GPA on hours attempted. If less than 30 hours have been attempted at Western, a 2.2 GPA on hours attempted both at Western and at other institutions is required.

Liberal Studies, 42 hours

Foundation of Knowledge for Business, 45 hours

The following 21 hours in the major:

- 275, 352 Intermediate Accounting I, II, 6 hours
- 355 Income Tax I, 3 hours
- 356 Cost Accounting, 3 hours
Electives (choose any 3) 301, Financial Statement Analysis, 361, Not-for-Profit Accounting, 365, Accounting Information Systems, 454, Auditing I, 467, Controllership

General electives 12 hours

**Major in Entrepreneurship, B S B A degree**

Liberal studies, 42 hours

Foundation of Knowledge for Business, 45 hours

The following 21 hours in the major
ENT 250 Innovation and Creativity, 3 hours, or ENT 301 Innovation in Business, 3 hours
ENT 325 New Venture Creation, 3 hours
ENT 350 New Venture Growth, 3 hours
ENT 475 Entrepreneurship, 3 hours
Electives, 9 hours, selected with the approval of the advisor

General electives, 12 hours

**Major in Finance, B S B A Degree**

Liberal Studies, 42 hours

Foundation of Knowledge for Business, 45 hours

The following 21 hours in one of the two following concentrations

*Corporate Finance* FIN 335, 405, 495, ACCT 301, 9 hours of electives selected from FIN 406, 407, 409, 483, 484, 485, ACCT 275, 352, 356

*Financial Planning* FIN 310, 335, 406, 410, 496, ACCT 355, 3 hours of electives selected from ACCT 301, FIN 389 or 483, MKT 306 or MKT 310, FIN 302, COUN 430

General electives, 12 hours

**Minor in Entrepreneurship**
The minor, open to nonbusiness majors only, requires 18 hours, including ENT 250 or ENT 301, ENT 325, ENT 350, ENT 475, and 6 hours of electives, selected with the approval of the adviser

**DEPARTMENT OF BUSINESS COMPUTER INFORMATION SYSTEMS AND ECONOMICS**

*Dan Clapper, head*

*D Banerjee, L Heinrichs, G Jones, T Kim, J McCreary, R Mulligan, J Murphy, R Noel, W Perry, J Ullmer, G Williams*

**Major in Computer Information Systems, B S B A. Degree**

Liberal Studies, 42 hours

Foundation of Knowledge for Business, 45 hours

The following 21 hours in the major
CIS 235 Foundations of Information Technology, 3 hours
CIS 240 Business Applications Development I, 3 hours
CIS 335 Enterprise Technology Management, 3 hours
CIS 340 Business Applications Development II, 3 hours
CIS 453 Data Base Management Systems, 3 hours
CIS 455 Computer Information Systems Analysis and Design, 3 hours
CIS 465 Applications Development III, 3 hours

General electives, 12 hours

Minor in Computer Information Systems
The minor, which is open only to non-business majors, requires 18 hours including CIS 251, 235, 240, 453, and two courses (6 hours) selected from CIS 335, 340, 440, 455, and 465. All course prerequisites must be followed.

Minor in Economics
The minor, which is open only to non-business majors, requires 18 hours including 231, 232, 303, MGT 235, and 6 hours of economics electives at the junior-senior level.

DEPARTMENT OF MANAGEMENT AND INTERNATIONAL BUSINESS
Jerry Kinard, head
J Adams, J Dorle, R Higgs, S Jarrell, W Kane, T Kinnear, B Little, G Mechling, H Moss, M Nixon, S Owens, M Quinn, M Schreiber, M Smith, M Thomas

Major in Management, B S B A Degree
Liberal Studies, 42 hours
Foundation of Knowledge for Business, 45 hours
The following 21 hours in the major
304 Human Resource Management, 3 hours
401 Small Business Management, 3 hours
402 Production and Operations Management, 3 hours
495 Seminar in Management, 3 hours
Electives (9 hours) selected from 302, 400, 405, 407, IBUS 301, 309, and 401

General electives, 12 hours

Minor in Management
The minor, open to non-business majors only, requires 18 hours including MGT 300, 304, 306, and 9 hours of approved management electives.

Major in International Business, B S Degree (125 hours)
Liberal Studies, 42 hours
Foundations of Knowledge for Business, 45 hours
One year (6 hours) of modern foreign language from FREN, GER, or SPAN 231, 232, or 240
The following 21 hours in the major
IBUS 301 International Management, 3 hours
IBUS 309 International Trade, 3 hours
IBUS 401 Information and Materials Exchange in International Business, 3 hours
PSC 331 International Politics, 3 hours
Electives (9 hours) selected from at least two disciplines listed below.
ANTH 327 Economy and Society, 3 hours
ECON 406 International Economic Development, 3 hours
FIN 407 International Finance, 3 hours
GEOG 350 Economic Geography, 3 hours
GEOG 440 Topics in Regional Geography, 3 hours
GEOG 444 Political Geography, 3 hours
HIST 317 History of 20th-Century International Relations, 3 hours
HIST 416 Europe in the 20th-Century, 3 hours
IBUS 480 Independent Study, 3 hours
IBUS 483 Internship in International Business, 3 hours
IBUS 488 Study Abroad, 3 hours
IBUS 493 Topics in International Business, 3 hours
LAW 320 Multinational Corporate Law, 3 hours
MFL 321 or 322, French, German, or Spanish Civilization, 3 hours
MKT 407 International Marketing, 3 hours
PSC 315 European Political Systems, 3 hours
PSC 316 Politics of Developing Areas, 3 hours
PSC 332 International Organization, 3 hours
PSC 333 International Law, 3 hours
PSC 335 Problems in World Politics, 3 hours
PSC 436 Dynamics of World Order, 3 hours
SOC 434 Regional and Societal Development, 3 hours

General electives (11 hours) chosen such that at least 63 hours, including ECON 231, 232, MATH 135 and MGT 235, are from outside the College of Business.

The minimum in-major GPA requirement applies to the 66 hours which includes the Foundation of Knowledge for Business and major.

Minor in International Business

The minor, open only to non-business majors, requires 24 hours including ECON 231, 232, MGT 300, IBUS 301, 309, 401, PSC 331 and 3 hours of Modern Foreign Language at the intermediate level (FREN, GER, SPAN 231, 232, or 240).

DEPARTMENT OF MARKETING AND BUSINESS LAW

Debra Burke, head

M Abel, B Berger, J Busbin, J DeConinck, B J Dunlap, S Henson, J Hopper, J Johnson, M Leonard, L Wilson

Major in Marketing, B S B A Degree

Liberal Studies, 42 hours
Foundation of Knowledge for Business, 45 hours

The following 21 hours in the major
MKT 302 Integrated Marketing Communications Strategy or MKT 306 Introduction to Professional Selling, 3 hours
MKT 303, Market Research or MKT 304, Consumer Behavior, 3 hours
MKT 405, Business and Organizational Marketing Strategy or MKT 409 Negotiation/Relationship Marketing, 3 hours
MKT 475 Marketing Strategy, 3 hours
Marketing electives (9 hours) selected from other junior-senior level marketing courses

General electives, 12 hours

*Minor in Marketing

The minor, which is open to non-business majors only, requires 18 hours including MKT 301, MKT 475 and 12 hours of electives selected from other junior-senior level marketing courses. Depending on the electives selected, course prerequisites may add additional hours. Please check the catalog description for specific requirements.

NOTE: A student majoring or minoring in marketing cannot pass a course with a grade below C-minus and still have that course count toward satisfying the marketing major requirement. Students may select various interest areas, e.g., sales, retailing, general marketing, by carefully choosing their electives in consultation with their academic adviser.

Major in Business Administration and Law, B.S.B.A. Degree

Liberal Studies, 42 hours

Foundation of Knowledge for Business, 45 hours

The following 21 hours in the major:
- LAW 275 Business Associations, 3 hours
- LAW 331 Contracts and Sales, 3 hours
- LAW 415 Legal Aspects of Business Management, 3 hours

Electives (12 hours) selected from the following:
- LAW 302, 303, 306, 315, 320, 393, 402, 406, 410, 412, 440, 480, 483 or 484 or 485

General electives, 12 hours

Minor in Business Law

The minor, open to nonbusiness majors only, requires 18 hours, including LAW 230, and 15 hours from the following: LAW 275, 302, 303, 315, 320, 331, 402, 403, 410, 412, 415, or 440.
The College of Education and Allied Professions seeks to prepare professional personnel for the schools and colleges of the state and region and for other educational and service agencies. It coordinates all teacher education curricula at the university and provides services to individuals, schools, and regional educational and professional agencies. It undertakes continuous evaluation to assure curricula and professional services of high quality and coordinates the screening, selection, and counseling of students pursuing programs of study in the school.

The Bachelor of Science and Bachelor of Science in Education degrees are awarded upon completion of the undergraduate programs offered in the college. The Bachelor of Science degree is awarded in psychology, sport management, recreational therapy, and parks and recreation management. The Bachelor of Science in Education degree is normally awarded to those completing a teacher education program. Students may pursue programs leading to the Bachelor of Arts or Bachelor of Science degrees simultaneously with a program in teacher education but must fulfill all requirements of an approved teacher education program. An endorsement in computer education (18 hours) can be obtained if the individual holds a license in another teaching area.

The Teacher Education Program Admission and retention policies in teacher education programs are based on the standards and guidelines of the State of North Carolina and the National Council for Accreditation of Teacher Education (NCATE). Approved institutions must have established procedures for implementing decisions regarding admission to and retention in teacher education programs. The state and NCATE guidelines require continuous evaluation of students admitted to teacher education programs and states that those found unlikely to succeed as teachers should be withdrawn.

Conceptual Framework for the Professional Education Program The professional education program at Western Carolina University fulfills its mission by creating and nourishing a community of learners guided by knowledge, values, and experiences. The guiding principles of this community include the belief that the best educational decisions are made after adequate reflection and with careful consideration of the interests, experiences, and welfare of the persons affected by the decisions, appreciation of and respect for diversity, and the fostering of the responsible use of technology.

Disciplinary Focus Area A disciplinary focus area is a twenty-four hour course of study in an academic discipline required of education students enrolled in a B.S.Ed. program in elementary, middle grades, physical education, or special education. The disciplinary focus areas available are anthropology, art, biology, communication training and development, economics, English, French, geography, geology, German, health promotion and wellness, history, mathematics, natural science, philosophy, physics, political science, psychology, sociology, Spanish, and theatre. A disciplinary focus area declaration form must be completed and filed in the dean’s office.

DISCIPLINARY FOCUS AREAS (24 HOURS MUST BE COMPLETED FOR EACH AREA)

Please select one of the following

1. ANTHROPOLOGY (Total hours 24)
   - Required courses: ANTH 250, 260
   - Additional courses: Select 18 additional hours from upper level anthropology courses.
2 ART (Total hours 24)
   Required courses  ART 131, 132, 136, 137, 142
   Additional courses Select 9 studio hours (courses from no more than two studio areas) in art

3 BIOLOGY (Total hours 24)
   Required courses  BIOL 140, 141, 304, 305, CHEM 132, 133
   Additional courses Select 2 hours from BIOL 104, 291, 292, 311, 315, 493, or any other 300- or 400-level biology course for which the student has the prerequisites and permission of the instructor

4 COMMUNICATION TRAINING AND DEVELOPMENT (Total hours 24)
   Required courses  CMCR 140, 150, 250
   Additional courses Select 15 hours from CMHC 314, 411, 414, 415, CMTD 315, 316, 412, 413, 493, CMCR 350, 465

5 ECONOMICS (Total hours 24)
   Required courses  ECON 231, 232, 235, MGT 300, FIN 305
   Additional courses Select 3 upper-level economics courses to total 9 hours

6 ENGLISH (Total hours 24)
   Required courses  ENGL 231, ENGL 251, either ENGL 261 or 262, ENGL 312, ENGL 414, ENGL 416
   Additional courses Select 6 hours from ENGL 261 or 262 (whichever not taken above), ENGL 252, 365, 367, 421, 464, 475, either 278 or 478, 496

7 FRENCH (Total hours 24)
   Required courses  FREN 102 or equivalent, FREN 231 & 232 or FREN 240, or equivalent, FREN 301 and 302
   Additional courses Select 9 additional hours from upper-level French courses

8 GEOGRAPHY (Total hours 24)
   Required courses  GEOG 150, 350
   Additional courses Select 6 hours from regional topics courses numbered GEOG 440, twelve hours from GEOG 300, 302, 400, 402, 441, 444, 462

9 GEOLOGY (Total hours 24)
   Required courses  GEOL 150, and one other freshman-level geology course
   Additional courses Select 17 hours from any 200-level or higher geology course

10 GERMAN (Total hours 24)
    Required courses  GER 102 or equivalent, GER 231 & 232 or GER 240, or equivalent, GER 301 and 302
    Additional courses Select 9 additional hours from upper level German courses

11 HEALTH PROMOTION AND WELLNESS (Total hours 24)
    Required courses  HEAL 305, 312, HSCC 260, ND 330, and PSY 150
    Additional courses Select 9 hours from SM 213, 313, PSY 441, BIOL 313, and HSCC 231

12 HISTORY (Total hours 24)
    Required courses  HIST 221, 222, 231, 232
    Additional courses Select 12 hours of junior-senior level history courses

13 MATHEMATICS (Total hours 24)
    Required courses  MATH 145, 146, 170, 230, 231, 311, and MATH 140 or 153
    Additional courses Select 1 course from MATH 255, 270, CS 130, 141
14  NATURAL SCIENCE (Total hours 24)  
Required courses  BIOL 140, GEOL 150, PHYS 130, CHEM 132  
Additional courses  Select 8 hours from two of the following courses  AST 101, BIOL 141, GEOL 155, PHYS 131, CHEM 133 or CHEM 140, GEOL 160  

15  PHILOSOPHY (Total hours 24)  
Required courses  PHIL 102, 230, 304, 306, 307, or 308  
Additional courses  Select 9 hours of philosophy or religion courses at the junior-senior level  

16  POLITICAL SCIENCE (Total hours 24)  
Required courses  PSC 231  
Additional courses  Select 12 hours from PSC 302, 303, 316, 318, 331, 332, 9 hours from PSC 304, 305, 306, 310, 319, 333, 334, 335, 336, 407, 421  

17  PHYSICS (Total hours 24)  
Required courses  PHYS 130, 131, 150, AST 101, MATH 140 (Lab is required for PHYS 130, 131, and AST 101)  
Additional courses  Select 6 hours from any 300-level or higher physics course  

18  PSYCHOLOGY (Total hours 24)  
Required courses  PSY 150, 251 (or equivalent), 252 (or equivalent)  
Additional courses  Select 3 hours from PSY 310, 313, 331, 333, 360, 3 hours from PSY 440, 444, 448, 455, 3 hours from PSY 363, 430, 441, 470, 474, 6 hours of psychology electives (excluding PSY 320 and PSY 321)  
NOTE  PSY 252 is offered on TR during one semester and on MW during the next semester  PSY 363 is offered infrequently  PSY 455 is offered only one time each year  Students are encouraged to take PSY 389, 480 and/or 482-485 as psychology electives  

19  SOCIAL SCIENCES (Total hours 24)  
Available only to Middle Grade majors  Select 6 hours in each of the following four categories  One of the choices must be a geography course  Recommended courses are marked with an asterisk *  
I  HIST 222 and one of the following  HIST 327*, PSC 315*, PSC 318*, HIST 311, 313, 317, 322, 323, 330, 412, 413, 414, 416, 425, 493 (if European topic), PSC 345, 346, GEOG 440 (if European topic)  
II  Two of the following  HIST 107*, HIST 371*, PSC 317*, ANTH 477*, HIST 411, 493 (if Asian or African topic), PSC 316, 331, 332, 333, 335, 436, 493 (If Asian or African topic), SOC 434, GEOG 440 (if Asian or African topic)  
III  HIST 341 and one of the following  HIST 443*, HIST 446*, PSC 408*, HIST 431, 432, 433, 434, 435, 436, 442, 445, 451, 454, GEOG 440 (if North Carolina topic), PSC 347  
IV  One of the following  PSC 231*, PSC 302, 303, 305, 306, 310, 336, 347, 351, 407, 494 One of the following  GEOG 350*, ECON 130, 231, 232, 401  

20  SOCIOLOGY (Total hours 24)  
Required courses  SOC 231, 385  
Additional courses  Select 18 hours from any 200-level and above sociology course  

21  SPANISH (Total hours 24)  
Required courses  SPAN 102 or equivalent, SPAN 231 & 232 or SPAN 240, or equivalent, SPAN 301 and 302  
Additional courses  Select 9 additional hours from upper level Spanish courses  

22  THEATRE (Total hours 24)  
Required courses  CMTA 131, 140, 231, 300 or 301, 331, 340, 350, 400 or 401
Admission to the Teacher Education Program

Acceptance and registration in a department do not guarantee admission to the teacher education program in that department. A student is not officially in a teacher education program until approved by the student's major department and by the Teacher Education Council. The applicant's fitness for teaching in the chosen area is determined on the basis of demonstrated academic ability and other personal characteristics conducive to effective teaching. A student may be considered suitable in one area and unsuitable in another. Students with speech defects that will interfere with successful teaching may be required to take corrective therapy.

Students who plan to receive a degree in education or a license through Western Carolina University must apply for and be officially admitted to a teacher education program. Students should apply for admission to teacher education during the semester in which they are enrolled in EDCI 231 (BK 250 for B-K majors), a course that is prerequisite to all other courses in the professional education sequence. Application should be made during the advisement and pre-registration weeks of the semester. Application forms are available in Killian Building, Room 228. The only courses in the professional education sequence that may be taken before being fully admitted to teacher education are EDCI 231 and PSY 320 or PSY 322 (BK 250 and SPED 313 for B-K majors).

Admission criteria

All requirements for admission to teacher education should be met by the beginning of the semester following the semester in which the student submitted the application. The following criteria are minimum requirements for admission:

1. completed at least 30 hours,
2. earned a C (2.0) or higher grade in EDCI 231, ENGL 101 and 102,
3. earned (and then maintain) a minimum cumulative GPA of 2.5 on hours attempted at WCU, students with a major in elementary or middle grades education must earn (and then maintain) a minimum cumulative GPA of 2.75 on hours attempted at WCU,
4. achieved the minimum required scores on the PPST (Reading, Writing, Mathematics). Students should register to take these tests during the first two weeks of the semester in which they apply for admission to teacher education,
5. completed a personal interview and received a satisfactory evaluation from the Professional Education Interview Panel. Students should register for the interview during the first two weeks of the semester in which they apply for admission to teacher education,
6. taken the Technology Diagnostic (students should take this when they are enrolled in EDCI 231 or before),
7. submitted the application for Admission to Teacher Education.

Applicants already holding non-teacher education degrees must meet all of the above requirements except they are not required to take the PPST. (Applicants to the B-K program without a teaching license must earn minimum scores on the PPST.) They must have had a minimum cumulative GPA of 2.5 (2.75 for elementary and middle grades education) at the time of graduation. Applicants with non-teaching degrees from accredited institutions without cumulative GPA of at least 2.5 have two options:

1) The student is eligible to apply for admission to a licensure-only or a second-degree program no sooner than three calendar years after receipt of the baccalaureate degree.

Or

2) The student is eligible to apply with passing scores on Praxis I tests and one of the following:

- a GPA of 3.0 in the major field of study,
- a GPA of 3.0 on all work completed in the senior year, or
- a GPA of 3.0 on a minimum of 15 semester hours of course work (relative to licensure) completed during the preceding five years.

Students must have maintained satisfactory conduct and citizenship records which are in keeping with the ethics of the teaching profession. A student who is readmitted to the
university after dismissal, suspension, or expulsion will not be readmitted to the teacher education program the first term after returning. Applicants with a record of legal offenses may not be eligible for admission to teacher education.

Applications for admission to teacher education are considered and acted upon by the Teacher Education Council.

Application forms are available in the dean’s office. The student should process the application as indicated on the form and file it in the dean’s office two weeks before early registration for the term in which admission is sought or by the date designated each term.

Continuation in the Teacher Education Program The requirements for continuing in the program are (1) a GPA of at least 2.5 on hours attempted, (2) behavior which adheres to the code of ethics of the profession, and (3) satisfactory participation in the required professional laboratory program that is prerequisite to student teaching. An evaluation of each field experience assignment will become a part of the student’s professional record.

If a student fails any course in the professional education sequence twice, the student is withdrawn from teacher education.

Course Requirements in the Program. The teacher education program requires a professional education sequence of nine to thirty-two hours in courses pertinent to teaching in specific areas and at various levels. All courses in the sequence except internship/student teaching and the internship/student-teaching seminar must be completed before admission to internship or student teaching. The courses in the sequence are determined by the student’s major.

* Birth-Kindergarten, 32 hours BK 250, SPED 313, EDEL 313, CFS 468, BK, SPED, EDEL 483, BK, SPED, EDEL 496
* Communication Disorders, 9 hours EDCI 231, PSY 320 or 322, 321
* Elementary and Middle Grades, 23 hours EDCI 231, PSY 320, 321, SPED 335, EDEL 484, 485, 495
* Physical Education, 28 hours EDCI 231, PSY 320 or 322, 321, EDRD 323, PE 325, PE 424, PE 490, 496
* Special Education, 21 hours EDCI 231, PSY 320 or 322, 321, SPED 490, 495
* Secondary and Special Subject Teaching, 28 hours EDCI 231, PSY 320 or 322, 321, SPED 335, EDRD 323, *Methods, EDSE 490, 495

*Students majoring in biology or social sciences take EDSE 322. Other students take the special methods course offered in their major department.

Clinical and Field Experience for Professional Education. The teacher education program requires field experiences in conjunction with several courses in addition to the intern/student-teaching requirement. Students are expected to make their own arrangements for transportation and housing and absorb the costs related to field experiences and internship or student teaching. Each program has different requirements, and students should discuss costs with the program head prior to applying for admission to the teacher education program.

The goal of professional education clinical and field experiences is to help teacher education students learn to teach all of their pupils to achieve at high levels of performance. Although each field experience requirement has its own specific purpose and placement procedures, the strategies to achieve this goal are stated below:

1. Field experience placements are made so that students have the opportunity to work with qualified educators in successful programs.
2. Field experience placements are made so that students have the opportunity to work with diverse learners.
3. Field experiences placements are made in collaboration with B-12 school personnel.
4 Field experience placements are made to facilitate appropriate supervision of students.

Student teaching/internship assignments are made only in school systems within the WCU service area.

**Admission to Student Teaching/Internship.** Students apply to the director of field experiences early in the semester prior to the semester in which student teaching/internship is to be done. The requirements for admission to student teaching/internship are:

1. Completion of at least 39 of 42 hours required for Liberal Studies
2. Enrollment in the professional education sequence for at least two semesters
3. Completion of at least ninety hours in a teacher education curriculum
4. One term in residence
5. A GPA of 2.5 or above, both at the beginning of the term immediately preceding the student teaching/internship term and at the time of enrollment in student teaching/internship
6. A 2.75 GPA required for elementary and middle grades majors
7. Completion of at least two-thirds of the major
8. Completion of all records designated by the director of field experiences
9. Completion of the applicable professional education sequence except for student teaching/internship and the student teaching/internship seminar
10. Completion of student teaching/internship application including recommendation by adviser and department head

**Continuation in Student Teaching/Internship.** To continue in student teaching/internship, students must maintain satisfactory professional conduct and adhere to the policies and regulations of the school to which they are assigned. When recommended by the director of field experiences and approved by the dean, students failing to perform at a satisfactory level may be removed from student teaching/internship.

**Requirements for Teacher Licensure.** To be eligible for teacher licensure, a student must:

1. Complete one of the approved teacher-education programs
2. Make a minimum grade of C (2.0) in student teaching
3. Receive a public school recommendation indicating that student teaching was successful
4. Successfully complete the technology portfolio
5. Complete applications for licensure and file them with the dean of the College of Education and Allied Professions
6. Receive a recommendation from the head of the department of the teaching major
7. Achieve the minimum score on the PRAXIS Tests
8. Receive a professional recommendation for Class A licensure by the dean of the College of Education and Allied Professions
9. Pay the fee required by the State Board of Education for the issuance of a teacher license

**North Carolina Teaching Fellows.** North Carolina Teaching Fellows must complete requirements in addition to those for regular teacher education students.

**EDUCATION AND ALLIED PROFESSIONS INTERDISCIPLINARY PROGRAMS**

**Multi-Media Minor.** The minor will consist of 18 hours with nine hours of core courses and nine hours of elective courses. Students will take one course in each of the three core areas: Visual, choose from ART 320, CMPM 306, or ENGL 313; Audio, choose from MUS 383; Textual, choose ENGL 304 or CMPM 404. The remaining nine hours will be selected from other core courses and these additional courses involving multimedia history and technology: ART 479, CMPM 406, EDCD 372, EDEL 466, EDEL 472, EET 301, EET 302, ENGL 305, ENGL 307, ENGL 310, MUS 181, and MUS 283.
DEPARTMENT OF BIRTH-KINDERGARTEN, ELEMENTARY AND MIDDLE GRADES EDUCATION

Elizabeth F Tyson, acting head

B Bell, P Bricker, M Coulter, E Dean, V Faircloth, G Freeman, J Hall, B Houghton, G Houston, L Laminack, R McCready, C Meigs, J Perlmutter, T Rose, M Ray

The Birth-Kindergarten Program

Admission and retention policies in the B-K program are based on the standards and guidelines of the State of North Carolina and the National Council for Accreditation of Teacher Education (NCATE). Approved institutions must have established procedures for implementing decisions regarding admission to and retention in the program. The state and NCATE guidelines require continuous evaluation of students admitted to the program.

Admission to the Birth-Kindergarten Program

Students in the B-K program, regardless of concentration, must earn and maintain a GPA of 2.5 before being admitted to the program. Students must apply during the semester they complete BK 250. Students may accumulate no more than 12 semester hours in the major before being admitted to the BK program.

Admission to the Professional Education Concentration

Students in the professional education concentration must be admitted to teacher education (see Teacher Education) and are subject to all of the teacher education requirements. BK 250 and SPED 313 are the only courses in the professional education sequence that may be taken before admission to teacher education. The BK professional education sequence includes BK 250, SPED 313, EDEL 313, COUN 310, BK, SPED, EDEL 483, BK, SPED, EDEL 496.

Continuation in the B-K program The requirements for continuing in the program are (1) a GPA of at least 2.5 on hours attempted (2) behavior which adheres to the code of ethics of the profession and (3) satisfactory participation in the required professional field experiences, which is prerequisite to internship. An evaluation of each field experience assignment will become a part of the student's professional record.

Major in Birth-Kindergarten, B S Degree

Liberal Studies, 42 hours

The major requires 51 hours as follows:

BK 250 Introduction to Birth-Kindergarten, 3 hours
BK 260 Foundations of Child Study, 3 hours
BK 361 Environments for Young Children, 3 hours
BK 366 Infant Development and Curriculum, 3 hours
BK 462 Adult Child Interactions, 3 hours
BK, SPED, EDEL 470 Early Childhood Curriculum, 3 hours
BK 363 Child Development, 3 hours
BK 463 Computer Applications for Early Childhood Professionals, 3 hours
COUN 310 Family Systems, 3 hours
COUN 440 Leadership and Facilitation, 3 hours
SPED 240 The Exceptional Child, 3 hours
SPED 313 Assessment of Young Children, 3 hours
SPED 345 Adaptations and Modifications for Young Children with Disabilities, 3 hours
SPED 411 Collaborative Planning, 3 hours
SPED 412 Interagency Practicum, 3 hours
EDEL 313 Literacy and Numeracy, 3 hours
EDEL 314 Kindergarten Curriculum, 3 hours
Concentration, 20-21 hours selected from the following

**Professional education (20 hours)**  
BK-SPED-EDEL 483 (16 sh), BK-SPED-EDEL 496 (4 sh)  
Home-based internships are completed in the fall semester, center-based internships are completed in the fall, spring, or summer semesters, and public school internships are completed in the spring semester.

**Non-licensure (21 hours)**  
BK, SPED 488 (9 sh), 12 hours selected from COUN 430, HIST 451, SOC 326, SPED 401, 405 or courses approved by the BK program

**General electives, 14-15 hours**

**Minor in Birth-Kindergarten**  
The minor requires 21 hours, including BK 363, 462, COUN 310, SPED 240, SPED 345 and 6 hours selected from BK 260, 361, SPED 313, 411, 412

### Major in Elementary Education, B.S.Ed Degree

**Liberal Studies, 42 hours**

The major requires 36 hours as follows

- EDEL 303 Literature for Children and Youth, 3 hours
- EDEL 312 Elementary School/Methods and Curriculum, 3 hours
- EDEL 315 Elementary/Middle Grades Communication Skills, 3 hours
- EDEL 316 Elementary/Middle Grades Science, 3 hours
- EDEL 317 Elementary/Middle Grades Social Studies, 3 hours
- EDEL 318 Elementary/Middle Grades Mathematics, 3 hours
- EDEL 466 Computers in Education, 3 hours
- EDRD 334 Reading Instruction in the Elementary School, 3 hours
- EDRD 474 Practicum in Teaching Reading, 3 hours
- PE 361 Physical Education for the Elementary Teacher, 1 hour
- MATH 230 Theory of Arithmetic I, 3 hours
- MATH 231 Theory of Arithmetic II, 3 hours
- MUS 301 Basic Skills, 1 hour
- ART 363 Art for Children, 1 hour

In order to complete the program, the following are required

1. completion of an approved disciplinary focus area, 24 hours,
2. completion of the professional education sequence for elementary education majors, 26 hours
3. no grade lower than C on all program requirements including all EDEL, EDMG, and EDRD courses will be accepted for graduation

### Major in Middle Grades Education, B.S.Ed Degree

**Liberal Studies, 42 hours**

The major requires 15 hours in core courses as follows

- EDMG 310 Middle School Child and Curriculum, 3 hours
- EDEL 315 Elementary/Middle Grades Communication Skills, 3 hours
- EDEL 466 Computers in Education, 3 hours
- EDRD 443 Middle Grades Reading, 3 hours
- EDRD 474 Practicum in Teaching Reading, 3 hours

In order to complete the program, the following are required

1. The completion of an approved disciplinary focus area (24 hours),
2. Two concentrations of at least 18 hours, including the appropriate 3-hour methods course, in mathematics and science or social studies and language arts. Work completed in the disciplinary focus area may be counted toward one concentration.
3 The professional education sequence (26 hours) for middle grades education and an elective (0-3 hours)
4 No grade lower than C on all program requirements including all EDEL, EDMG, and EDRD courses and courses in the middle grades areas of licensure will be accepted for graduation

Reading (K-12) Certification Track
Certification in reading may be earned by students holding or eligible for certification in elementary education or middle grades education. The program requires 19 semester hours including EDEL 303, EDEL 467, EDRD 334, EDRD 443, EDRD 453, and EDRD 474. Students holding or eligible for certification in other areas may also obtain certification in reading. For information contact the head of the Department of Elementary and Middle Grades Education.

DEPARTMENT OF EDUCATIONAL LEADERSHIP AND FOUNDATIONS
Nancy Mims, head
E Allan, T Canepa, G Chambers, W Clauss, B Fox, J Franson, R Haynes, E Hilty, C Hurley, M Herzog, A McFadden, J McFadden, D McGinty, G Moller, K Pennington, R Pittman, A Profitt, J Walters, D Williams, O Winters

Major in Secondary and Special Subject Teaching, B S Ed Degree
Degree requirements are as specified for the respective degree programs in the appropriate departmental sections of this catalog. The subject areas in which majors are available are

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<td>Special Education</td>
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Students seeking or holding a degree other than a Bachelor of Science in Education may be admitted to the teacher education program and earn teacher licensure. Consult your adviser or department head.

DEPARTMENT OF HEALTH AND HUMAN PERFORMANCE
David Claxton, head
K Ayers, D Baucom, K Beathard, R Beaudet, J Compher, M Craft, M Creason, D Grube, A Johnson-Grube, E Kesgen, P McCray, J Menickelli, V Nybo, M Ochoa, S Palmore, S Persons, M Phupps, T Raleigh, S Shurina, D Singleton, B Tholkes, M Troy, D Williamson, J Young, H Yurachek

Major in Physical Education, B S Ed Degree
Liberal Studies, 42 hours
The major requires 34 hours as follows
HEAL 250 First Aid and Safety Education, 2 hours
PE 251 Dance Dynamics, 3 hours
PE 255 Fitness, Wellness and Conditioning Theory and Practice, 2 hours
PE 256 Pedagogical Aspects of Physical Education, 2 hours
PE 264 Skill Acquisition, 1 hour
PE 311 Measurement and Evaluation, 2 hours
PE 312 Foundations in Health and Physical Education, 3 hours
PE 335 Anatomy and Physiology, 3 hours  
PE 345 Physical Education for Children, 3 hours  
PE 353 Methods and Teaching Analysis of Team and Individual Sports, 3 hours  
PE 405 Outdoor Leisure Pursuits, 1 hour  
PE 423 Kinesiology, 3 hours  
PE 425 Exercise Physiology, 3 hours  
PE 435 Motor Behavior, 3 hours  

In order to complete the program, the following are required:

The professional education sequence (28 hours) for secondary and special subject teaching  
A disciplinary focus area of 24 hours  
A grade of C or better in all major classes including  
PE 325 Physical Education Curriculum and Methods and PE 424 Physical Education for  
Exceptional Children (Departmental Methods courses included in the Professional Educa-  
tion Sequence) and completion of a year-long internship  
All majors must be active in a varsity sport, to include cheerleading, athletic training or managing, or serve as an intramural assistant for two full semesters and complete 50 hours of community service prior to student teaching.

All majors are encouraged to be active in intramural programs. Juniors and seniors must be in good standing as members of the Physical Education Majors Club (individual faculty members will include this as part of professional assignments in certain classes, such as PE 312, 325, 345, and 353).

Major in Parks and Recreation Management, B. S. Degree

Liberal Studies, 42 hours

The major requires 38-39 hours as follows:

HEAL 250 First Aid and Safety Education, 2 hours or  
PRM 256 Outdoor First Aid, 3 hours  
PRM 150 Career Opportunities in Parks and Recreation Management, 1 hour  
PRM 250 Foundations of Parks and Recreation Management, 3 hours  
PRM 254 Introduction to Outdoor Pursuits Education (w/lab), 3 hours  
PRM 270 Leadership and Group Dynamics in Recreation, 3 hours  
PRM 361 Program Planning and Evaluation in Parks and Recreation Management, 3 hours

PRM 370 Internship Orientation, 1 hour  
PRM 383 Internship in Parks and Recreation Management (mini-internships) (1 credit,  
repeat 3 times for a total of 3 credits)  
PRM 430 Entrepreneurship and Commercial Recreation, 3 hours  
PRM 433 Outdoor Recreation, 3 hours  
PRM 461 Management and Administration of Parks and Recreation Management  
Services, 3 hours  
PRM 480 Independent Study, 3 hours  
PRM 483 Internship in Parks and Recreation Management, 3 hours  
PRM 495 Senior Seminar in Parks and Recreation Management, 1 hour  
RTH 350 Recreational Therapy and People with Physical Disabilities, 3 hours

Select 12 hours from one of the following concentrations:

Community Recreation  SM 315, SM 435, PRM/SM 330, PE 264, 265, 266, 410, 411,  
418, PRM 420, 440, 434, 435  
Outdoor Leadership and Instruction  PRM 313, 314, 321, 420, 425, 426, 434, 486, or  
RTH 470
Commercial and Resort Recreation  PRM 440, 425, 426, 434, PRM/SM 330, HT 130, 335, 336, ACCT 161, BA 133, MGT 300, 401

Recreation Resource Management (12 hours)  An approved area of study tailored to suit specific land agencies such as the National Parks Service, Forest Service, Bureau of Land Management, Bureau of Indian Affairs, state parks, and Army Corp of Engineers

General electives, 35-36 hours, are required to complete the program

Admission criteria:
All requirements for admission to Parks and Recreation Management (PRM) must be met by the beginning of the semester following the semester in which the student submitted the application  The following are requirements for admission

1  complete an essay after reviewing current PRM journals on reasons for becoming a PRM major,
2  complete a personal strategic plan with an adviser to plan to include involvement in professional activities as well as academic expectations,
3  earn (and maintain) a minimum cumulative GPA of 2.5 on hours attempted at WCU

Minor in Parks and Recreation Management
The minor requires 19 hours, including PRM 150, 250, 270, and 12 hours of approved electives

Major in Recreational Therapy, B S Degree
Liberal Studies, 42 hours

Program requirements, 14 hours  COUN 430, BIOL 291, 292, COUN 325

The major requires 58 hours as follows
RTH 200 Foundations of Recreational Therapy, 3 hours
RTH 350 Recreational Therapy and Persons with Physical Disabilities, 3 hours
RTH 352 Recreational Therapy Processes and Techniques, 3 hours
RTH 360 Recreational Therapy Services for the Elderly, 3 hours
RTH 395 Pre-Internship Seminar, 1 hour
RTH 417 Administration of Recreational Therapy Services, 3 hours
RTH 450 Advanced Methods in Recreational Therapy, 3 hours
RTH 470 Adventure-Based Recreational Therapy, 3 hours
RTH 484 Recreational Therapy Clinical Internship, 6 hours
RTH 485 Recreational Therapy Clinical Internship, 6 hours
PRM 270 Leadership and Group Dynamics in Recreation, 3 hours
PSY 150 General Psychology, 3 hours
PSY 470 Abnormal Psychology, 3 hours
HSCC 220 Medical Terminology, 3 hours
HSCC 330 Legal and Legislative Aspects of Health Care, 3 hours
HSCC 370 Introduction to Pharmacology, 2 hours
HEAL 250 First Aid and Safety Education, 2 hours
ENGL 401 Writing for Careers, 3 hours
PE 423 Kinesiology, 2 hours

General electives (14 hours) are required to complete the program

Major in Sport Management, B S Degree
Liberal Studies, 42 hours
Program requirements, 12 hours  ACCT 161 or 251, CIS 293 or 301 or CS 130, ECON 231, MKT 301

The major requires 63 hours as follows

**Core courses, 42 hours**
- SM 260 Introduction to Sport Management, 3 hours
- SM 313 Psychological Aspects of Sport, 3 hours
- SM 380, 383, or 389 Independent Study, Apprenticeship, or Cooperative Education, 1 hour
- SM 415 Legal Issues for the Sport Practitioner, 3 hours
- SM 423 Sociology of Sport, 3 hours
- SM 435 Event and Facility Management and Marketing, 3 hours
- SM 460 Financial Aspects of Sport, 3 hours
- SM 461 Sport Marketing, 3 hours
- SM 484, 485 Internship in Sport Management, 12 hours
- SM 495 Sport Management Seminar, 2 hours
- MGT 300 Introduction to Management, 3 hours
- MGT 304 Human Resource Management, 3 hours

**Concentrations (20-21 hours) selected from**

- **Athletic Administration**  SM 315, SM 445, MKT 302, 304, 306, LAW 315, CMPR 360
- **Exercise Science and Fitness Management**  CHEM 132, 133, PE 423, 425, ND 330, PE 335 or BIOL 291 or BIOL 292
- **Professional Sport Management**  MGT 302, MKT 304, 306, 405, LAW 315, LAW 230 or SM 445, and CMPR 360
- **Sales**  ACCT 251 or 252, MGT 401, MKT 302, 304, 306, 403, LAW 230 or SM 445
- **Sports Information**  CMCR 140, 301, CMPM 303, 304, 305, CMPR 360 and SM 445

General electives (11-12 hours), including appropriate credits at the junior-senior level, are required to complete the program.

**Students with majors outside the College of Business are prohibited from taking in excess of 25 percent of the hours required for their degree from College of Business courses**

Sport Management majors must have a C or better in all SM prefix courses in order to intern and graduate.

**Admission Criteria**

All requirements for admission to Sport Management (SM) must be met by the semester in which the student submitted the application. The following are requirements for admission:

1. A completed essay on career aspirations within the sport industry
2. Earn and maintain a minimum cumulative GPA of 2.5 on hours attempted at WCU
3. The 2.5 GPA must be maintained to do internships and graduate in sport management
4. "C" or better is required for all SM prefix courses
5 Permission of sport management adviser
6 Completion of all required course work
7 Coaching minor if intended internship is in coaching

Requirements for Graduation in Sport Management
• 2.5 WCU Grade Point Average
• "C" or better in all SM prefix courses
• 128 semester hours
• All other WCU requirements
*If a student intends to select an internship in coaching, a coaching minor is required

Other Information
Up to twelve majors will be admitted each academic semester (fall and spring). There may be a limit to the number of students admitted to any given concentration. All applications to the major and required information must be submitted prior to the due date each semester for full consideration. Deadline for fall applications (spring admission) is October 1. Deadline for spring applications (fall admission) is March 1.

Minor in Coaching
The minor requires 20 hours, including HEAL 250, PE 213, 313, 335, SM 415, and two courses selected from PE 410, 411, and 418. The minor is not open to physical education majors.

Minor in Physical Education
The minor requires 21 hours, including HEAL 250, PE 255, 256, 312, 345, 353, 435, and SM 415. The minor is not open to physical education majors.

DEPARTMENT OF HUMAN SERVICES
Michael T Garrett, head

Major in Special Education, General, B S Ed Degree
Students who complete this major are eligible for North Carolina certification in learning disabilities and mental retardation.

Liberal Studies, 42 hours
Special education major, 38 hours as follows
SPED 240 The Exceptional Child, 3 hours
SPED 310 Evaluation of the Exceptional Child, 3 hours
SPED 312 Teaching Elementary Students with Learning Problems (K-6), 3 hours
SPED 335 Teaching Exceptional Children, 2 hours
SPED 401 Introduction to Learning Disabilities, 3 hours
SPED 405 Introduction to Mental Retardation, 3 hours
SPED 413 Teaching Adolescents with Learning Problems, 3 hours
SPED 417 Managing Classrooms for Exceptional Children, 3 hours
SPED 450 Individual Educational Plans for Students with Disabilities, 3 hours
SPED 484 Special Education Internship I, 3 hours
EDEL 318 Elementary/Middle Grades Mathematics, 3 hours
EDRD 474 Practicum in Teaching Reading, 3 hours

Guided electives, 3 hours

The professional education sequence (21 hours), a disciplinary focus area (24 hours), 3 general elective hours, 50 hours of service learning and the development of a portfolio are required to complete the program. Special education majors are required to maintain a 2.5 in the major and to earn a "C" or better in all courses required in the major. If a student earns a grade below a "C" in a required course or a student's grade point average in the major falls below 2.5, the student will not be permitted to enroll in SPED 312, SPED 335, SPED 417, SPED 450, SPED 413 or SPED 474.

Major in Communication Disorders, BSEd Degree

This is a preprofessional program. Licensure and certification by the State of North Carolina and the American Speech-Language-Hearing Association require successful completion of a master's degree.

Liberal Studies, 42 hours

The major requires 36 hours as follows
SPED 240 The Exceptional Child, 3 hours
EDCD 270 Introduction to Communication Disorders, 3 hours
EDCD 301 Speech and Language Development, 3 hours
EDCD 370 Phonetics, 3 hours
EDCD 372 Acoustics and Speech Science, 3 hours
EDCD 380 Anatomy and Physiology of the Speech Mechanism, 3 hours
EDCD 450 Introduction to Audiology, 3 hours
EDCD 470 Speech-Language Disorders in Adults, 3 hours
EDCD 472 Aural Rehabilitation, 3 hours
EDCD 477 Speech-Language Disorders in Children, 3 hours
EDCD 478 Fluency and Voice Disorders, 3 hours
EDCD 479 The Clinical Process, 3 hours

Concentration, 24 hours

The professional education sequence requires PSY 320 and PSY 321, 6 hours

General electives include 20 hours

Minor in Special Education

The minor in special education requires 18 hours, including SPED 240, 310, 401, 405, and 6 hours of guided electives

DEPARTMENT OF PSYCHOLOGY
C James Goodwin, head

M Abel, S Acheson, C Boan, M Griffin, J Habel, B Henderson, H Herzog, R Kowalski, D McCord, E McDowell, S Minor, M Randolph, H White
Major in Psychology, B.S. Degree

Liberal Studies, 42 hours

The major requires 39 hours as follows

PSY 150 General Psychology, 3 hours
PSY 251 Research Methods I (Statistics), 3 hours
PSY 252 Research Methods II (Experimentation), 3 hours
PSY 455 Systems and Theories in Psychology, 3 hours
PSY 495 Senior Seminar in Psychology, 3 hours

Psychology electives
Developmental, 3 hours selected from 320, 322, 325, 327
Social, 3 hours selected from 310, 313, 333
Experimental, 3 hours selected from 440, 444, 448
Clinical, 3 hours selected from 363, 430, 441, 470, 474
Other psychology electives, 12 hours

In addition to completing 39 hours of PSY courses, psychology majors must also complete a second major, a minor, or another approved program. Of the 39 required PSY hours, at least 12 must be in junior/senior level courses

Minor in Gerontology

The minor requires 24 hours, including PSY 260, PSY 325, PSY 252 or SOC 385 or NSG 470, at least one course from the Biological Perspective-ND 330, NSG 393, PE 335, at least one course from the Social-Psychological Perspective-PSY 327, PSY 426, SOC 494, at least one course from the Interventions Perspective-EMC 430, NSG 405, SOCW 329, RTH 253, RTH 360, and one applications course-NSG 480, PSY 482, 483, 484, 485, SOC 483, 484, 485

Minor in Life Span Development

The minor requires 24 hours, including PSY 325, 3-6 hours selected from PSY 327, 393, 6-9 hours selected from PSY 331, 333, 426, 470, 474, COUN 450, and 3-6 hours in PSY 482, 483, or approved courses named above

Minor in Psychology

The minor requires 24 hours, including 150, 251 (or equivalent), 252 (or equivalent), and 15 hours of approved psychology electives
The Graduate School at Western Carolina University awarded its first graduate degrees in 1952. Since that time, it has continuously broadened its offerings. Programs offered by the Graduate School lead to twelve master's degrees with more than fifty options in the different professional and academic areas. The education specialist and doctoral degree in educational leadership are also offered.

Master of Accountancy

Master of Arts  Majors in American history, English, music (applied and education), and psychology (clinical and school)

Master of Arts in Education  Majors in educational administration (two-year college), counseling (school), elementary education, middle grades education, special education general (with concentrations in behavioral disorders, learning disabilities, mental retardation, and severe and profound disabilities), educational supervision (curriculum-instruction, instructional technology specialist-computers, international studies), and in two-year college teaching with majors in biology, English, mathematics, physical education, and individually approved multi-disciplinary studies

Master of Arts in Teaching  Options in Art, Biology, Chemistry, English, Mathematics, Physical Education, Reading, and Social Sciences

Master of Business Administration

Master of Fine Arts in Art  Proposed for summer 2004

Master of Health Sciences  Options in Education, Environmental Health, Management, Nutrition

Master of Physical Therapy

Master of Project Management

Master of Public Affairs

Master of School Administration

Master of Science  Majors in Applied Mathematics, Biology, Chemistry, Communication Disorders, Community Counseling, Human Resources, and Technology

Master of Science in Nursing

Education Specialist  Educational Leadership

Doctor of Education  Educational Leadership

Admission and Program Requirements  Admission to the Graduate School requires a bachelor's degree from a regionally accredited college or university with an undergraduate background appropriate for graduate study in the proposed field and a minimum GPA of 2.75 in the last two years of the undergraduate program. Some programs may require a higher GPA. Departments also require some form of standardized test such as GMAT or GRE. Please consult The Record, Graduate Catalog, for specific requirements for each program. Prospective students are encouraged to talk to the head of the department of the intended field.

*Complete information will be found in the graduate catalog. The Record, Graduate Catalog available from the Graduate School.
program concerning their eligibility to be admitted as a graduate student. Many programs require three letters of reference from former instructors or employers who are in a position to judge the applicant’s aptitude for graduate study. These forms are available from the Graduate School. Formal application and all credentials should be submitted to the Graduate School not later than six weeks prior to the opening of the term in which the student expects to enroll. Some programs have application deadlines. Applicants should contact the Graduate School to determine these programs.

Some graduate programs require a thesis. These are master of arts in American history (excluding public history and American studies options), master of arts in English, master of arts in psychology (clinical and school), master of science in biology, and master of science in chemistry. A thesis or lecture/recital is required for the M.A. in music. A thesis may be accepted for degree programs leading to the master of arts in education, the master of health sciences, the master of science in applied mathematics, and the master of science in communication disorders. A dissertation is required for the EdD.

A reading knowledge of a foreign language is required for the following programs: master of arts in American history and the master of arts in English. Other degree programs do not require proficiency in a foreign language.

All degrees may be completed with a minimum of thirty to seventy-five semester hours of graduate study. However, applicants may be required to take additional course work to strengthen their academic background.
COURSE DESCRIPTIONS

All courses offered by the university are listed below. For the full description of graduate courses, refer to the graduate catalog. If the entry for an undergraduate course does not carry the full description, refer to the listing for the field of study designated by the parenthetical course prefix and number.

Numbering System. Each course is identified by means of a course prefix and a three-digit number. The first digit of the number designates the level of the course and indicates the minimum class rank a student should have achieved to enroll in the course:

- 01-100: Noncredit courses which are not applicable to degrees
- 101-199: Courses for freshmen
- 200-299: Courses for sophomores
- 300-399: Courses for juniors
- 400-499: Courses for seniors
- 500-799: Masters-level courses
- 800-999: Doctoral-level courses

Students should not enroll in courses numbered above their class rank without the permission of the department offering the course. Undergraduate students may not enroll in graduate-level courses for either undergraduate or graduate credit except under the conditions specified in the graduate catalog. In such cases, the student must meet graduate-level requirements to receive credit.

Courses numbered 293, 294, 393, 394, 493, 494, 593, 594, 693 or 694 are for special topics that reflect a student’s or faculty member’s special interest not covered by regular departmental curriculum offerings. Credit in these courses varies from one to four credit hours, to be determined by the department for each offering. Students may take up to 12 hours of special topic credit in a single department/program. A particular topic course can be taught at most two times in a five-year period. If a department/program wishes to teach a particular topic course more than twice in a five-year period, it must propose the course as a regular course, subject to the curriculum review process.

The category of liberal studies to which each course applies may be found in the liberal studies requirements section. The applicable category also is indicated by the parenthetical code at the end of each course description:

Core
- C1 Writing
- C2 Mathematics
- C3 Oral Communication
- C4 Wellness

Perspectives
- P1 Social Sciences
- P2 Physical and Biological Sciences
- P3 History
- P4 Humanities
- P5 Fine and Performing Arts
- P6 World Cultures

The number 389 is reserved for cooperative education undergraduate courses, and the number 589 is reserved for cooperative education graduate courses.

Within the sequences 480-499, 580-599, 680-699, and 780-799, the second and third digits of the numbers are assigned to special types of courses:

- 80-82: Independent study and directed-readings courses
- 83-89: Internships, practicum, and special applied field projects
- 90-92: Student teaching
- 93-94: Special topics courses
- 95-98: Seminars
Course Prefixes. The prefixes used to designate courses, except in the case of very short names such as art, are abbreviations of the names of departments or of fields of study within the departments.

Credits and Class Meetings. Unless otherwise indicated at the end of the course description, the number of hours a class meets each week is the same as the credit-hour value of the course. The credit-hour value of each course is indicated in parentheses immediately following its title. For example, if 3 hours of credit may be earned, the credit is indicated as follows (3). In variable credit courses, the minimum and maximum hours are shown as follows (1-3). Unless repeat credit is specified in the course description, a course may be applied only once toward the hours required for graduation. The availability of a course for repeat credit and the maximum hours that may be earned are indicated within the parentheses and immediately following the credit-hour value of the course as follows (3, R6). In this example, the course carries 3 hours of credit and may be repeated once for a total maximum of 6 hours applicable toward a degree.

Prerequisites and Corequisites. A prerequisite (PREQ) is any special requirement, usually one or more background courses or requirements other than class rank, that must be met before enrolling in a course specifying the prerequisite. A corequisite (COREQ) is any course which must be taken during the same term as the course that specifies the corequisite.

Experiential Courses. The maximum credit in experiential courses that may be applied toward a degree within the minimum of 120 or 128 hours required in all bachelor’s programs is 26 semester hours (20 percent). The maximum credit that may be earned in cooperative education or applied field project courses/internships or in any combination of the two is 15 hours. Credit is awarded in experiential courses on the basis of a minimum of three contact hours per credit hour.

Cooperative Education Courses. Students participating in a cooperative education work term are registered for a 389 course in the major department, or the department most closely related to the work experience. To be eligible, a student must be at least a sophomore and have a GPA of 2.0 or above. Exceptions must be approved by the departmental co-op placement adviser. A full statement of the requirements for academic credit is available from the Cooperative Education Office in the Career Services Office. Academic assignments and work performance are used to evaluate the student on an S/U basis.

Special Topics Course Policy. Courses numbered 293, 294, 393, 394, 493, 494, 593, 594, 693 or 694 are for special topics that reflect a student’s or faculty member’s special interest not covered by regular departmental curriculum offerings. Credit in these courses varies from one to four credit hours, to be determined by the department for each offering. Students may take up to 12 hours of special topic credit in a single department/program. A particular topic course can be taught at most two times in a five-year period. If a department/program wishes to teach a particular topic course more than twice in a five-year period, it must propose the course as a regular course, subject to the curriculum review process.
### Guide To Course Prefixes

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<td>Academic Affairs</td>
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<td>Interdisciplinary</td>
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</table>
Accounting (ACCT)

161 Accounting for the Non-Business Major (3)
The basic accounting cycle, financial statements, uses of accounting in business and non-business organizations. Not open to students seeking the BS BA degree.

251 Accounting Principles I—Financial (3)
Proprietary-based treatment of the accounting cycle, financial statements, merchandising, cash, receivables, payables, inventories, plant property and equipment, payroll, accepted accounting principles, and partnerships.

252 Accounting Principles II—Managerial (3)
Accounting techniques applied in a managerial context. Product costing techniques, activity-based costing, cost-volume-profit analysis, budgeting, and short-term decision models. PREQ 251.

275 Intermediate Accounting I (3)
Accounting theory in financial statements, valuation and present value concepts, current assets. PREQ 252.

293 Topics in Accounting (1-3, R3)

301 Financial Statement Analysis (3)
Short-term liquidity, cash flow from operations, funds flow, capital structure, long-term solvency, return on investment, asset utilization, and operating performance. PREQ 252. COREQ FIN 405, 495.

352 Intermediate Accounting II (3)
Theory applied to current and long-term liabilities, plant property and equipment, intangible assets, and stockholders equity. PREQ 275 and pass WCU's Accounting Competency Exam.

355 Introduction to Income Taxation (3)
Federal income taxation of individuals and sole proprietors, gross income inclusions and exclusions, business and employee deductions, property transactions, capital gains and losses, cost recovery. PREQ 251.

356 Cost Accounting (3)
Budgeting, systems design, responsibility accounting and motivation, standard costing, variance analysis, cost behavior patterns, relevant costs, contribution analysis, and income effects of costing alternatives. PREQ 252.

361 Not-For-Profit Accounting (3)
Accounting principles as applied to governmental agencies and other nonprofit organizations. PREQ 252.

365 Accounting Information Systems (3)
Accounting information systems including understanding appropriate computer technology in accounting, systems design and evaluation, systems controls, and systems implementation. PREQ 252.

389 Cooperative Education in Accounting (1 or 3, R15)
See Cooperative Education Program.

454 Auditing (3)
Theory, practice, and procedures in auditing, standards, professional ethics and internal controls. PREQ 352.

465 CPA Problems (3)

466 Income Tax II (3)
Controllership (3)
Contemporary issues facing accountants in managerial decision-making responsibilities Comprehensive evaluation of information used for decisions with strategic implications for the company

Independent Research in Accounting (3)
PREQ Accounting major, permission of department head

Accounting Internship (3, 3, 3)
A full-time work situation providing in-depth experience in accounting practices
S/U grading PREQ Junior standing, formal application, permission of accounting internship coordinator

Topics in Accounting (1-3, R6)
PREQ Permission of department head

Graduate Courses
601 Financial Analysis (3)
605 Accounting Theory and Practice I (3)
615 Accounting Theory and Practice II (3)
616 Accounting Theory and Practice III (3)
620 Income Tax Theory and Applications (3)
625 Advanced Accounting Information Systems (3)
630 Cost/Managerial Accounting (3)
635 Accounting and Auditing Concepts in Not-for-Profit Organizations (3)
640 Auditing (3)
651 Managerial Accounting (3)
661 Advanced Theory (3)
662 Taxation and Business (3)
682 Research Project in Accounting (3, R6)
693 Topics in Accounting (1-3, R6)
779 Continuing Research - Non-Thesis Option (1, R10)

Anthropology (ANTH)

Origins of Civilization (3)
Survey of human and cultural development from the earliest hominids to the advent of ancient civilizations (P1)

Comparative Cultural Systems (3)
Analysis and comparison of the major features of diverse human cultures (P6)

Freshman Seminar: The Human Condition (3)
Examination of various aspects of human cultural behavior 3 Seminar (P6)

Archaeology and Bioanthropology (3)
Evolutionary theory, human genetics, primatology, fossil humans, and early civilizations

Cultural and Social Anthropology (3)
Survey and comparison of social, political, economic, religious, and artistic achievements to provide understanding of cultural diversity

Economy and Society (3)
Types of economic systems examined and compared, emphasis on preindustrial and industrializing societies PREQ 260

History of Anthropological Theory (3)
Concepts, theories, and schools of thought in historical context, contributions to contemporary anthropology PREQ 250, 260

Applied Anthropology (3)
Examination of problems and solutions in programs of directed social and cultural change, case studies PREQ 260

Environmental Anthropology (3)
Relationships between physical environment and culture, nonphysiological means of environmental adaptation PREQ 250, 260, or SOC 231
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>361</td>
<td>World Prehistory (3)</td>
<td>Examination of prehistoric cultural developments and the advent of modern civilization in major world areas</td>
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<tr>
<td>365</td>
<td>Religion, Magic, Myth (3)</td>
<td>Nonliterate religious tradition and ritual behavior, life-crisis rituals, secret societies, magic and witchcraft, notions of divinity PREQ 260</td>
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<tr>
<td>379</td>
<td>(ART 379) Cherokee Arts and Crafts (3)</td>
<td>Present-day Cherokee skills of woodcarving, basketry, pottery making, and other arts of Cherokee culture and society 1 Lecture, 5 Lab</td>
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<tr>
<td>380</td>
<td>(SOC 380) Ethnographic Research Methods (3)</td>
<td>Theory and method, techniques of observation, description, interviewing, notetaking, and analyzing data, planning and completing a field study PREQ 260 or SOC 231</td>
</tr>
<tr>
<td>389</td>
<td>Cooperative Education in Anthropology (1 or 3, R15)</td>
<td>See Cooperative Education Program</td>
</tr>
<tr>
<td>414</td>
<td>(SOC 414) Minority Groups (3)</td>
<td>Relations between dominant and subordinate races and ethnic groups, historical and comparative aspects, African Americans, Chicanos, and Indians PREQ SOC 231 and SOC 245, or ANTH 260, or permission of instructor</td>
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<tr>
<td>417</td>
<td>Southern Appalachian Culture (3)</td>
<td>Stability and change in the sociocultural institutions of the region PREQ 260 or SOC 231</td>
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<tr>
<td>419</td>
<td>Comparative Family (3)</td>
<td>The family as a social institution in various cultures PREQ 260 or SOC 231</td>
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<tr>
<td>431</td>
<td>North American Prehistory (3)</td>
<td>Cultural history of the peoples of prehistoric North America, including Mexico PREQ 250</td>
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<tr>
<td>440</td>
<td>Archaeological Field Techniques (6)</td>
<td>Basics of field work, surveying, photography, excavation, recording, and preservation techniques PREQ Permission of instructor</td>
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<tr>
<td>441</td>
<td>Archaeological Problems and Analyses (3)</td>
<td>Experience in collecting and analyzing relevant archaeological data PREQ Permission of instructor</td>
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<tr>
<td>461</td>
<td>Indians of North America (3)</td>
<td>Traditional and changing life styles of native North Americans, environmental adaptations, social organizations, religions, and arts PREQ 260</td>
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<tr>
<td>465</td>
<td>Cultures of Latin America (3)</td>
<td>Cultural and historical perspectives on the political relations, social structures, and religions of the indigenous peoples of the region PREQ 260</td>
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<tr>
<td>466</td>
<td>Folklore (3)</td>
<td>Major forms, theories, and functions of lore among the world’s cultures, collection, classification, and analysis of folklore PREQ 260 or permission of instructor</td>
</tr>
<tr>
<td>473</td>
<td>Contemporary Cherokee Culture and Society (3)</td>
<td>Present-day Cherokee culture and society, effects of tourism and the reservation system on life styles PREQ 260</td>
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<td>477</td>
<td>Cultures of Subsaharan Africa (3)</td>
<td>Cultural diversity and development in Subsaharan Africa from earliest times to the present</td>
</tr>
<tr>
<td>481</td>
<td>Independent Study in Anthropology (1-2, R6)</td>
<td>PREQ Written application, approval of instructor and adviser</td>
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</tbody>
</table>
483 Anthropology Internship (3, 3, 3)
Application of academic training in an approved agency under faculty supervision.
Credit toward anthropology major or minor limited to 3 hours S/U grading 9 hours per week per course.

493 Topics in Anthropology (3, R6)
PREQ Permission of instructor

Graduate Courses
514 (SOC 514) Minority Groups (3)
517 Southern Appalachian Culture (3)
519 Comparative Family (3)
531 North American Prehistory (3)
540 Archaeological Field Techniques (3)
541 Archaeological Problems and Analyses (3)
561 Indians of North America (3)
565 Cultures of South Asia (3)
566 Folklore (3)
573 Contemporary Cherokee Culture and Society (3)
577 Cultures of Subsaharan Africa (3)
591 Independent Study in Anthropology (1-2, R6)
593 Topics in Anthropology (3, R6)

Art (ART)

103 Art in Society (3)
Examination of recurring visual forms in historic context as expressions of cultural values and aspirations.

104 Introduction to the Visual Arts (3)
An analysis of artists and their works, forms and methods of visual expression, and examination of critical thinking as applied to visual form and content (P5).

120 Beginning Drawing and Sketching (1)
Experiments with a variety of drawing materials to familiarize the nonmajor with various approaches 2 Lab.

124 Beginning Ceramics (1)
Introduction to clay forming, firing, and glazing techniques for nonmajors 2 Studio.

125 Introduction to Calligraphy (1)
Basic calligraphy for nonmajors as appreciation of letter forms in visual elements 2 Studio.

131 Introductory Drawing (3)
Foundation course emphasizing mark making as a way of seeing and organizing ideas, using both perceptual and conceptual approaches Exit portfolio required 6 Studio.

132 Two-Dimensional Design (3)
Foundation course developing creative 2-D visual thinking and problem solving with connections to theory, criticism and practice Exit portfolio required 6 Studio.

136 Art History Survey I (3)
Ancient, medieval, and non-European art.

137 Art History Survey II (3)
Western art, Renaissance through modern.

141 Life Drawing (3, R6)
Foundation course using life models as resources for developing visual thinking, drawing ability and essential hand/eye skills Exit portfolio required PREQ 131 6 Studio.

142 Three-Dimensional Design (3)
Foundation course focusing on traditional and experimental 3-D techniques and media, using theory and criticism as problem-solving approaches Exit portfolio required 6 Studio.
202 Art of World Cultures (3)
Traditional and contemporary art of the indigenous peoples of the Americas, Africa, and the Pacific Rim from a social, ethnological, environmental, and religious viewpoint (P6)

233 Introductory Painting (3)
Emphasis on color theory and the materials and techniques of painting. Historical concerns are integral parts of directed and individual investigations. PREQ 131, 132, or permission of instructor 6 Studio

234 Introductory Printmaking (3)
Materials and methods of various printmaking techniques as they relate to historical and contemporary issues. PREQ 131, 132, or permission of instructor 6 Studio

241 Introductory Sculpture (3)
Principles and processes of sculpture, supported by critical thinking, class critique, historical, and contemporary references. PREQ 131 and 142 or permission of instructor 6 Studio

251 Introductory Ceramics (3)
Basic principles of ceramics technical, critical, and historical 6 Studio

263 Introduction to Art Education (1)
Introduction to current art education topics and approaches for teaching art in the traditional and nontraditional settings 2 Studio Spring only

270 Communication Design (3)
Principles of visual communications including structure, typography, color and semantics, emphasis on developing an understanding of the scope of graphic design including theory, practice, and technology. PREQ 132 6 Studio

306 Renaissance Art (3)
The Renaissance in Italy and northern Europe, major trends and personalities in art and architecture. PREQ 137 or permission of instructor

309 Seventeenth-and Eighteenth-Century Art (3)
Major baroque and rococo artists, architects, landscape, and urban designers in Europe. PREQ 137 or permission of instructor

312 Nineteenth-Century Painting (3)
Major figures and styles in European painting. PREQ 137 or permission of instructor

314 American Painting (3)
From colonial limners to contemporary art. PREQ 137 or permission of instructor

316 Development of Modern Art: Painting, Sculpture, and Architecture (3)
From Manet, Rodin, and Richardson to Post-Modernism in painting, sculpture, and architecture. PREQ 137 or permission of instructor

317 Origins of Modern Sculpture (3)
Academic sculpture in the nineteenth century Modernist innovations from Rodin to David Smith. PREQ 137 or permission of instructor

319 History of Design (3)
Survey of the development of graphic design from prehistory through contemporary visual communications, topics include typography, photography, illustration, and current conceptual and art historical issues. PREQ. Permission of instructor

320 Intermedia in Contemporary Culture (3)
Historical perspective of critical developments in visual media arts beginning with early twentieth century through the present. Examination of internet, broadcast, video, interactivity, and virtual media
330 Intermediate Drawing (3, R12)
The history and functions of drawing, drawing as a method of developing ideas and as an end itself, relationship to other media  
PREQ 141  6 Studio

333 Intermediate Painting (3, R12)
Materials, techniques, and aesthetic issues of painting in contemporary and abstract modes with focus on personal interpretation and perception  
PREQ 233  6 Studio

334 Intermediate Printmaking (3, R12)
Exploration of various printmaking techniques with focus on personal interpretation and perception  
PREQ 234  6 Studio

342 Intermediate Sculpture (3, R12)
Materials, techniques, and aesthetic issues of sculpture in contemporary and abstract modes with focus on personal interpretation and perception  
PREQ 241  6 Studio

350 Fibers (3, R12)
Exploration of weaving techniques and structural forms in fibers combined with the history of weaving and the critical evaluation of projects  
6 Studio

351 Intermediate Ceramics (3, R12)
Study of ceramics within a historical and contemporary context, emphasis on clay-forming techniques combined with class discussion and criticism  
PREQ 251  6 Studio

352 Jewelry and Metalsmithing (3, R12)
Basic principles of jewelry and metalsmithing, technical, critical, and historical  
6 Studio

354 Glass (3, R12)
Basic techniques of glassblowing and flat glass  
Conceptual, technical, critical, and historical issues will be emphasized  
6 Studio  
PREQ Permission of instructor

359 Introductory Book Arts (3)
Principles and techniques for producing handmade books, including papermaking, bookbinding, and printing  
Exploration of books as a format for developing concepts and imagery  
6 Studio

363 Art for Children (1)
Fundamentals for designing and implementing lessons to teach art to children in all educational settings  
Teaching diverse multicultural populations discussed  
4 Studio

365 Art Methods for the Elementary School (3)
Curriculum planning, exploration of age-appropriate art media, and methods for teaching art to diverse populations in the elementary school  
Field experience required  
PREQ 263  6 Studio

367 History and Philosophy of Art Education (3)
A study of art education as influenced by educational, philosophical, and socioanthropological developments throughout history  
PREQ 263, 363 Spring only

370 Graphic Design Studio Procedures (3)
Equipment, materials, and procedures of the professional graphic design studio  
Focus on creative expression and critical thinking through photomechanical and production techniques of the graphic arts industry  
PREQ 270  6 Studio

371 Intermediate Graphic Design (3)
Study of typography's interface with drawing and photography through contemporary modes of visual communication  
Readings, research, and discussions on critical thinking and aesthetic theory  
PREQ 270, 370, or permission of instructor  
6 Studio
372 Introductory Photography (3)
Camera operation, film processing, and darkroom printing combined with classroom critiques, emphasis on historical and current trends of black and white photography
6 Studio

373 Illustration (3, R6)
Focus on the development of concepts through methods of visual expression as a means of communicating ideas, problem-solving approaches with an emphasis on drawing, painting, color, and other modes of illustration PREQ 131 6 Studio

374 Introductory Typography (3)
Comprehensive analysis of letter forms, structural arrangements, and expressions through computer generated and traditional typographic procedures, emphasis on theoretical and practical aspects of applied typography 6 Studio

379 (ANTH 379) Cherokee Arts and Crafts (3)

389 Cooperative Education in Art (1 or 3, R15) See Cooperative Education Program

416 Contemporary Art (3)
Contemporary directions in the visual arts since 1945, emphasis on trends during the past five years PREQ 137 or permission of instructor

420 Intermedia in Contemporary Culture (3)
Historical perspective of critical developments in visual media arts beginning with early twentieth century through the present Examination of internet, broadcast, video, interactivity and virtual media

433 Advanced Painting (3, R12)
Emphasis on the exploration of abstract or figurative modes of painting and critical thinking within a contemporary context PREQ 333 6 Studio

434 Advanced Printmaking (3, R12)
Study of selected printing media through independent, self-directed projects under faculty supervision PREQ 334 6 Studio

440 Advanced Drawing (3, R12)
Perceptual and conceptual drawing design problems, emphasis on a drawing project augmented by discussion, readings, and critique PREQ 330 6 Studio

443 Advanced Sculpture (3, R12)
Emphasis on exploration of sculptural materials and critical thinking within a contemporary context PREQ 342 6 Studio

451 Advanced Ceramics (3, R12)
Emphasis on personal direction, critiques of current work, reading in history and criticism PREQ 351 6 Studio

459 Intermediate Book Arts (3, R12)
This course will explore a variety of possibilities for working with the book as an artist’s medium Students will investigate traditional bookbinding, nontraditional book formats, and a variety of image making techniques, including printmaking, while working towards an extended final project PREQ 234, 356 6 Studio

460 Computer Graphics Practicum (3, R6)
Production and experimentation with computer-generated imagery and investigation of software programs 6 Studio

463 Art Methods for the Middle and High School (3)
Curriculum planning, exploration of suitable art media and methods for teaching art to diverse populations at the middle and high school level PREQ 263, 365, admission to the teacher education program Field experience required 6 Studio
470 **Package Design (3)**
Fundamentals of package design and construction, use of materials, methods, and graphic procedures, experimentation, investigation, and critical interpretation of two- and three-dimensional forms  PREQ 370 or permission of instructor  6 Studio

471 **Advanced Graphic Design (3)**
Emphasis on personal exploration of materials and methods related to visual communications  PREQ 371  6 Studio

472 **Intermediate Photography (3, R12)**
Emphasis on personal direction and advanced technical problems  PREQ 372 or permission of instructor  6 Studio

474 **Portfolio (3)**
Professional preparation, including a portfolio of professional level work  A capstone course required of all senior BFA majors  PREQ Permission of instructor  6 Studio

475 **Intermediate Typography (3, R6)**
Emphasis on personal directions and advanced technical problems applied to typographic expression  PREQ 132, 370, 371, 374  6 Studio

476 **Advanced Photography (3, R12)**
Emphasis on personal interpretation and advanced technical solutions to guided projects  PREQ 472 or permission of instructor  6 Studio

479 **Animation (3, R6)**
Survey of animation techniques including object animation, character animation, experimental/video techniques, and motion graphics  Not intended as computer course but as instruction of related programs provided  PREQ  Permission of instructor

480 **Experimental Studio (3, R12)**
Theoretical and conceptual issues and modes of making art relevant to the contemporary or post-studio artist  PREQ Permission of instructor  6 Studio

482 **Independent Study in Art History (1-6, R6)**
PREQ Submitted proposal must be approved by instructor

483 **Art Internship (3, 3, 3)**
484 Directed work experience in a professional design studio
485 PREQ Permission of instructor  9 hours per week per course

486 **Exhibition Practicum (3)**
Organizational, administrative, and operational structures of an art gallery and museum, including the introduction of planning, curating, and installing professional art exhibitions

493 **Topics in Art (1-4, R12)**
PREQ Permission of instructor

494 **Art Honors Studio (3, R6)**
Honors studio for seniors culminating in exhibition of a body of work demonstrating commitment to quality and productivity  PREQ Permission of instructor  6 Studio

495 **Art History Seminar (3, R6)**
Detailed study of a topic in art history or criticism  PREQ Permission of instructor, senior standing

**Graduate Courses**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Restrictions</th>
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<tbody>
<tr>
<td>531</td>
<td>Drawing Problems (1-9, R12)</td>
<td>635</td>
<td>Book Arts Studio (1-9, R15)</td>
</tr>
<tr>
<td>532</td>
<td>Design Problems (3, R6)</td>
<td>644</td>
<td>Sculpture Studio (1-9, R15)</td>
</tr>
<tr>
<td>533</td>
<td>Painting Problems (1-9, R12)</td>
<td>651</td>
<td>Ceramics Studio (1-9, R15)</td>
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<td>534</td>
<td>Printmaking Problems (1-9, R12)</td>
<td>652</td>
<td>Metals Studio (1-9, R15)</td>
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<td>535</td>
<td>Book Art Problems (1-9, R12)</td>
<td>653</td>
<td>Graduate Weaving (3, R9)</td>
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<tr>
<td>544</td>
<td>Sculpture Problems (1-9, R12)</td>
<td>661</td>
<td>Imaging and Digital Studio (1-9, R15)</td>
</tr>
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</table>
## Arts and Sciences Interdisciplinary Courses (ASI)

### 100 Introduction to American Culture (3)
Survey of contemporary American culture: basic history, geography, cultural characteristics, and customs. 
**PREQ:** International student or permission of instructor. **COREQ:** ENGL 131 or permission of instructor.

### 230 Introduction to Women's Studies (3)
Introduction to a variety of disciplinary perspectives as they affect the status and roles of women in society.

### 250 Introduction to Appalachian Studies (3)
Interdisciplinary examination of Appalachia's culture, history, creative traditions, and natural environment to illuminate current issues. Field trips, projects, guest lectures.

### 293 Special Topics (1-4, R6)

### 300 University Forum for Contemporary Issues (1, R6)
Issues, problems, and developments of current interest presented by faculty and, occasionally, visiting scholars. **S/NC grading.**

### 393 Special Topics (3, R12)

### 450 Appalachian Studies Seminar (3)
Field-based, interdisciplinary capstone seminar of Appalachia's culture, history, creative traditions, and natural environment to illuminate current issues. Field trips, projects, guest lectures. 
**PREQ:** 250 and permission of instructor.

### 493 Topics in American Studies (3, R6)
Seminar on particular facets of American culture such as literature and art, philosophy and politics, and folklore and society.

### 494 Topics in Cherokee Studies (3, R6)
Various topics in Cherokee studies such as anthropology, history, sociology, and literature. Juniors will not be allowed to enroll in this course. **PREQ:** Permission of instructor.

### Graduate Courses

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>593</td>
<td>Topics in American Studies</td>
<td>3, R6</td>
<td></td>
</tr>
<tr>
<td>594</td>
<td>Topics in Cherokee Studies</td>
<td>3, R6</td>
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</table>

### Astronomy (AST)

### 101 Descriptive Astronomy (3-4)
Characteristics of solar stellar systems examined in terms of the technologies and attitudes of man. 3 Lecture, 2 Lab (lab is optional).
102 Introductory Observational Astronomy (3)
An observationally based introduction to astronomy. To include naked eye and telescopic observations, and laboratory activities. Topics include planets, stars, nebulæ, galaxies, and hypothermia prevention (P2)

103 The Solar System (3)
A descriptive introduction to our solar system from a historical and evolutionary perspective (P2)

104 Cosmic Evolution (3)
A descriptive introduction to stars, galaxies, and the universe, from an evolutionary perspective (P2)

301 Modern Astronomy (3)
Techniques of measurement and research. PREQ 230. 2 Lecture, 1 Lab

Graduate Courses
601 Astronomy for Teachers (3)

Biology (BIOL)

102 Human Genetics (3)
Principles of biology relative to development of human hereditary characteristics. 2 Lecture, 2 Lab (P2)

103 Environmental Biology (3)
Principles of biology relative to ecology and modern environmental problems. Ecosystem structure and function, population growth, food production, pollution, and resource use. 2 Lecture, 2 Lab (P2)

104 Human Biology (3)
The biology which underlines medical, social, and developmental issues of the human lifecycle. 2 Lecture, 2 Lab (P2)

105 Biology in the 21st Century (3)
Modern biology from a cellular and molecular perspective, emphasizing cell structure, function, genes and genetic engineering, disease and evolution. 2 Lecture, 2 Lab (P2)

108 Recreational Botany (1)
Identification of native plants on campus and in the field using popular plant guides, derivation of plant names, food and medicinal uses of plants. Two Saturday hikes required. 2 Field

130 General Botany (4)
Diversity in plants. Structure, phylogeny, classification, life histories, and aspects of the physiology of algae, fungi, bryophytes, and vascular plants. 3 Lecture, 3 Lab

131 General Zoology (4)
Evolutionary relationships, functional morphology, physiology, and natural history of the major groups of animals. Dissections and other lab exercises emphasize functional morphology. 3 Lecture, 3 Lab

132 Human Genetics in Society (3)
Study of inheritance and development of human characteristics and the relationship of genetics to society. PREQ 101 or permission of instructor

140 Principles of Biology I (4)
Introduction to biology for majors. Basic cell structure and function, bioenergetics, introduction to genetics and molecular biology, evolutionary processes. COREQ 140 lecture and 140 lab. 3 Lecture, 3 Lab (Lecture-3 credits, Lab-1 credit) (Lab is required)
141 Principles of Biology II (4)
Second course for biology majors Evolutionary patterns (Monera, Protista, Fungi, Plants, and Animals), introduction to plant and animal physiology, organismic interactions (Behavior, Ecology) PREQ 140 COREQ 141 lecture and 141 lab 3 Lecture, 3 Lab (Lecture-3 credits, Lab-1 credit) (Lab is required)

190 Discoveries in Biology (3)
Discoveries in biology used as the basis for exercises involving analysis of scientific reasoning, the scientific method, and experimental design (P2)

192 Plant Biodiversity (3)
Southern Appalachian plant diversity as a background in botanical sciences Experience with field identification techniques and human use of plants in medicines, foods, and fiber 2 Lecture, 2 Lab (P2)

193 Forensic Biology (3)
An exploration of techniques, applications, and social implication of forensic biology, including the science behind fingerprints, blood typing, DNA fingerprints, and other forensic areas (P2)

194 Biotechnology: Methods, Applications, and Implications (3)
This course addresses the methods used in Biotechnology and their use in genetic engineering of bacteria, plants, animals, and ethical considerations associated with biotechnology (P2)

251 Natural History of the Southern Appalachians (4)
Interdisciplinary study of this unique environment, on-site studies, scheduled pack trips PREQ 141 2 Lecture, 6 Lab

254 Dendrology (4)
Structure, distribution, identification, and economic uses of major forest trees of the United States, emphasis on regional species 2 Lecture, 6 Lab/field

291 Human Anatomy and Physiology (4, 4)
292 The skeletal, muscular, digestive, circulatory, respiratory, excretory, integrative, and reproductive systems PREQ Completion of 24 semester hours 3 Lecture, 3 Lab

304 General Ecology (3)
Ecosystem and population processes, pathways of energy and materials, interactions between organisms and populations and human role in the biosphere PREQ 141 or permission of instructor COREQ 304 lecture and 304 lab 2 Lecture, 3 Lab (Lecture-2 credits, Lab-1 credit) (Lab is required)

305 Genetics and Evolution (3)
Processes on inheritance and evolution from the molecular to the population level, experiments with various organisms and analysis of sample data illustrating principles of genetics PREQ 141 or permission of instructor COREQ 305 lecture and 305 lab 2 Lecture, 3 Lab (Lecture-2 credits, Lab-1 credit) (Lab is required)

311 Animal Physiology (2)
Principles of homeostasis, cell and tissue communication systems, contractility, respiration, excretion, and metabolism in animals PREQ BIOL 141 and CHEM 140

313 Microbiology in Health and Nutrition (3)
Morphological, cultural, biochemical, and staining characteristics of microorganisms, emphasis on those that infect man and occur in water, food, and dairy products PREQ Permission of instructor 2 Lecture, 3 Lab

315 Introduction to Plant Physiology (1)
Introduction to plant metabolism, conduction, development, and defense mechanisms PREQ BIOL 141 and CHEM 140 1 Lecture, 1 Lab
333 **Cell and Molecular Biology (3)**
Viral, prokaryotic, and eukaryotic cell structure, DNA structure and replication, RNA and protein synthesis, control of gene expression. Structure and function of specific cell types. PREQ 141 and 305 or permission of instructor. COREQ 333 lecture and 333 lab. 2 Lecture, 3 Lab (Lecture-2 credits, Lab-1 credit) (Lab is required)

361 **(CHEM 361) Principles of Biochemistry (3)**

373 **Invertebrate Zoology (4)**
Morphology, physiology, behavior, ecology, and evolution of invertebrates. PREQ 141. 2 Lecture, 6 Lab

374 **Vertebrate Zoology (4)**
Morphology, physiology, behavior, ecology, and evolution of vertebrates. PREQ 141 or permission of instructor. 2 Lecture, 6 Lab

389 **Cooperative Education in Biology (1 or 3, R15)** See Cooperative Education Program.

413 **Principles of General Microbiology (2)**
Survey of microorganisms emphasizing morphology, physiology, immunology, and ecology. Microorganisms and disease, environmental and applied microbiology. Not open to students with credit in 313.

414 **Methods of General Microbiology (2)**
Microscopy, morphological, cultural, physiological, and serological characteristics of microorganisms, microbiology of food, milk, water, and soil. COREQ 413. 6 Lab

415 **Plant Physiology (4)**
Aspects of plant metabolism, water relationships, transport, development, and defense mechanisms. PREQ BIOL 141 and CHEM 140. 3 Lecture, 3 Lab

416 **Plant Molecular Biology (3)**
Molecular aspects of plant development. Examination of the structure, expression, and function of genes involved in the flowering plant life cycle, including genes controlling embryogenesis, vegetative growth, plant-pathogen interaction, and reproduction. PREQ 333 or equivalent.

417 **Biochemistry (3)**
The metabolism of carbohydrates, lipids, nucleic acids, and proteins in plant and animal systems. PREQ BIOL 304, 305 and CHEM 242, 272, or permission of instructor.

419 **Cell Biology (4)**
Structure, function, and techniques for the study of cells. 3 Lecture, 3 Lab

420 **Darwin’s Origin of Species (3)**
A detailed reading and analysis of Darwin’s landmark work, *On the Origin of Species*. Examining its historical and philosophical context, and its social and scientific significance. PREQ 140, 141, 304, and 305 or equivalent.

425 **Flora of the Southern Appalachians (4)**
Taxonomy of the flowering plants of the region, family relationships, use of keys for identification, and recognition, collection, documentation, and preservation of specimens. One weekend field collecting trip. PREQ 141. 2 Lecture, 6 Lab

434 **Terrestrial Ecology (4)**
Population, ecosystem, community structure, and dynamics. Major North American biomes, field and descriptive methods. Required weekend field trips. PREQ 304 and 305. 2 Lecture, 6 Lab/field

435 **Aquatic Ecology (4)**
Biological, physical, and chemical components and processes in lakes and streams. Field studies of local lakes and their biota. PREQ 304. 2 Lecture, 6 Lab
443 Evolutionary Processes (3)
Mechanisms of evolution, emphasis on current research and hypotheses such as group and kin selection, r and K selection, and sympatric speciation  PREQ 304 and 305

451 Biology of Fungi (4)
Slime molds and true fungi life histories, morphology, host-parasite relationship, fine structure, and phylogeny  PREQ 141

452 Plant Anatomy (4)
Plant cells, tissue organization in phylogenetic perspective, botanical microtechniques  PREQ 141 3 Lecture, 3 Lab

453 Principles of Systematics (4)
Principles and methods used in describing animal and/or plant taxa and in testing hypotheses of evolutionary relationship, individual research projects on the systematics of selected taxa  PREQ 305 3 Lecture, 3 Lab

455 Vascular Plants (4)
Biology of higher plants club and small club mosses, quill worts, scouring rushes, ferns, gymnosperms, and angiosperms in living and fossil form  PREQ 141 3 Lecture, 3 Lab

457 Biology of Algae (4)
Life histories, morphology, reproduction, and phylogeny of the algae 3 Lecture, 3 Lab

466 Aquaculture (1)
Commercial practices for the intensive production of fish, review of the elements involved in aquaculture systems with examples of aquatic farming and examination of problems related to industry  PREQ 141 and 304 or permission of instructor

467 Biostatistics (3)
Statistical concepts and methods for biologists Design of experiments for computer analysis by ANOVA, single or multiple regression, principal components An elementary statistics course is recommended 2 Lecture, 2 Lab

470 Biology of Arthropods (4)
Functional morphology, physiology, natural history, and systematics of the arthropods, field/lab emphasis on spiders  PREQ 141 2 Lecture, 6 Lab

471 Animal Behavior (4)
Mechanisms, development, functional significance, and evolution of behavior, individual research projects, films, and discussions in lab  PREQ 141 or permission of instructor 3 Lecture, 3 Lab

473 Microbial Ecology (4)
Ecology of archaea and bacteria Population and community detection, diversity, and roles in biogeochemical cycling using cultivation and molecular techniques  PREQ BIOL 304 and 413, or BIOL 414 COREQ BIOL 473 Lab 3 Lecture, 3 Lab

475 Animal Development (4)
Development in animals gametogenesis, fertilization, cleavage, gastrulation, organogenesis, embryonic adaptations, differentiation, and growth  PREQ 304 and 305 3 Lecture, 3 Lab

476 Contemporary Fisheries (3)
Biological concepts and alternative management practices involved in the protection, conservation, restoration, augmentation, and cultivation of fisheries resources  PREQ 141 and 304 or permission of instructor 2 Lecture, 2 Lab

480 Research in Biology (2, R6)
PREQ Junior standing, permission of research director
493 Studies in Biology (1-6, R12)  
PREQ Permission of department head

495 Introduction to Senior Thesis (1)  
Designed to introduce experimental design and assist in selection of a senior thesis project  
PREQ Permission of department head

496 Senior Seminar (1)  
PREQ 140, 141, 304, 305, and 333, or permission of instructor

498 Senior Thesis I (2)  
Directed research conducted in the first semester of the senior year  
PREQ Permission of department head

499 Senior Thesis II (1)  
Senior thesis and oral presentation following completion of directed undergraduate research  
PREQ 498

Graduate Courses

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
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<td>Principles of General Microbiology (2)</td>
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<td>Methods of General Microbiology (2)</td>
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<td>Plant Physiology (4)</td>
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<td>Plant Molecular Biology (3)</td>
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<td>Biology of Fungi (4)</td>
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<td>Principles of Systematics (4)</td>
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<td>Vascular Plants (4)</td>
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<td>Biology of Algae (4)</td>
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<td>Aquaculture (1)</td>
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<td>Biostatistics (3)</td>
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<td>Introduction to Graduate Studies in Biology (2)</td>
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<td>Thesis Research (3, R12)</td>
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<td>799</td>
<td>Continuing Research - Thesis Option (2, R24)</td>
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Birth-Kindergarten (BK)

250 Introduction to Birth-Kindergarten (3)  
Introduction to the Birth-Kindergarten major and profession  
2 Lecture, 1 Lab

260 Foundations of Child Study (3)  
Childhood in western culture from a multidisciplinary perspective  
Emphasis on the philosophical roots of the early childhood model and its role in educational reform

361 Environments for Young Children (3)  
The physical, emotional, and social environment suitable for young children, room arrangement, scheduling, space utilization, and teacher-child interaction

363 Child Development (3)  
Physical, emotional, social, and mental development from birth through middle childhood  
2 Lecture, 2 Lab

366 Infant Development and Curriculum (3)  
Dynamics of infant development and curriculum for both typical children and children with, or at risk, for disabilities  
2 Lecture, 3 Lab

462 Adult-Child Interaction (3)  
Various cultural paradigms influencing behavior of adults regarding children's discipline  
Facilitation of self-management through nonverbal and verbal communication, and the dimensions of play
463 Computer Applications for Early Childhood Professionals (3)
The advancement of basic technology and multimedia for developing an electronic content/technology portfolio

465 Portfolio Development and Assessment (3, R6)
Documentation of artifacts illustrating BK knowledge and pedagogical expertise as required by the BK state program of study

470 (EDEL, SPED) Early Childhood Curriculum (3)
Materials, environments, and interactions for 2-5 year olds in all curricular areas including thinking and social problem-solving for children with and without disabilities 2 Lecture, 3 Lab

480 Independent Study (1-3, R6)
PREQ Permission of instructor

483 (EDEL, SPED) Internship (4, R16)
Observing, planning, teaching, and evaluating young children with and without disabilities in a variety of settings COREQ BK/EDEL/SPED 496 5 days/week, full-time

488 (EDEL) Internship II (9)
Observing, planning, teaching, and evaluating young children with and without disabilities in a variety of settings

493 Special Topics (1-3, R6)
Current topics in birth-kindergarten development and curriculum

496 (EDEL, SPED) Internship Seminar (1, R4)
The interrelationships of theory and practice in the context of experience COREQ BK 483

Business Administration (BA)

133 Introduction to Business (3)
Principles of business, forms of organizational structure, marketing strategies, financial institutions, quantitative tools, management information systems, and international implications (P1)

293 Topics in Business Administration (1-6, R6)
PREQ Permission of the dean

304 Business Communications in a Multicultural Environment (3)
Analysis of the multicultural workforce and its impact on the communicating process
Studies of effective leadership styles, protocols, and negotiating skills will be examined through case studies, debates, and current research

393 Topics in Business Administration (1-6, R6)
PREQ Permission of the dean

480 Independent Research (3)
Supervised, student-initiated research project PREQ Permission of department head

493 Topics in Business Administration (1-6, R6)
PREQ Permission of the dean
Graduate Courses
589 Cooperative Education Experience (3)
593 Current Topics in Business Administration (1-3, R10)
693 Topics in Business Administration (3, R6)
779 Continuing Research, Non-Thesis Option (1, R4)

Business Law (LAW)

105 Introduction to Law (3)
Study of the relationship between the individual, law and society, structure of the system for dispute resolution in a legal and social context, role that law plays in a complex society (P1)

141 Legal Thought, Reasoning, and Implications (3)
Analysis, synthesis, and integration of law and the contemporary legal system through the study of the court's thinking, reasoning, and expression

195 Contemporary Legal Issues (3)
The social change through the legal environment, legal institutions in various cultures, the impact on other social institutions, and the interpretation and analysis of interrelationships (P1)

201 Individual Rights (3)
Philosophical and historical aspects of individual rights, and interpretation of constitutional provisions as applied by courts in public, private and business situations (P4)

205 Legal Issues and Institutions (3)
Social change through the legal environment, legal institutions in various cultures, impact on other social institutions, interpretation, and analysis of interrelationships

230 Legal Environment of Business (3)
Social responsibility of business, ethics, legal concepts, and legislation and administrative decisions having an impact on business

275 Business Associations (3)
Agency, Unincorporated Business Associations, and Corporations

302 Legal Research and Contemporary Legal Problems (3)
Research and study of the relationship of law to the structure of society, study of prominent court decisions reflecting changes dictated by societal movements and civil litigation PREQ 230

303 Consumer Protection (3)
General products liability laws, federal and state legislation, and consumer credit and reporting

306 Women and the Law (3)
The study of the legal history of issues relating to women, case-law and legal precedent, statutory and constitutional law, and current legal issues surrounding women PREQ Junior standing

315 Athletics and the Law (3)
Legal issues and litigation affecting sports

320 International Business Law (3)
Regulation of transnational business in the global environment by individual and international organizations PREQ 230 or permission of instructor

331 Contracts and Sales (3)
Law of contracts, sales, and Uniform Commercial Code
389 Cooperative Education in Business Law (1 or 3, R15) See Cooperative Education Program

393 Topics in Business Law (1-3, R6)

402 Hospitality Law (3)
Legal issues and litigation affecting the hospitality industry PREQ Junior standing

403 Property and Estates (3)
Legal aspects of buying and selling real estate, federal and state taxation, and estate planning and administration

406 Media Law (3)
Study of legal issues which affect the media defamation, privacy rights, advertising regulation, indecent speech, broadcast programming, and press coverage of the administration of justice (P1)

410 Witnesses and Evidence (3)
Persuasion, evidence, and presumptions, introduction and exclusion of evidence, examination, opinions, and competency of witnesses, testimonial and constitutional privileges, pretrial communications, real, scientific, and hearsay evidence

412 Business Ethics and Corporate Social Responsibility Theories (3)
Ethical theory and decision making in the market, corporation as a moral agent, ethics as a component in strategic decision making, and government regulations and fiduciary obligations PREQ Junior standing

415 Legal Aspects of Business Management (3)
A capstone course involving a comprehensive study of legal considerations in developing and managing a business PREQ 230, 275, 331

430 Construction Contracts and Law (3)
An overview of standard construction contracts traditionally used between contractors, owners, architects, and subcontractors from a general contractor point of view PREQ 230 or permission of instructor

440 Labor and Employment Law (3)
Legal aspects of industrial relations, arbitration, bargaining, strikes, and labor practices, employment dispute resolution and federal employment laws

480 Independent Research in Business Law (3)
PREQ Business law major, permission of department head

483 Internship in Business Law (3, 3, 3)

484 Supervised experience in applications of previously studied theory S/U grading
485 PREQ Junior standing, 2.0 GPA, permission of department head Minimum of 10 hours per week

Graduate Courses
630 International Law (3)
693 Topics in Business Law (1-3, R6)
695 Seminar in Business Law (3)

Chemistry (CHEM)

101 Chemistry in Society (3)
Introduction to chemistry emphasizing the impact of chemistry and scientific reasoning on society 2 Lecture, 2 Lab (P2)

132 Introductory Chemistry (4)
Basic chemistry, atomic structure, chemical bonding, stoichiometry, acid/base, lab introduction to experimentation 3 Lecture, 2 Lab
133 **Survey of Organic and Biochemistry (4)**
Survey of the major functional classes of compounds in organic and biochemistry, including structure and nomenclature, chemical and physical properties, and common uses. PREQ: 132 or 140. 3 Lecture, 2 Lab

140 **Advanced General Chemistry (4)**
Bonding, thermochemistry, equilibria, acid/base principles, kinetics, and redox chemistry. Laboratory uses an inquiry-based approach. PREQ: High school chemistry and placement into MATH 145 or 146.

171 **Inquiries Into Chemistry (1)**
A discovery-based laboratory featuring guided inquiries into chemistry using current technologies. PREQ: 140, permission of instructor or department head. 3 Lab

190 **Chemistry in Industry (3)**
Principles of chemistry applied to industrial activities and the modern world. Scientific, economic, social, and ethical considerations will be discussed. (P2)

191 **Issues in Environmental Chemistry (3)**
Study of scientific concepts and facts relating to environmental issues. Topics will include environmental ethics, air and water pollution, recycling, food production, and agricultural chemistry. (P2)

232 **Quantitative Analysis (3)**
Theory and practice of methods to quantitatively determine chemical compounds, including equilibria, titrations, redox reactions, and spectrophotometry. PREQ: CHEM 140, MATH 146 or equivalent. 2 Lecture, 3 Lab

241 **Organic Chemistry I (3)**
Aliphatic and aromatic compounds of carbon, relationships between structure and reactivity. PREQ: 140.

242 **Organic Chemistry II (3)**
Continuation of 241, introductory theory of instrumentation and applications of spectral methods in structure determination. PREQ: 241.

272 **Organic Chemistry Lab (2)**
Synthetic organic techniques and contemporary methods of analysis including NMR, FT-IR, and GC. PREQ or COREQ: 242. 6 Lab

311 **Industrial Chemistry (3)**
Processes, operations, marketing, and management in chemical manufacturing. PREQ: 242, 370.

321 **Inorganic Chemistry (3)**
Physical and chemical properties of the elements and their compounds, emphasis on chemical reactions. PREQ: 241.

330 **Aquatic Chemistry (2-3)**
The sources, reactions, transport, and effects of chemical species in water. Topics include phase interactions, aquatic microbial biochemistry, water pollution, and treatment. PREQ: 133 or 241. 2 Lecture, 3 Lab. (Lab is not available to chemistry majors).

352 **Physical Chemistry I (3)**
Introduction to chemical thermodynamics and kinetics. PREQ: 242, MATH 140 or 153.

361 (BIOL 361) **Principles of Biochemistry (3)**
Structures and properties of biomolecules, central principles of metabolism. PREQ: 242.
370 Instrumental Analysis I (3)
Introduction to instrumental methods, including gas and liquid chromatography, atomic, ultraviolet/visible, infrared, and fluorescence spectroscopy, and photometric methods  PREQ 140  2 Lecture, 3 Lab

371 Chemical Dynamics (2)
Measurements and data treatment of the dynamics (e.g., kinetics, thermodynamics) of chemical systems  PREQ 370  6 Lab

372 Chemical Syntheses (2)
Multistep synthesis of inorganic and organic compounds  PREQ 370  6 Lab

380 Research in Chemistry (2, R8)
Chemical research projects for individual students  PREQ 2.5 GPA in major and permission of instructor  6 Lab

389 Cooperative Education in Chemistry (1 or 3, R15) See Cooperative Education Program

421 Advanced Inorganic Chemistry (3)
Survey of structure and bonding in inorganic compounds, acid-base theory, coordination complexes of transition metals and fundamentals of crystal-field and ligand-field theory  PREQ 321 and 352  COREQ 453

432 Instrumental Analysis II (3)
Advanced environmental, biological, and materials applications of modern chemical instrumentation  PREQ 370  PREQ or COREQ 352

441 Advanced Organic Chemistry (3)
Synthetic methods and mechanistic study to include selected topics emphasizing the relationships between structure and reactivity  PREQ 242, 370

442 Introduction to Organic Polymers (3)
Linear and cross-linked polymers and selected topics emphasizing relationships between structure and properties  PREQ 370

453 Physical Chemistry II (3)
Quantum mechanics, introduction to molecular spectroscopy and applications of thermodynamics  PREQ 352, MATH 255, and PHYS 230  COREQ 421

454 (PHYS 454) Computer Interfacing (3)
Digital logic, computer design, and interfacing with laboratory instruments  PREQ Permission of instructor  2 Lecture, 3 Lab

461 Environmental Chemistry (3)
Sources, reactions, transport, effects, and fates of chemical species in water, soil, air, and living environments  PREQ 352

462 Molecular Bioinformatics (3)
Provides experience in the computer analysis of DNA and protein sequences, interrogating gene bank databases, and predicting protein structures and functions  PREQ 361 or permission of instructor  2 Lecture, 3 Lab

470 Advanced Instrumental Analysis Laboratory (1)
Practical environmental, biological, and materials applications of modern chemical instrumentation  PREQ 370  3 Lab

493 Topics in Chemistry (1-3, R6)
PREQ Junior standing and permission of department head  1-3 Lecture, 6-0 Lab
495 Seminar in Chemistry (1, R4)
    2 Seminar

Graduate Courses

532 Instrumental Analysis II (3)                        691 Topics in Chemical Education (1-3, R9)
541 Advanced Organic Chemistry (3)                     692 Topics in Inorganic Chemistry (3, R6)
542 Introduction to Organic Polymers (3)               693 Topics in Analytical Chemistry (3, R6)
553 Physical Chemistry II (3)                           694 Topics in Organic Chemistry (3, R6)
554 Computer Interfacing (3)                            695 Topics in Physical Chemistry (3, R6)
561 Environmental Chemistry (4)                         696 Seminar (1, R3)
562 Molecular Bioinformatics (3)                        698 Research in Chemistry (3, R15)
589 Cooperative Education in Chemistry (3, R6)          699 Thesis (3, R9)
593 Topics in Chemistry (1-3, R6)                       779 Continuing Research - Non-Thesis Option (1, R10)
621 Graduate Inorganic Chemistry (3)                    799 Continuing Research - Thesis Option (2, R24)
652 Graduate Physical Chemistry (3)                     

Cherokee (CHER)

101 Experiencing Cherokee and the Cherokee-Speaking World (3)
    Students develop basic knowledge of the Cherokee-speaking world. Using linguistic and content-based material, students will learn basic Cherokee (P6)

132 Elementary Cherokee II (3)
    Continued audio-lingual practice of basic imperatives, idioms on the imperative stem, verbs of motion and locationalis, and basic complement types  PREQ 101

231 Intermediate Cherokee I (3)
    Review and continuation of oral and written grammar, selected readings, and lab practice may be assigned  PREQ 132

232 Intermediate Cherokee II (3)
    Readings and discussions on Cherokee culture, emphasis on pre-removal culture and its traces in language and readings in specialized areas  PREQ 231

351 Phonetics and General Linguistics (3)
    Introduction to linguistics, the Cherokee sound system from a phonetic and allophonic view, grammatical categories, morphology, syntax  PREQ Permission of instructor

Chinese (CHIN)

131 Beginning Chinese I, II (3, 3)
132 Elements of understanding, speaking, reading, and writing Chinese, concepts of grammar, lab practice required  3 Lecture, 1 Lab

Clinical Laboratory Sciences (CLS)

275 Introduction to Clinical Laboratory Science (1)
    Introduction to the profession for those planning a career in medical technology, emphasis on accreditation, certification, ethics, and job analysis

300 Microscopy/Phlebotomy (1)
    Electronics, optics, and principles of light applied to lab instrumentation, troubleshooting and preventive maintenance, and blood collection and specimen handling  PREQ Admission to CLS sequence  2 Lab

301 Analysis of Body Fluids (3)
    The physiology and microscopic-chemical examination of urine, spinal fluid, semen, and gastric constituents  PREQ Junior standing in CLS  2 Lecture, 3 Lab
303 Basic Hematology (3)  
Formation and function of cellular components of blood, hematological procedures, and coagulation  
PREQ Admission to CLS sequence  2 Lecture, 3 Lab

304 Immunology (3)  
Host-parasite relationships, formation and function of antibodies, the immune responses in disease processes  
2 Lecture, 3 Lab

305 Clinical Parasitology (2)  
Medically important protozoans, cestodes, trematodes, and nematodes encountered in the laboratory  
PREQ Junior standing in CLS  1 Lecture, 3 Lab

306 Immunohematology (4)  
The study of blood component therapy  
PREQ 303, 304, CLS major  2 Lecture, 4 Lab

308 Advanced Hematology (3)  
Hematological states involving classification of anemias, leukemias, enzyme deficiencies, platelet anomalies, and coagulation disorders  
PREQ 303  2 Lecture, 3 Lab

309 Clinical Biochemistry (3)  
Clinical parameters measuring the biochemical makeup of body fluids and results of lab tests related to disease states  
PREQ CHEM 361  2 Lecture, 3 Lab

311 Basic Medical Microbiology (3)  
Bacterial physiology as related to disease production, isolation and identification of organisms using current medical laboratory procedures  
2 Lecture, 3 Lab

312 Advanced Medical Microbiology (3)  
Mechanisms of disease production of mycobacteria, viruses, fungi, and emerging pathogens, isolation and identification of specific organisms by traditional as well as molecular diagnostic methods  
2 Lecture, 3 Lab

389 Cooperative Education in Medical Technology (1 or 3, R12)  
PREQ HSCC 389  See Cooperative Education Program

406 Laboratory Management (2)  
Organization and administration of the clinical laboratory  
PREQ CLS major  1 Lecture, 2 Lab

480 Independent Study (1-2)  
PREQ Permission of instructor

485 Clinical Practicum in Urinalysis (2)  
PREQ 301  6 Clinic

486 Clinical Practicum in Hematology (3-5)  
PREQ 308  9-15 Clinic

487 Clinical Practicum in Blood Banking and Serology (3-5)  
PREQ 306  9-15 Clinic

488 Clinical Practicum in Microbiology (3-5)  
PREQ 302, 305, 307  9-15 Clinic

489 Clinical Practicum in Clinical Chemistry (3-5)  
PREQ 309  9-15 Clinic
Communication—Core (CMCR)

140 Introduction to Communication Media (3)
Survey of the history, function, and economics of the communication industry

150 Interpersonal Communication (3)
Basic theory and skills in interpersonal communication including gender, nonverbal, listening, and interviewing skills

190 A User's Guide to the Mass Media (3)
Analysis of the practical, theoretical, historical, social and cultural contexts of mass media, the techniques they use, and the impact of those techniques  3 Seminar (P1)

250 Public Communication (3)
Basic principles of skills in public and group communication  PREQ ENGL 102

301 Writing for Communication Media (3)
Elements of news, news values, basic interviewing techniques, writing principles and fundamentals, styles used in journalism, broadcasting, advertising, and public relations  PREQ  ENGL 102, CMCR 140

350 Communication Theory (3)
Survey of theoretical genres used across communication disciplines  PREQ 140, 150

351 Communication Research (3)
This course is an introduction to the methods and practices of communication research  Students will be required to design and conduct a research project  PREQ 3 credits in statistics, CMCR 350

389 Cooperative Education in Communications (1 or 3, R 9)
See Cooperative Education Program  PREQ Completed 60 hours and permission of department head

401 Editing for Communication Media (3)
Elements of critical thinking and analysis fundamental to the editorial process in communication media  PREQ 301 and 350

465 Communications Ethics and Responsibilities (3)
The legal and moral responsibilities of communicators in the communication industry  PREQ 90 or more hours

483 Internship in Communications (3, R9)
Work experience in the communication industry  S/U grading  PREQ Completed 60 hours and permission of department head  9 hours per week, per 3-hour course

494 Communication Projects (1-3, R6)
Practical experience, performance, research in debate, forensics, film, electronic, and print media  PREQ Permission of instructor

496 Seminar in Professional Development (1)
The development and evaluation of professional credentials for entry into the communication industry
Communication—Electronic Media (CMEM)

351 Comparative Studies in Film/TV (3)
Evaluative study of the relationship between the film and television industries, historical perspectives, techniques and impact, emphasis on the language of video
PREQ CMCR 301 or permission of instructor 3 Lecture, 2 Lab

352 Writing for Broadcast (3, R6)
Writing commercials, public-service announcements, station promotions, and short educational/entertainment features for radio and television
PREQ CMCR 301 COREQ 354 and/or 355

354 Radio Production I (3)
Practical course in production of radio commercials, public-service materials, and news actualities
PREQ CMCR 301 COREQ CMEM 352

355 Television Production I (3)
Producing and directing various television programs and productions, emphasis on studio operations
PREQ CMCR 301 COREQ CMEM 352

356 Electronic Media Law and Regulation (3)
This course is intended to help students understand the major issues and regulations facing the electronic media industry
PREQ CMCR 301

450 Directing for the Camera (3)
The art of directing on-camera performances
PREQ 355

451 Advanced Studies in Film and Television (3)
Advanced studies in technical analysis and sociological impact of film and television
PREQ 351 or permission of instructor

454 Radio Production II (3)
Editing and related technical skills
PREQ 354 or permission of instructor

455 Television Production II (3)
Continuation of 355 and emphasis on field production, editing, and related technical/creative skills
PREQ 355

456 Broadcast Operations (3)
Principles of management in radio, television, and cable at the local and network levels
PREQ 356

457 Radio and Television Programming (3)
Techniques of programming for AM, FM commercial, and FM educational radio, educational and commercial television, cable and satellite operations
PREQ 354 or 355

458 Broadcast Sales and Promotion (3)
Introduction to the skills involved in selling broadcast time and broadcast promotions
PREQ 354 or 355

459 Broadcast News (3)
Finding sources of information, developing interview techniques, and writing news for radio and television, emphasis on completing tasks under deadline conditions
PREQ 354 or 355
493 Selected Topics in Electronic Media (3, R9)
Study in a special area of interest in electronic media

Graduate courses
593 Selected Topics in Electronic Media (3)

Communication—Human Communication (CMHC)

201 Introduction to Speech Communication (3)
Basic principles of communication skills and theory in interpersonal, small group, and public communication PREQ ENGL 101 (C3)

300 Foundations of Oral Communication (3)
Required of any undergraduate who receives two oral competence condition (OCC) marks

314 Professional Speaking (3)
Advanced principles of public communication skills as related to professional speaking PREQ CMCR 250

411 Rhetorical Theory and Criticism (3)
Ancient and modern concepts and theories, and application to rhetorical acts

414 Gender Communication (3)
An examination of the communication behavior of women and men in different contexts, existing communication differences dealing with self-perception, information processing, verbal and nonverbal coding, images of women and men

415 Intercultural Communication (3)
Nature of intercultural communication, variables of both culture and communication, and the impact on intercultural communication in our ever-changing world

Graduate Course
593 Selected Topics (3)

Communication Training and Development (CMTD)

315 Organizational Communication (3)
Channels of oral communication in complex organizations and organizational influences on communication

316 Communication Training and Development (3)
This course provides an introduction to the theory, methods, and techniques of communication training and development PREQ 315 or permission of instructor

412 Small Group Communication (3)
Techniques for participation in small groups, roles of group leader and participant, practice in problem-solving deliberation PREQ 315 and 316 or permission of instructor

413 Conflict Resolution (3)
Overview of the theories and applied techniques of conflict resolution, emphasis in acquiring specific conflict resolution skills in group, interpersonal, organizational, and intercultural contexts PREQ 315 or permission of instructor

493 Selected Topics in Communication Training and Development (3, R9)
Study in a special interest in communication training and development
Communication—Print Media (CMPM)

302 Reporting of Public Affairs (3, R6)
Advanced reporting course on selected public affairs topics  PREQ CMCR 301

303 Advertising and Public Relation Writing (3)
Writing persuasive messages for selected audiences in public relations, advertising and promotions, and mass media  PREQ CMCR 301

304 Magazine and Feature Writing (3)
Writing feature material for newspapers and magazines  PREQ CMCR 301

305 Sports Writing (3)
Fundamentals of sports reporting for print media  PREQ CMCR 301

306 Introduction to Multimedia (3)
Use of computers to present and combine text, graphics, audio, and video

402 Print Media Production (3)
Layout, design, and production for print media  PREQ CMCR 350

403 Association Communications (3)
The development and operation of effective communications programs for nonprofit organizations  PREQ CMCR 401

404 Desktop Publishing (3, R6)
The use of personal computers and peripherals to produce publications and promotional materials  PREQ Permission of the instructor

406 Advanced Multimedia (3)
Advanced course on use of computers to present and combine the text, graphics, audio, and video, with emphasis on creative student projects  PREQ CMPM 306 or permission of instructor

493 Selected Topics in Print Media (3, R9)
Study in a special area of interest in print media

Graduate courses
593 Selected Topics in Print Media (3)

Communication—Public Relations (CMPR)

360 Introduction to Public Relations (3)
The study of the management function of controlling an organization’s communication with its publics

365 Public Relations Case Studies (3)
Analysis and critique of the theories, strategies and factors used in classic and contemporary public relations campaigns and programs  PREQ 360

460 Public Relations Campaigns (3)
Identification and analysis of organizational publics, the development of specific communication strategies to influence those publics, and the implementation and evaluation of those communication strategies  PREQ 360 PREQ or COREQ CMPM 404
493 Selected Topics in Public Relations (3, R9)
Study in a special area of interest in public relations  PREQ 360

Graduate courses
593 Selected Topics in Public Relations (3)

Communication—Theatre Arts (CMTA)

102 Theatre Production: Stagecraft (1)
Hands-on participation in the construction/painting of stage scenery  4 Lab

103 Theatre Production: Costume (1)
Hands-on participation in the construction of stage costumes and accessories  4 Lab

104 The Theatre Experience (3)
Analysis of what the theatre is about, what goes on in the theatre, and what it means to be a viewer  COREQ 104 Laboratory (Lab is required ) (P5)

130 Makeup (1)
Application of stage makeup

131 Introduction to Theatre (3)
Survey of theatre profession for beginning majors and minors  2 Lecture, 2 Lab

140 Acting I (3)
Introduction to the basic principles of acting

231 Stagecrafts I (3)
Introduction to theatre crafts and technology  PREQ 131

270 Theatre Arts Workshops I (1-3, R6)
Practical experience performance crews in theatre productions  PREQ Permission of instructor  3 lab per credit hour

300 Dramatic Literature and Criticism I (3)
Dramatic structure, interpretation, and evaluation of masterpieces, Greek period to 1700  PREQ 131

301 Dramatic Literature and Criticism II (3)
Dramatic structure, interpretation, and evaluation of masterpieces, 1700 to present  PREQ 300 or permission of instructor

330 Makeup II (1)
Three-dimensional makeup and mask building Project oriented, emphasis on portfolio preparation  PREQ 130  3 Lab

331 Stagecrafts II (3)
Continuation of CMTA 231 with emphasis on application to production  PREQ 131, 231

332 Introduction to Theatrical Design (3)
Principles and practices of design as applied to theatre Project oriented  PREQ 331

333 Scenic Technology (3)
Advanced theory and practice in technology associated with scenic construction, emphasis on preparation for supervision of a basic scene shop  PREQ 332
335 Lighting Technology (3)
Advanced theory and practices in technology associated with theatre lighting, emphasis on preparation for supervision of lighting crew  
PREQ 332

337 Costume Technology (3)
Advanced theory and practice associated with costume construction, emphasis on preparation for supervision of a basic costume shop  
PREQ 332

340 Acting II (3)
Introduction to character analysis and styles  
PREQ 131, 140

341 Acting III (3)
Advanced scene work for theatre majors  
PREQ 340

345 Acting for the Camera I (3)
The art of acting as it relates to the television/film environment  
PREQ 140 or 340

346 Acting for the Camera II (3)
PREQ 345

350 Directing I (3)
Survey and practical application of the basic theories of play directing  
PREQ 131, 140, 231

351 Directing II (3)
Directing colloquium production problems and solutions  
PREQ 350

370 Theatre Arts Workshops II (1-3, R6)
Practical experience, performance, leadership portions of theatre productions  
PREQ
Permission of instructor  3 lab per credit hour

389 Cooperative Education in Theatre Arts (1-3, R6)
See Cooperative Education Program  
PREQ Completed 60 hours and permission of department head

400 History of the Theatre I (3)
The theatre in performance  
Origins and development of theatrical forms and style through the study of acting, physical facilities, design, and the cultural milieu of the audience, Greek period to 1700  
PREQ 12 hours in major

401 History of the Theatre II (3)
The theatre in performance  
Origins and development of theatrical forms and style through the study of acting, physical facilities, design, and the cultural milieu of the audience, 1700 to present  
PREQ 400

433 Scene Design (3)
Theory and practice in the design of stage scenery  
Project oriented, emphasis on portfolio preparation  
PREQ 333

435 Lighting Design (3)
Theory and practice in the design of stage lighting  
Project oriented, emphasis on portfolio preparation  
PREQ 355

437 Costume Design (3)
Theory and practice in the design of theatrical costumes  
Project oriented, emphasis on portfolio preparation  
PREQ 337 or permission of instructor
441 Acting IV (3)
  In-depth character analysis and application  PREQ 341

483 Internship in Theatre Arts (3, R9).
  Work experience in the theatre industry  S/U grading  PREQ Completed 60 hours
  and/or permission of department head  9 hours per week per 3-hour course

486 Theatre Production (3, R12)
  Intensive training in performance, design, or theatre technology  PREQ Permission of
  department head

493 Selected Topics in Theatre Studies (1-3, R9)
  Study in a special area of interest in theatre

496 Seminar in Professional Development (1)
  Seminar in career preparation for the emerging professional  PREQ Senior status

499 BFA Thesis (2)

Graduate Courses
  586 Theatre Production (3)
  593 Selected Topics in Theatre Arts (3)

Communication Disorders (EDCD)

270 Introduction to Communication Disorders (3)
  Overview of speech-language-hearing disorders in children and adults

301 Speech and Language Development (3)
  Speech and language development in normal children, survey of procedures and tools
  used to study language development and acquisition  PREQ 270 or equivalent

302 Communication Development and Disorders (3)
  The developmental phases of content, form, and use of language, survey of techniques
  for use with language-disordered children, designed for nonmajors

370 Phonetics (3)
  Study of sound feature production, phonetic transcription  PREQ 270 or equivalent

372 Acoustics and Speech Science (3)
  Principles and concepts in speech production and perception, techniques for acoustic
  analysis

380 Anatomy and Physiology of the Speech Mechanism (3)
  Study of the anatomic structures involved in speech and their function in the speech
  process  PREQ 270, 370, or equivalent

450 Introduction to Audiology (3)
  Fundamentals of audiology, the physics of sound and its measurement, aural anatomy,
  physiology, etiology, and pathology  PREQ 372 or equivalent

451 Sign Language I (3)
  Beginning sign language skills, receptive and expressive, cultural issues

452 Sign Language II (3)
  Advanced sign language skills, receptive and expressive, cultural issues  PREQ 451
  or equivalent
470 Speech-Language Disorders in Adults (3)
A survey course of communication and swallowing disorders in adults following brain injury. PREQ 301, 370, 372, 380, or permission from instructor

473 Aural Rehabilitation (3)
Acoustic and visual components of speech, amplification and training procedures. PREQ 301, 370, 372, or permission of instructor

477 Speech-Language Disorders in Children (3)
Analysis of childhood language and speech disorders, evaluation and implementation of treatment approaches. PREQ 301, 370, 372, and 380

478 Fluency and Voice Disorders (3)
A survey of theory, assessment, and treatment of fluency disorders and voice disorders in children and adults. PREQ 301, 370, 372, 380, or permission of instructor

479 The Clinical Process (3)
Orientation to the roles and responsibilities of clinicians in the practice of speech-language pathology and audiology. PREQ 450, 470, 477, 478, or permission of instructor

494 Topics in Communication Disorders (1-3, R6)
PREQ Permission of instructor

Graduate Courses

551 Sign Language I (3)
552 Sign Language II (3)
576 Language Disorders in Children (3)
594 Topics in Communication Disorders (1-3, R6)
595 Seminar in School Practice (1-3)
620 Infant Toddler Communication (3)
630 Professional Issues in Communication Sciences and Disorders (3)
640 Voice Disorders (3)
647 Language Disorders (3)
648 Language Disorders - School Age (3)
650 Clinical Audiology (3)
660 Psychology of the Hearing Impaired (3)
661 Private Practice Design and Operation (3)
662 Articulation and Phonological Disorders (3)
663 Communication Problems of the Aging (3)
668 Language Disorders-Preschool (3)
670 Fluency Disorders (3)
672 Language Disorders in Adults (3)

673 Neurogenic Speech Disorders (3)
674 Diagnostics (3)
675 Management of Communication Disorders (3)
676 Management of Orofacial Anomalies (3)
677 Dysphagia (3)
678 AAC Assessment and Intervention (3)
681 Independent Study-Master's Project (3)
682 Research in Communication Disorders (3)
683 Clinical Practicum (1-3, R15)
695 Seminar in Articulation and Phonology (1-3, R3)
696 Seminar in Language (1-3)
697 Seminar in Fluency (1-3)
698 Seminar in Voice (1-3, R3)
699 Thesis (3, R6)
779 Continuing Research—Non-Thesis Option (1, R10)
793 Topics in Severe Disabilities I (3)
794 Topics in Severe Disabilities II (3)
799 Continuing Research—Thesis Option (2, R24)

Computer Information Systems (CIS)

110 Introduction to Computer Information Systems (3)
Introductory computer concepts including a brief history of computers and terms, the Windows operating system, browsers and the Internet, and microcomputer applications. Not open to students seeking the B S B A degree

195 The Information Society at Work (3)
The impact of computer and telecommunications technologies on the way we work, special focus on the individual, organizational, and societal impacts of remote work arrangements. (P1)

204 Oral Communication (3)
Oral communication theory and practice. PREQ ENGL 101
235 Foundations of Information Technology (3)  
Architecture of modern computer systems including peripherals, data communications and networking with fault-tolerant computing, language transition, operating systems software, and utilities

240 Business Applications Development I (3)  
Application of programming principles in business, flowcharting, coding, documentation, and testing, computer architecture and data representation

251 Management Information Systems (3)  
An orientation into the management of computer-based information systems for organizations and problem solving using various application software packages

293 Topics in Computer Information Systems (1-3, R3)

301 Microcomputer Applications (3)  
Hands-on experience with word processing, spreadsheet, database, presentation graphics, and the Internet. Also, hardware, e-commerce, and basic website development

304 Business Communications (3)  
Application of written, oral, and interpersonal communication theory in business  
PREQ ENGL 102

335 Enterprise Technology Management (3)  
The development, management, and planning of information technologies in the enterprise environment  
PREQ 235

340 Business Applications Development II (3)  
The study of state-of-the-art tools and techniques for developing complex business applications, Web application development, multi-tier client-server, SQL  
PREQ 240

389 Cooperative Education in Information Systems (1 or 3, R15)  
See Cooperative Education Program

403 Business Research and Reports (3)  
Identification of research problems, collecting and analyzing data, presenting findings for decisionmaking

440 Advanced Business Programming Applications (3)  
Use of advanced programming techniques to solve business problems and create windows-based applications  
PREQ 240

453 Database Management Systems (3)  
Database processing and application development emphasizing design, implementation, and maintenance of single-user and enterprise-wide databases. Design and implementation of a database application  
PREQ 340

455 Computer Information Systems Analysis and Design (3)  
Object-oriented analysis and design. Object identification, problem identification, feasibility, system requirements, prototyping, design-related activities, and formal report writing  
PREQ 340

465 Applications Development III (3)  
Development of client-server business applications using enterprise-wide databases and cross platform and cross product functionality and connectivity  
PREQ 453 and 455

466 Small Business Computing (3)  
Technology, software design, programming techniques, system design, and analysis related to mini- and microcomputers  
PREQ 251

480 Independent Research in Information Systems (3)  
PREQ CIS major, permission of department head
483 Internship in Information Systems (3, 3, 3)
Supervised experience using previously studied theory S/U grading PREQ Junior standing, 2.0 GPA, written application, and permission of department head Minimum of 10 hours per week

493 Topics in Information Systems (1-3, R6)
PREQ Permission of department head

Graduate Courses
605 Managerial Communication (3)
651 Information Systems for Competitive Advantage (3)
661 Systems Analysis and Development (3)
662 Database Management Systems (3)
682 Research Project in Computer Information Systems (3, R6)
693 Topics in Information Systems (1-3, R6)

Computer Science (CS)
101 Computer Concepts (1)
Computer applications including hands-on experience with word processing, spreadsheets, database management, and graphics

130 Introduction to Computing (3)
An introduction to programming using a scripting language including variables, input/output, and conditional statements Other topics covered at the discretion of the instructor

150 Problem Solving and Programming I (4)
Problem solving and algorithm development using an object-based programming language classes, selection, iteration, arrays, and generic classes PREQ or COREQ MATH 146 or equivalent 3 Lecture, 2 Lab

151 Problem Solving and Programming II (4)
Object-oriented program development and elementary data structures pointers and dynamic allocation, generic classes and inheritance, recursion, linked lists, stacks, and queues PREQ 150 3 Lecture, 2 Lab

250 Introduction to Computer Systems (3)
The computer architecture and system call interfaces, assembly language programming, implementation of system calls, linking, exceptions, interrupt handling, and input/output PREQ 151 or both 150 and EET 331

260 Logic for Computer Science (3)
Logic with applications to program correctness, formal languages, graph theory, etc An introduction to matrix theory Credit not available for both CS 260 and MATH 250 PREQ MATH 146 and computer programming experience

301 High-Level Languages (3, R9)
ADA, C, PROLOG, LISP, or other languages approved by the department head (Can be repeated for credit with different languages) Elective credit for CS majors restricted to 3 hours

303 Digital Logic (3)
Binary systems, Boolean algebra, combinational logic, synchronous sequential logic, asynchronous sequential logic PREQ MATH 146 and some programming experience

304 Digital Logic Laboratory (1)
Laboratory experience to enhance topics from CS 303 PREQ 303, MATH 146, some programming experience

320 Computers and Society (3)
Brief history of computers, survey of growth of applications and current social issues to include legal issues as they relate to businesses and the individual
340 Introduction to Scientific Computing (3)
Floating-point representations, round-off errors, nonlinear equations, numerical integration, data analysis, and numerical differentiation. Survey software packages and other technology. PREQ: MATH 255, MATH 254 or 262, and some programming experience.

350 Introduction to Computer Organization (3)
Introduction to computer arithmetic, processor organization and design, microprogramming and control unit design, memory organization, I/O organization. PREQ: 250.

351 Data Structures (3)
Object-oriented program development and advanced data structures, recursion, analysis of execution time, sorting and searching, trees, hash tables, and elementary graph algorithms. PREQ: 151, 260, and MATH 153. COREQ: MATH 310.

352 Organization of Programming Languages (3)
Language processors, data and data control, operations, sequence control, storage management, operating environment, syntax, and translation. PREQ: 151 and 260.

360 Theory of Computation (3)
An introduction to finite automata and regular expressions, context-free languages, Turing machines, Church's thesis and recursive functions, uncomputability, and computational complexity. PREQ: 260.

361 Computer Graphics (3)
Storage tube and raster scan graphics, terminal technologies, language and data structures for graphics, 2-D and 3-D graphics and transformations, plane and space curves, surface generation. PREQ: 150 or 340.

363 Software Development (3)
Techniques for design and construction of reliable, maintainable, and useful software systems. Software development methodologies and object-oriented design for medium and large projects. PREQ: 151.

370 Operating Systems (3)
Concurrency (synchronization primitives and deadlock) and implementation of the operating system kernel (process management, memory management, and file systems), introduction to computer networks. PREQ: 151.

389 Cooperative Education in Computing (1 or 3, R15) See Cooperative Education Program.

393 Topics in Computer Science (1-3, R6)
PREQ: Permission of department head.

443 Automata and Formal Languages (3)
Phrase structure grammar, context-free languages, finite state machines, pushdown acceptors, Turing machine, recursiveness, and computability. PREQ: 360.

451 Algorithms (3)
Selected topics from the theory of algorithms. Topics may include algorithms for parallel computers, polynomials and FFT, number-theoretic algorithms, and computational geometry. PREQ: 351.

452 Advanced Computer Architecture (3)
Advanced topics in computer architecture including pipelining, multiple and parallel processing systems, issues in performance enhancement, data flow computers, and VLSI computations. PREQ: 350.
453 Database Systems (3)
Relational query languages (SQL), database design, normal forms, storage structures, access methods, query processing, crash recovery, transactions, distributed databases, object-oriented and multimedia databases  PREQ 151

455 Computer System Performance Analysis (3)
Performance evaluation of computer systems and computer networks, measurement and benchmarks, simulation, and analytical models (stochastic processes and queuing theory)  PREQ 370 and MATH 270

460 Compiler Construction I (3)
Grammar and finite-state automata, parse trees, top-down and bottom-up parsing, LL(k) and LR(k) grammar, syntax-directed translation, term project  PREQ 351

462 Systems Programming (3)
Advanced implementation issues in the design of the software of computer systems with a focus on parallel and distributed systems  PREQ 370

463 Software Engineering (3)
Large scale software development methodologies, software development process and life-cycle models, object-oriented analysis and design, verification and validation, planning and estimating software development efforts  PREQ 151

464 Microcomputer Development (3)
Software and hardware development and interfacing for dedicated microcomputer applications  PREQ 350 or PHYS 302 or IET 371  2 Lecture, 2 Lab

465 Computer Networks (3)
Protocol layers, error control, media access, routing, congestion control, TCP/IP, name resolution, socket programming, client-server, interface definition languages, component APIs  PREQ 151

480 Artificial Intelligence (3)
Machine intelligence, problem reduction, state space search, game trees, expert systems, resolution principle, introduction to LISP  PREQ 351

493 Topics in Computer Science (1-6, R6)

495 Capstone (3)
A seminar emphasizing social and ethical issues in computer science. The seminar includes a project with a written report and presentation that demonstrates understanding of computer science principles  PREQ Senior standing

Graduate Courses
552 Advanced Computer Architecture (3)
555 Computer System Performance Analysis (3)
560 Compiler Construction II (3)
564 Microcomputer Development (3)
565 Computer Networks (3)
580 Artificial Intelligence (3)
593 Topics in Computer Science (1-6, R6)

Construction Management (CM)

121 Introduction to Construction (3)
A survey of the construction industry to include history, career opportunities, types of construction, differences in office and jobsite working conditions, plan reading and vocabulary  2 Lecture, 2 Lab

211 Construction Methods and Materials (3)
An overview of the properties and types of typical materials used in construction and their use in the method of constructing a building  2 Lecture, 2 Lab
222 Construction Surveying Layout (3)
Development of the surveying skills necessary on a construction jobsite with emphasis placed on operation of instruments and accuracy of field notes  PREQ  MATH 144
2 Lecture, 2 Lab

242 Construction Documents and Quantity Takeoff (3)
Introduction to the classification of work from the plans and specifications, application of basic quantity surveying principles, and the use of estimating software  PREQ  211, MATH 144  2 Lecture, 2 Lab

332 Construction Site Planning and Equipment (3)
A study of the construction worksite and preparation of a site utilization plan to include typical construction equipment and its selection and jobsite safety  PREQ  222, 242 or permission of the instructor

342 Cost Estimating, Bidding and Project Planning (3)
Pricing of materials, labor, equipment, overhead costs, and profit margins will be calculated to produce an estimate  A practice bid will also be introduced  PREQ  242  2 Lecture, 2 Lab

362 Computerized Construction Estimating and Scheduling (3)
A course using construction estimating software and construction scheduling software will be used in planning a construction project from start to finish  PREQ  342  2 Lecture, 2 Lab

375 Mechanical and Electrical Construction (3)
An introduction to the basics of mechanical, electrical, plumbing and fire protection systems (MEP) in construction  This includes installation of systems and resources necessary  PREQ  242, ET 242 or permission of instructor  2 Lecture, 2 Lab

389 Cooperative Education in Construction (1 or 3, R15)
See Cooperative Education program  PREQ  Permission of instructor

393 Topics in Construction Management (1-3, R9)
PREQ  Construction Management major or permission of instructor

421 Construction Human Factors and Labor (3)
An overview of the social dynamics within a construction company between management and labor, architect and contractor, and field problems between union and non-union labor  PREQ  Construction Management major with senior standing or permission of instructor

431 Construction Project Management (3)
The study of construction procedures and administration process using the latest construction management software to explain typical project management functions and documentation  PREQ  342 and senior standing or permission of instructor

452 Construction Capstone Project (3)
Simulation of a general contracting construction company obtaining work through the estimating, bidding, scheduling, cash flow projections process using plans and specifications  PREQ  362 and construction management major with senior standing or permission of instructor  1 Lecture, 4 Lab

480 Independent Study (1-3, R6)
PREQ  Construction management major and permission of instructor
483 Required Internship in Construction (3)
A supervised summer work experience of 400 hours in the construction industry as approved in advance S/U grading PREQ Construction management major and permission of program director Four hundred hours of work experience

495 Construction Administration Seminar (3)
A variety of topics will be covered such as ethics, safety, management principles of different types of construction sectors and subcontractors, and new technologies PREQ Construction management major with senior standing or permission of instructor Seminar, 3 hours

Counseling (COUN)

140 Study Techniques for College (1)
Study techniques and skills, motivation for learning, use of the library, reading improvement laboratory 1 Lecture, 1 Lab

141 Student Development and Leadership (1)
The student leadership and development class is designed to promote ethically and morally responsible, fully functioning leaders for resident assistant positions

142 Understanding and Promoting Non-Violence and Social Change (1)
Designed to enhance awareness and understanding of men's violent behavior towards women Facilitation skills for creating individual and group change toward non-violent behavior will be offered Meets once a week for 2 hours

310 Family Systems (3)
Family organization and function, including intimacy, parenting, communication and conflict negotiation, as well as the interaction of family and economics, government, and ethnicity

325 Survey of Human Development (3)
The life span, prenatal through death, the social, emotional, cognitive, moral, and physical characteristics of each stage

430 Individual and Group Counseling (3)
Principles and techniques of individual and group counseling, communication techniques, and participation in role playing and group processes

440 Leadership and Facilitation (3)
Leadership and facilitation within agency and educational settings, workshop program design and implementation

450 Career Development and Guidance (3)
History of vocational guidance, theories of vocational choice, development of vocational maturity, interests, aptitudes, and other factors in vocational development

Graduate Courses
600 Individual and Group Helping Skills (3)
601 Professional Orientation (1)
605 The Helping Relationship (3)
610 Family Counseling (3)
615 Multicultural Counseling (3)
617 Substance Abuse Counseling (3)
620 Counseling Children and Adolescents (3)
623 Introduction to Community Counseling (2)
625 Counseling Developmental Perspectives (3)
630 Theories of Counseling (2)
631 Techniques of Individual Counseling (1)
633 Crisis Intervention Counseling (3)
635 Group Methods in Counseling (3)
640 Measurement and Appraisal in Counseling (3)
645 Consultation and Collaboration (3)
650 Career Development (3)
655 Career Counseling (3)
660 School Counseling Program Development (2)
665 Implementing School Counseling Program (3)
667 The DSM and Effective Treatment Planning in Counseling (3)
670 Research in Counseling (3)
680 Independent Study in Counseling (3)
686 Practicum in Counseling (3)
687 Internship in Counseling (3, R6)
695 Seminar in Counseling (3)
779 Continuing Research—Non-Thesis Option (1, R10)
784 Internship in Counseling (3)
Criminal Justice (CJ)

190 Controversies in Criminal Justice (3)
Topical issues in criminal justice are explored and discussed in the context of political and social realities of contemporary American society 3 Seminar (P1)

250 The Criminal Justice System (3)
Evaluation of formal institutions dealing with crime in Western culture, overview of major components of the criminal justice system

311 The Juvenile Justice Process (3)
The phenomenon of juvenile delinquency, evaluation of a unique justice system for children, related concerns, problems, and expectations PREQ 250

320 The Law Enforcement Process (3)
Philosophical, historical, and operational aspects of law enforcement agencies and processes within a framework of social control in a democratic society PREQ 250

330 Courts and Criminal Procedure (3)
State and federal court systems, criminal judicial process, and rights of the individual PREQ 250

340 The Corrections Process (3)
Examination of modern corrections through review of penal history, theory, and practice PREQ 250

352 Planning and Methodology (3)
Planning as a process of criminal justice decision making using contemporary methods and techniques

360 Security Systems (3)
The role of private institutional security concerns Physical security, loss prevention, technology, and the security profession are examined PREQ 250

370 Ethics in Criminal Justice (3)
Examination of ethical issues in the criminal justice field PREQ 250

389 Cooperative Education (1 or 3, R15)
See Cooperative Education Program Credit will not be given for both 483 and 389

404 Substantive Criminal Law (3)
The nature and definition of substantive criminal offenses, examination of federal and state law, principles of criminal liability, defenses, and complicity PREQ 250

406 Criminal Justice Administration (3)
Procedural aspects of statutory and case law affecting the administration of law enforcement and the control of police conduct

410 Victimology (3)
A study of the experiences of crime victims with the criminal justice system as well as victim characteristics, vulnerability, and culpability PREQ 250

420 Criminal Investigations (3)
An analysis of methods used in conducting criminal investigations

423 Criminalistics (3)
A survey of methods and techniques used in the scientific investigation of criminal offenses
424 Community Corrections (3)
Development, organization, operation, and results of probation and parole systems as substitutes for incarceration

425 Police Tactical Theory (3)
Theories related to the development of police policy concerning appropriate responses to dangerous and potentially lethal confrontations

430 Criminal Evidence (3)
Examination of the rules of evidence and courtroom procedures in criminal trials

440 Organized Crime (3)
Examination of traditional and emerging organized crime groups and their impact on society and the criminal justice field

450 Violence in American Society (3)
Theories on the causation, manifestations, prevention, and treatment of violent behavior. International, national, and regional constructs of violence are discussed. PREQ 250

454 Comparative Criminal Justice Systems (3)
Law enforcement and correctional and court subsystems in the Western world today

455 Criminal Justice Theory (3)
Theories of law, justice, punishment, and crime causation. PREQ 250

456 Peacemaking Criminology (3)
Theoretical development that stresses mediation, conflict resolution, rehabilitation and other alternatives to our current system of punitive sanctions. PREQ 250, 455

457 International Terrorism (3)
An examination of the history, causes, and response to international terrorism. PREQ 370

458 Domestic Terrorism (3)
Examination of origins, evolution, dimensions, and impact of terrorism, anarchism, and extremist activity in the United States. PREQ 370

459 Multicultural Justice (3)
Contemporary issues of multi-cultures, ethnicities, nationalities, races, religions, practices, etc in social control, justice, and law in the USA and selected world societies. PREQ 250 or permission of instructor

460 Drug Abuse (3)
An examination of drugs, of abuse, and the evolution of drug laws, law enforcement, and correctional responses for drug offenders

470 Criminal Justice Policy (3)
The origins and outcomes of criminal justice policy. The role of politics, media, and bureaucracy are examined. PREQ 250, 350

480 Independent Study in Criminal Justice (1-3, R6)

482 Senior Directed Research (3)
Directed research/independent study in criminal justice. PREQ 352

483 Internship in Criminal Justice (3-12, R12)
Supervised applications of academic study in a practical criminal justice setting. Credit not given for both 389 and 483. PREQ Junior standing, permission of instructor. 250, 320, 330, 340, and 2.0 GPA. 135 hours per 3 credits

493 Topics in Criminal Justice (1-3, R12)
PREQ Approval of department head
188

495 Seminar on Criminal Justice Problems (1-3, R6)  
PREQ Approval of department head

Graduate Courses
524 Probation and Parole (3)  
593 Special Topics in Criminal Justice (1-3, R9)  
620 Criminal Justice Administration (3)  
640 Correctional Administration (3)  
650 Criminal Justice/Criminological Theory (3)  
652 Research Methods (3)  
670 Criminal Justice Policy (3)  
675 Ethics in Criminal Justice (3)  
680 Independent Study in Criminal Justice (3, R6)

Curriculum and Instruction (EDCI)

191 The Great School Wars (3)  
An interdisciplinary examination of the ways in which public policy debates about schooling reflect ideological differences in American society (P1)

200 Seminar in Leadership Development (1, R4)  
Leadership development through seminars with university and public-school professionals, field trips, and service projects S/U grading PREQ Admission to the North Carolina Teaching Fellows program

230 Peer Tutor Training (1, R2)  
Principles and techniques of tutoring PREQ Permission of instructor 1 Lecture, 2 Lab

231 Historical, Social, and Philosophical Foundations of Education (3)  
Survey of historical, sociological, and philosophical aspects of education and current influences, including diversity and technology Introduction to teacher education conceptual framework Field experience required

300 Seminar in Teaching and Research (1, R3)  
Leadership development through seminars, projects with mentors, and independent study S/U grading PREQ Admission to the North Carolina Teaching Fellows program and to the professional education sequence

480 Reading and Research in Education (3)  
PREQ Permission of department head

Graduate Courses
503 Social Studies in the Secondary School (3)  
506 Contemporary Philosophies of Education (3)  
601 Educational Sociology (3)  
602 Methods of Research (3)  
603 Comparative Education (3)  
604 Curriculum Development (3)  
605 Foundations of Modern Education (3)  
606 Statistical Analysis in Research (3)  
609 Educational Tests and Measurements (3)  
611 Qualitative Research (3)  
612 Principles and Application of Educational Research Methods and Analysis (3)  
613 The Teacher Leader (3)  
615 Philosophy, History, and Sociology of Education (3)  
617 Teaching & Learning in Today’s Schools (3)  
618 Theory in Practice in the Subject Area Classroom (3)  
689 Internship in Secondary Education & Special Subjects Areas (3, R9)  
693 Topics in Education (1, R3)  
699 Thesis (4)  
700 Philosophy of Education (3)  
702 Research Seminar in Curriculum (3)  
705 Advanced Research Methods (3)  
800 Issues in Rural Education (3)  
801 Mega Theory Research Review and Applications (3)  
802 Program Planning and Evaluation (3)  
895 Doctoral Research Seminar (3)  
979 Continuing Research—Non-Thesis Option (1, R10)  
999 Continuing Research—Thesis Option (2, R24)

Dance (DA)

252 Ethnic Dance (1)  
Multicultural dance activities 2 Lab

253 Social/Ballroom Dance (1)  
Basic steps involved in popular social and ballroom dances 2 Lab
254 Lyrical (1)
Dance techniques which employ rhythmic floor work and creative styling 2 Lab

255 Tap (1)
Beginning to advanced tap rhythms Progressive and continuous perfecting of the tap dance technique 2 Lab

256 Jazz (1)
Techniques and style involved in jazz dance 2 Lab

257 Dance Performance (1)
Student must be involved in approved dance company or performance group for one semester

258 Dance Techniques (3)
Foundation techniques of basic movement with strong emphasis on dance terminology, barre and floor work 2 Lecture, 1 Lab

259 Dance Appreciation (3)
Historical/cultural aspects of dance, introduction to dance history including studies of choreographers, dancers, directors, and productions

301 Dance Choreography (3)
Applications of dance technique in creative composition Involves various types of dance PREQ PE 258 2 Lecture, 1 Lab

302 Choreography Production (3)
The development, presentation, and evaluation of choreographic projects designed by individual students These may include theatrical, school, and community involvement PREQ PE 301 2 Lecture, 1 Lab

Earth Sciences (ESI)

471 Field Studies of Selected Regions (3, R6)
Interdisciplinary group project on a designed region, a two-week field trip following spring final exams Cost to be determined PREQ Junior standing, GEOL 150 or GEOG 150, and permission of instructor

Economics (ECON)

103 Economics of Comparative Cultures (3)
Analysis of the effects of differing institutions and values in various cultural systems on the level of output or per capita income, including ownership of the means of production, economic activities and incentives, and price-making forces

104 Contemporary Economic Institutions (3)
Examination of changes in Western economic institutions, interrelationships of economic, social, and political changes, impact of changes on decision making, economic policy options, and current issues

130 Survey of Economics (3)
Principles of micro- and macroeconomics, market system, analysis of current economic conditions, fiscal and monetary policy Not open to students with credit in 231 or 232

231 Introductory Microeconomics and Social Issues (3)
Study of economic and social systems, emphasizing choices made by individuals in society such as consumers, producers, employees, voters, policy makers, and students (P1)
232 Introductory Macroeconomics and Social Issues (3)
Macroeconomic principles, alternative theories of economic instability, national income, fiscal policy, monetary policy, and international trade

302 Economics of the Firm (3)
The price mechanism and allocation of resources under competition, monopoly, and imperfect competition, applications to decision making  PREQ 231, 232, MATH 135

303 Money, Financial Markets, and Economic Policy (3)
Financial institutions, monetary policy, central banking and nongovernmental organizations, money and capital markets, derivative instruments, European Union monetary unification  PREQ 231, 232

304 Business Conditions Analysis (3)
Evaluation of business indicators, techniques for analyzing current business conditions and forecasting changes in levels of national economic activity  PREQ 231, 232, 235

305 Public Finance (3)
Governmental expenditures, sources of revenue, public credit, principles, and methods of taxation and financial administration, fiscal policy

306 Economics of Transportation (3)
Characteristics and problems of intercity transportation modes and agencies  PREQ Any 3 hours in economics

307 Regional Economic Analysis (3)
Regional structure and growth, location theory, interregional income theory, factory mobility, public policy for regional development  PREQ Any 3 hours in economics

308 Government and Business (3)
Governmental regulation of business, evolution of control, methods, and agencies  PREQ Any 3 hours in economics

310 Natural Resource Economics (3)
Economic policy regarding renewable and nonrenewable resources, environmental and energy economics  PREQ 130 or equivalent

389 Cooperative Education in Economics (1 or 3, R15)
See Cooperative Education Program

401 Comparative Economic Systems (3)
Economics under capitalism, socialism, communism, and fascism, organization of production, decision making, problems of underdeveloped nations  PREQ Any 3 hours in economics

403 Development of Economic Ideas (3)
Ideas of the great economists, great debates in economics  PREQ Any 3 hours in economics

404 Introductory Mathematical Economics (3)
Functions, graphs, calculus, and systems of equations applied to economic analysis  PREQ 231, 232, MATH 135

406 International Economic Development (3)
Institutional forces shaping economic development, developed and less-developed nations compared, population growth, capital formation, educational improvement  PREQ 231, 232
191

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>420</td>
<td>Recreation, Sport, and Tourism Economics (3)</td>
<td>Economic models, techniques, and applications related to recreation, sport, and tourism</td>
<td>PREQ 231 or permission of instructor</td>
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<tr>
<td>480</td>
<td>Independent Research (3)</td>
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<td>PREQ Permission of department head</td>
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<tr>
<td>483, 484, 485</td>
<td>Internship in Business Economics (3, R9)</td>
<td>Work experience in business economics</td>
<td>S/U grading PREQ Junior standing, 2.0 GPA, written application, permission of department head, minimum of 10 hours per week</td>
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<tr>
<td>493</td>
<td>Topics in Economics (1-3, R6)</td>
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<td>PREQ Permission of department head</td>
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**Graduate Courses**

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<th>Credits</th>
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<td>607</td>
<td>Managerial Economics (3)</td>
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<td>608</td>
<td>Business and Managerial Forecasting (3)</td>
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<td>609</td>
<td>International Economics (3)</td>
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<td>682</td>
<td>Research Project in Economics (3, R6)</td>
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<td>693</td>
<td>Topics in Economics (3, R6)</td>
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**Education and Psychology (EDPY)**

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<tbody>
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<td>493</td>
<td>Topics in Education and Psychology (1-3, R6)</td>
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**Graduate Courses**

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<th>Course Code</th>
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<th>Credits</th>
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<td>Topics in Education and Psychology (1, R3)</td>
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<td>Topics in Education and Psychology (2, R6)</td>
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<td>Topics in Education and Psychology (3, R6)</td>
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<td>Topics in Education and Psychology (1, R3)</td>
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<td>Topics in Education and Psychology (2, R6)</td>
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<td>693</td>
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**Educational Administration (EDAD)**

**Graduate Course**

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<td>710</td>
<td>(EDHE 710) Administration of Two-Year Colleges (2)</td>
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**Educational Leadership (EDL)**

**Graduate Courses**

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<th>Course Title</th>
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<td>611</td>
<td>Educational Organizations (3)</td>
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<td>612</td>
<td>Leadership Theory (3)</td>
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<td>620</td>
<td>School Law (3)</td>
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<td>630</td>
<td>School Finance and Business Management (3)</td>
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<td>640</td>
<td>School Plant Planning and Management (2)</td>
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<td>650</td>
<td>School Personnel Administration (3)</td>
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<td>660</td>
<td>School-Community Relations (3)</td>
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<td>680</td>
<td>Problems in School Administration (1-3, R3)</td>
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<td>686</td>
<td>School Site Internship I (3)</td>
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<td>687</td>
<td>School Site Internship II (3)</td>
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<td>693</td>
<td>Topics in Administration (1, R3)</td>
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<td>705</td>
<td>Leadership for Educational Programs (3)</td>
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<td>720</td>
<td>The Politics of Educational Decision Making (3)</td>
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<td>731</td>
<td>Policy Development and Analysis (3)</td>
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<td>732</td>
<td>Computer Applications in Educational Administration (3)</td>
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<td>785</td>
<td>Internship in Supervision (2)</td>
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<td>Seminar in Supervision (2)</td>
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<td>799</td>
<td>Continuing Research (2, R24)</td>
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<td>800</td>
<td>Advanced Leadership Theory (3)</td>
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<td>810</td>
<td>Behavior and Management of Educational Organizations (3)</td>
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<td>883</td>
<td>Internship in Rural School Leadership I (1-3, R3)</td>
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<td>884</td>
<td>Internship in Rural School Leadership II (1-3, R3)</td>
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<td>885</td>
<td>Internship in Rural School Leadership III (1-3, R3)</td>
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<tr>
<td>893</td>
<td>Advanced Seminar in Instructional Leadership (3)</td>
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<td>896</td>
<td>Seminar in School Law (3)</td>
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<td>898</td>
<td>Doctoral Seminar in Educational Leadership (3)</td>
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<tr>
<td>899</td>
<td>Dissertation in School Leadership (3, R12)</td>
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**Educational Supervision (EDSU)**

**Graduate Courses**

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<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>635</td>
<td>Principles of Supervision (3)</td>
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<td>615</td>
<td>Techniques of Supervision (3)</td>
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<td>620</td>
<td>School-Based Instructional Leadership (3)</td>
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<td>630</td>
<td>School Improvement (3)</td>
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<td>635</td>
<td>Supervision of the Novice Teacher (3)</td>
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<tr>
<td>680</td>
<td>Problems in Supervision (1, R3)</td>
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<tr>
<td>685</td>
<td>Internship in Supervision (2)</td>
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<tr>
<td>693</td>
<td>Topics in Supervision (1, R3)</td>
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Electrical and Computer Engineering Technology (ECET)

211 **Electronic Drafting and Fabrication** (2)
Electronic drafting and graphics, assembly and fabrication of electronic circuits and equipment 4 Lab

231 **Circuit Analysis I** (4)
Fundamental electrical theory involving DC/AC circuits Topics include series, parallel, series-parallel networks, electromagnetic theory, transient circuit analysis, introduction to AC electricity  COREQ MATH 145  2 Lecture, 2 Recitation, 2 Lab

242 **Electronic Circuits** (4)
Study of analog electronic circuits including amplifiers, regulators, and special applications Both discrete semiconductor devices and integrated circuits are covered  PREQ 231  (2 Lecture, 2 Lab, 2 Recitation)

290 **Computer Engineering Fundamentals** (3)
An introductory course in the engineering study of microcomputers Operating systems, bus architecture, memory structure, motherboard chip sets, and input/output boards will be studied  2 Lecture, 2 Lab

301 **DC/AC Electricity** (3)
Direct current and alternating current electricity  Topics include Ohm's Law, series, parallel and series-parallel circuits, transformers and measurement techniques  Not open to ECET majors  PREQ MATH 144 or 145 and PHYS 130  2 Lecture, 2 Lab

302 **Instrumentation and Controls** (3)
Control system components and applications, control diagram, solid-state components, industrial motors and controls, programmable controllers  Not open to ECET majors  PREQ 301 or permission of instructor  2 Lecture, 2 Lab

321 **Circuit Analysis II** (4)
Fundamentals of DC/AC circuits  Topics include AC series, parallel, series-parallel circuits, analysis techniques, network theorems, resonance, and transformers  PREQ 231  2 Lecture, 2 Lab, 2 Recitation

331 **Digital Integrated Circuits** (4)
Study of combinational and sequential digital circuits using integrated circuit techniques  PREQ 231  2 Lecture, 2 Lab, 2 Recitation

332 **Microcontrollers** (4)
Study of contemporary 8-bit microcontrollers  Microcontroller architecture, programming, and interfacing  PREQ 331  3 Lecture, 2 Lab

341 **Advanced Circuit Analysis** (3)
Study of linear systems, introduction to digital signal processing  PREQ 321, MATH 153  COREQ MATH 255

431 **Microprocessor Interfacing** (4)
Study of microprocessor fundamentals including architecture, instruction sets, and programming  Interfacing 8086 microprocessor based equipment to external hardware  PREQ 331 and CS 150  3 Lecture, 2 Lab

452 **Control Systems** (4)
Fundamental principles of control theory and instrumentation with particular applications in manufacturing processes  PREQ 341  3 Lecture, 2 Lab

461 **Digital Signal Processing** (3)
An introduction to discrete and digital systems using transforms  The architecture and assembly language of DSP processors will be used in various applications  PREQ 341  2 Lecture, 2 Lab
464 **Instrumentation** (4)
Data acquisition using virtual instruments. Sensors, transducers, and signal conditioning used in the measurement of physical parameters. PREQ: 332. 3 Lecture, 2 Lab

478 **Senior Design Project Proposal** (1)
Research methodology, literature review, and industrial writing styles, culminating in a written report proposal for a senior project. S/U grading. PREQ: Senior standing and permission of instructor.

479 **Senior Design Project** (3)
Organizing, planning, and implementing a project using acceptable industrial techniques, culminating in a formal written report and oral presentation. PREQ or COREQ: 478. 1 Lecture, 4 Lab.

493 **Special Topics** (1-3, R6)
PREQ: Permission of instructor.

**Elementary Education (EDEL)**

230 **Introduction to Teaching** (2)
Teaching as a profession, the role and function of the teacher in the school and community. Recommended for any student considering teaching as a career.

303 **Literature for Children and Youth** (3)
Teaching literature in the elementary and middle grades schools, function of literary experiences in the total language arts program. PREQ: Admission to the professional education sequence.

312 **Elementary School/Methods and Curriculum** (3)
Methods, materials, and curriculum for children from kindergarten through grade 6. PREQ: Admission to the professional education sequence.

313 **Literacy and Numeracy** (3)
A study of emergent literacy and numeracy in young children from a developmental and constructivist perspective. Includes regular observation and data collection. PREQ: Admission to program.

314 **Kindergarten Curriculum** (3)
Overview of models for kindergarten curriculum for typical and atypical children in the public school environment. 2 Lecture, 3 Lab.

315 **Elementary/Middle Grades Communication Skills** (3)
Teaching methods, materials, and curriculum development in the language arts, grades K-9. PREQ: Admission to the professional education sequence.

316 **Elementary/Middle Grades Science** (3)
Teaching methods and curricular development in science, grades K-9, materials and teaching strategies. PREQ: Admission to the professional education sequence.

317 **Elementary/Middle Grades Social Studies** (3)
Methods, materials, and strategies for teaching social studies in grades K-9. PREQ: Admission to the professional education sequence.

318 **Elementary/Middle Grades Mathematics** (3)
The development of mathematical concepts, programs, methods, and materials for grades K-9. PREQ: MATH 231 and admission to the professional education sequence.
390 Practicum I, II (1-2)
Supervised observation and participation in a public school classroom. 
PREQ Admission to professional education sequence and permission of instructor. 
One day per week for 390, two days per week for 391.

465 Teaching the Child in Crisis (3)
Exploration of crisis situations to improve teacher competency, methods for dealing 
with the child in crisis at various developmental levels.

466 Computers in Education (3)
The use of computers in school settings, emphasis on instructional applications, issues, 
and trends.

467 Adolescent Literature (3)
The reading development and reading interests of adolescents, criteria for evaluation, 
instructional strategies, study of a wide range of books.

470 (BK, SPED) Early Childhood Curriculum (3)
Materials, environments, and interactions for 2-5 year olds in all curricular areas 
including thinking and social problem-solving for children with and without disabili-
ties. 2 Lecture, 3 Lab.

476 Guiding Children's Behavior and Managing Classrooms (2)
Methods for managing classrooms and helping students from kindergarten to grade 9 
develop self discipline. COREQ 490, 495.

483 (BK, SPED) Internship (4, R16)
Observing, planning, teaching, and evaluating young children with and without 
disabilities in a variety of settings. COREQ BK/EDEL/SPED 496. 5 days/week, full-time.

484 Supervised Internship I (3)
A part-time internship under university supervision with seminar. COREQ 315, 466, 
EDRD 474. Field experience with seminar.

485 Supervised Internship II (9)
A full-time internship under university supervision. PREQ 484. COREQ 495. Full-
time field experience.

486 Field Experience in Teaching (3, R6)
Supervised experience for a second teaching certification or for an initial certification 
for individuals who are employed as full-time teachers. 9 hours per week.

488 (BK) Internship II (9)
Observing, planning, teaching, and evaluating young children with and without 
disabilities in a variety of settings.

490 Supervised Student Teaching (9)
A full-time internship under university supervision. COREQ 476, 495.

495 Seminar for Student Teachers (3)
Theory related to practice during student teaching. COREQ 476, 490.

496 (BK, SPED) Internship Seminar (1, R4)
The interrelationships of theory and practice in the context of experience. COREQ BK 
483.
### Graduate Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>566</td>
<td>Computers in Education (3)</td>
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<td>567</td>
<td>Adolescent Literature (3)</td>
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<td>575</td>
<td>Discipline and Classroom Management (3)</td>
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<td>580</td>
<td>Independent Study (3)</td>
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<tr>
<td>593</td>
<td>Topics in Elementary Education (3)</td>
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<tr>
<td>601</td>
<td>Elementary School Curriculum (3)</td>
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<tr>
<td>602</td>
<td>Individualizing Instruction (3)</td>
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<td>603</td>
<td>Elementary Science Curriculum (3)</td>
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<td>Elementary Social Studies Curriculum (3)</td>
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<td>Elementary Math Curriculum (3)</td>
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<td>Elementary Language Arts Curriculum (3)</td>
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<td>607</td>
<td>Mathematical Problem Solving in Elementary/Middle School (3)</td>
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<td>608</td>
<td>Diagnosis and Remediation in Elementary/Middle School Math (3)</td>
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<td>610</td>
<td>Distance Education (3)</td>
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<td>614</td>
<td>Issues and Trends in Elementary Education (2)</td>
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<td>633</td>
<td>Advanced Children’s Literature (3)</td>
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<td>666</td>
<td>Projects in Educational Computing (3)</td>
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<td>670</td>
<td>Practicum in Middle Grades Education (1-3, R3)</td>
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<td>675</td>
<td>Workshop in Elementary Education (3)</td>
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<td>680</td>
<td>Independent Study (1-3, R6)</td>
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<td>695</td>
<td>Research Seminar in Elementary Education I (2)</td>
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<td>696</td>
<td>Research Seminar in Elementary Education II (2)</td>
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<td>701</td>
<td>Seminar in Elementary School Curriculum (3)</td>
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<td>714</td>
<td>Programs in Elementary Education (3)</td>
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<td>718</td>
<td>Philosophy and Curriculum for Middle Schools (3)</td>
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<td>720</td>
<td>Advanced Practicum (3, R6)</td>
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<td>779</td>
<td>Continuing Research—Non-Thesis Option (1, R10)</td>
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<td>782</td>
<td>Research in Elementary Education (3)</td>
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<td>795</td>
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<td>Advanced Research Seminar in Elementary Education II (3)</td>
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<td>798</td>
<td>Advanced Research Seminar in Middle Grades Education II (3)</td>
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</tbody>
</table>

### Emergency Medical Care (EMC)

#### 340 Introduction to Clinical Medicine (4)

The role and responsibilities of the paramedic, basic medical terminology, patient assessment, including history taking and physical examination techniques

**PREQ** EMC major or permission of program director  
2 Lecture, 2 Lab

#### 350 Cardiology (2)

Pathophysiology, assessment, and treatment of cardiac emergencies

**PREQ** 340, 351, or permission of instructor  
2 Lecture, 1 Lab

#### 351 Basic ECG Interpretation (1)

ECG interpretation in the monitoring leads

**PREQ** Permission of instructor  
COREQ EMC 351-01 Basic ECG Interpretation

#### 360 Acute Fluid and Respiratory Disorders (2)

Pathophysiology, assessment, and treatment of respiratory emergencies, fluid and electrolyte imbalance, manifestations and principles of treatment of shock

**PREQ** 340, HSCC 370  
COREQ 361  
2 Lecture

#### 361 Advanced Emergency Medical Techniques (1)

Traditional techniques of intravenous and respiratory therapy, introduction to new techniques

**PREQ** 340, HSCC 370  
COREQ 360  
3 Lab

#### 370 Medical Emergencies (3)

Assessment and advanced life-support for nontraumatic medical emergencies

**PREQ** 340 and HSCC 370 or permission of program director

#### 382 Clinical Practicum I (1)

Development of clinical competency in patient assessment skills

**PREQ** 340 and permission of program director  
4 Lab

#### 389 Cooperative Education in EMC (1 or 3, R12)

See Cooperative Education Program

#### 410 Trauma Management (3)

Assessment and management of traumatic emergencies, including patient access, stabilization, and transport, radio communications and use of ALS protocols

**PREQ** 360  
2 Lecture, 3 Lab

#### 420 Maternal and Child Emergency Care (3)

Obstetrical, gynecological, and pediatric emergencies

**PREQ** 340 and HSCC 370 or permission of program director
430 Special Needs Patients (2)  
Assessment and emergency care of the elderly and handicapped  PREQ 360 or permission of program director

445 EMC Systems Management (3)  
Planning and managing an emergency medical services system  Emphasis on demand analysis, staffing, medical direction, reimbursement, capital investment, and cost control  PREQ HSM 310

451 Advanced ECG Interpretation (1)  
Advanced electrocardiography including 12-lead ECG interpretation  PREQ 350, 351

452 Advanced Cardiac Life Support (1)  
The American Heart Association course leading to certification in advanced cardiac life support  PREQ 483 or permission of program director

482 Independent Study in Emergency Medical Care (2)  
PREQ Permission of instructor

483 Clinical Practicum II (1-4)  
Experience to develop clinical competency in advanced life support assessment and skills  PREQ 350, 360, 370 12 Lab hours

484 Clinical Practicum III (2)  
Advanced clinical rotations in a hospital setting  PREQ 420, 483 8 Lab

485 MICU Practicum (1-3)  
Supervised field experience on mobile intensive care units  PREQ 410, 420, 483 9 Lab

487 Advanced MICU Practicum (2, R8)  
Supervised field experience on mobile intensive care units to review, update, and maintain skills  PREQ 485 or current paramedic certification, permission of program director 8 Field

488 EMC Management Internship (2, R4)  
Supervised management experience with an approved emergency medical service provider or regulator  PREQ EMC major and permission of program director 5 weeks, full time

493 Topics in Emergency Medical Care (1-3, R6)

496 Senior Seminar in Emergency Medical Care (1)  
Overview of current EMS practice  Examination of issues related to professionalism and scope of practice  PREQ Senior EMC major 2 Seminar

Engineering Technology (ET)

101 Introduction to Computer Graphics and Animation (3)  
Fundamentals of computer graphics and animation, two, three and four dimensional computer graphics, engineered product layout and marketing, image and object types 2 Lecture, 2 Lab

151 Computer Graphics for Documentation and Layout (3)  
An introduction to reverse engineering as applied to systems, geometric dimensioning and tolerances, codes and symbols, two-dimensional projects related to engineered systems documentation and layout  PREQ MET 132 2 Lecture, 2 Lab
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Prerequisites</th>
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<tr>
<td>190</td>
<td>Technology Systems (3)</td>
<td>A study of technology systems and processes in order to develop an understanding of the history and impact of technology systems on individuals, the environment, society, and the global community (P1)</td>
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<tr>
<td>242</td>
<td>Computer Graphics for Construction Processes (3)</td>
<td>An introduction to construction graphics, field drafting, and 3D CADD systems</td>
<td>PREQ CM 211 2 Lecture, 2 Lab</td>
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<tr>
<td>335</td>
<td>Occupational Safety Standards(3)</td>
<td>Standards and practices for industrial and educational safety related to local, state, and federal safety regulations</td>
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<tr>
<td>336</td>
<td>Environmental Instrumentation (3)</td>
<td>Basic instrumentation techniques used to measure industrial safety and health hazards</td>
<td>PREQ 335 2 Lecture, 2 Lab</td>
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<td>337</td>
<td>Management of Safety Systems (3)</td>
<td>Comprehensive, organized management approach for identifying, measuring, and reducing operational errors leading to accidents</td>
<td>PREQ 335</td>
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<tr>
<td>338</td>
<td>Fire Control and Compliance Management (3)</td>
<td>Emergency planning, compliance with standards, recognition of fire hazards, implementation of controls, and extinguishing agents and methods</td>
<td>COREQ 335</td>
</tr>
<tr>
<td>352</td>
<td>3D Computer Graphics and Animation (3)</td>
<td>Intermediate constraint-based parametric modeling applied to architecture construction and the production of fully rendered and animated structures and systems</td>
<td>PREQ 242 2 Lecture, 2 Lab</td>
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<tr>
<td>353</td>
<td>Advanced 3D Computer Graphics and Animation (3)</td>
<td>Advanced constraint-based parametric modeling applied to mechanical design assemblies, structures, and general object types</td>
<td>PREQ 352, MET 231 COREQ 410 2 Lecture, 2 Lab</td>
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<tr>
<td>389</td>
<td>Cooperative Education (3, R9)</td>
<td>See Cooperative Education Program</td>
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<tr>
<td>410</td>
<td>Parametric Modeling in Engineering Design II (3)</td>
<td>Intermediate to advanced constraint-based parametric computer modeling applied to mechanical/industrial design components and mechanisms</td>
<td>PREQ MET 231 COREQ 353 2 Lecture, 2 Lab</td>
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<tr>
<td>420</td>
<td>Polymer Technology (3)</td>
<td>Industrial fabrication techniques, topics in polymer science and mold construction</td>
<td>2 Lecture, 2 Lab</td>
</tr>
<tr>
<td>421</td>
<td>Ergonomics (3)</td>
<td>Theories and applications of ergonomic principles for the workplace. Topics include ergonomic tools, standards, guidelines, training programs, case studies, work-site analysis, common occupational injuries</td>
<td>PREQ Junior standing or permission of instructor</td>
</tr>
<tr>
<td>422</td>
<td>Advanced Polymer Technology (3)</td>
<td>Theory and application of molding processes, emphasis on thermoplastic and thermoset injection, topics in polymer science and microprocessing</td>
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</tbody>
</table>
423 Fluid Systems (3)
Basic fluid mechanics, hydraulic and pneumatic systems used in industrial manufacturing processes  
PREQ MATH 144 or 145, PHYS 130  2 Lecture, 2 Lab

424 Facilities Management (3)
Introduction to management and maintenance of residential, commercial, and industrial building systems  
Systems for heating, cooling, electrical, communications, water, waste water, protective coatings, and roofing  
PREQ Junior standing

425 Metrology and Rapid Prototyping (3)
Dimensional metrology, coordinate measuring machine, GD&T, engineering drawing interpretation, and fundamental technologies that enable the various forms of rapid prototyping  
PREQ MATH 144 or 145, PHYS 130, ET 151 or permission of instructor  2 Lecture, 2 Lab

434 Plant Layout (3)
Problem analyses and design of plant facilities, plant layout, material flow, and handling, physical storage systems  
PREQ Technology major and senior standing

435 Technology and Civilization (3)
The interdependence of society and technology, modern industrial processes, use of energy and material resources, pollution, population explosion, food supplies

472 Automated Systems (3)
Electronic sensing, logic, and control functions applied to automated systems  
2 Lecture, 2 Lab

479 Computer Graphics and Animation Portfolio Project (3)
Organizing, planning, and implementing a computer graphics and animation project using acceptable techniques culminating in a formal written report, portfolio, and oral presentation  
PREQ Permission of instructor  2 Lecture, 2 Lab

480 Independent Study (1-3, R6)
Independent study in industrial, technical, or vocational education, project required  
PREQ Permission of adviser and instructor

493 Special Topics (1-3, R6)
PREQ Permission of instructor

495 Engineering Technology Seminar (3)
Trends, issues, and selected topics pertinent to current operations and practices  
PREQ Engineering technology major and senior standing  Seminar

English (ENGL)

101 Composition I (3)
First semester of a yearlong study  Approaches composition as a process and product  
Emphasis on writing as a tool for reading, thinking, and communicating  (C1)

102 Composition II (3)
Second semester of a yearlong study  Builds on rhetorical activities in ENGL 101, with more demanding emphasis on research methods and projects  (C1)

Note  ENGL 101 and 102 must be taken and passed in sequence  These courses are prerequisite to all courses in English above the freshman level
131 American English for Non-Native Speakers I (3)  
Prepares students for the required composition courses (101 and 102). Exceptional performance in 131 may, if criteria are met, result in a waiver for 101.

132 American English for Non-Native Speakers II (3)  
A specialized writing and mechanic skills class providing further preparation for composition courses. Exceptional performance and satisfaction of other criteria may result in waiver of 101.

190 Freshman Seminar in Literature (3)  
Reading and writing about literature, with emphasis on human experience and values (P).

191 Freshman Seminar in Creative Writing (3)  
Allows students to explore, practice, and discuss their creative writing, with emphasis on one or more of the following: poetry, fiction, creative nonfiction, and screenwriting (P5).

204 The Literature of Culture (3)  
The study of a variety of nonwestern cultures through their literature. Emphasis on such issues as religion, gender and family, economics, and social organization (P6).

205 Introduction to Language (3)  
An examination of the structure and sound system of language and its impact on human behavior at the individual and group level.

206 Literature of Place (3)  
Liberal studies of literature of place, focusing on one general location—such as Appalachia, South, West—or pairing of related places, such as urban-suburban. PREQ 101 and 102 (P4).

207 Popular Literature and Culture (3)  
Examines various popular literary genres, including gothic, popular romances, mysteries, westerns, science-fiction and fantasy, children’s literature, film, television, and the Internet. PREQ 101 and 102 (P4).

209 Past Times Literature and History (3)  
Focuses upon the relationship between literature of the past and historical events, historical documents, and the events and texts of our time (P).

231 The Interpretation of Literature (3)  
An introduction to the close reading of poetry, fiction, and drama, emphasizing theme, structure and form, figurative language, and style. Introduction to major critical approaches. PREQ 101, 102 (P).

232 Introduction to Mythology (3)  
The basic Greek and Roman myths, their origins, their manifestations in the great classical epics, and their variations in the works of later authors.

251 Survey of English Literature I (3)  
Major periods of English literature from the beginnings through the eighteenth century, emphasizing backgrounds and styles characteristic of each period.

252 Survey of English Literature II (3)  
Major periods of English literature from the nineteenth century through the present, emphasizing backgrounds and styles characteristic of each period.

261 Survey of American Literature I (3)  
A survey of American literature from the beginnings through the Romantics.
262 Survey of American Literature II (3)
A survey of American literature from the early Realists to the present

278 Introduction to Film Studies (3)
An introduction to the study of film as a means of artistic expression and as a mirror of cultural values in the twentieth century  PREQ  102

290 Literature and the Sacred (3)
Themes, images, and concepts of the Sacred in literature such as the Bible, myths of origin, Native American sacred stories, or Metaphysical poetry  PREQ  101 and 102 (P4)

300 Foundation Composition (3)
Required of transfer students who fail the English Proficiency Examination and of any undergraduate who receives two Composition Condition marks

303 Introduction to Professional Writing (3)
Career opportunities and practices in professional writing, development of professional writing and editing skills in fiction and nonfiction, preparation of manuscripts for publication

304 Writing for Electronic Environments (3)
A course that teaches clear and coherent writing in electronic environments, including multimedia publication, Web page and document design, and computer documentation, instructions, and manuals

305 Technical Writing (3)
Writing and editing technical manuals and reports, layout and production of technical document with practice in computer applications

306 Nonfiction Writing (3)
Writing and editing nonfiction for academic and commercial publications, specialized audience analysis, preparation of manuscripts for presentation at professional conferences  PREQ  303 or permission of instructor

307 Professional Editing and Publishing (3)
Advanced practicum in student's chosen area in professional writing, editing practices and production, copyright and libel law  PREQ  101 and 102

308 Fiction Writing (3, R6)
Study and practice of technique and form in fiction writing, workshop discussion of students' stories and assigned exercises, original work and revision  PREQ  303 or permission of instructor

309 Poetry Writing (3, R6)
Study and practice of technique and form in poetry writing, emphasizing traditional as well as free verse, analysis of contemporary poetry, students' poetry read for class criticism  PREQ  303 or permission of instructor

310 Screenwriting (3)
Introduction to writing teleplays and screenplays, preparation of original manuscripts for agents  PREQ  101 and 102

312 Grammar for Teachers (3)
The grammar of standard American English  For students who wish to pursue careers in teaching English and language arts

313 Authoring Multimedia (3, R6)
Applying the principles of clear professional writing to the creation of multimedia communications that incorporate text, art, audio, and video
332 Literary Theory (3)  
Study of literary theory's most compelling issues and current schools of thought: Deconstruction, Feminism, Psychoanalysis, New Historicism, Marxism, Race and Ethnicity, Post-Colonial, Ecocriticism

333 Introduction to Shakespeare (3)  
General survey of Shakespeare's life, times, and most popular plays

350 The Renaissance (3)  
Examines the Renaissance, the rise of religious debate, print culture, humanist philosophies, voyages of discovery, and the effect these had on art and literature. PREQ 101 and 102 (P4)

351 The Beats, Radicals, and Avant-Garde Literature (3)  
An examination of the literature of the Beat movement and other radical, avant-garde, and protest movements to determine how disenfranchised groups change cultural perceptions. PREQ 101 and 102 (P4)

352 The Journey in Literature (3)  
Examines literature with the journey as its focal point, both in short pieces like poems and short stories as well as in longer, epic works. PREQ 101 and 102 (P4)

365 African-American Writings (3)  
A survey of writings by African-American authors, from the earliest slave narratives through contemporary fiction and nonfiction

367 Appalachian Literature (3)  
A survey of the poetry, fiction, and nonfiction works from the Southern Appalachian region with particular emphasis on cultural and historical themes of the region. PREQ 101 and 102 (P4)

370 The Short Story (3)  
History and development of the short story in Western literature

378 Film History (3)  
An introduction to the key stages in the history of narrative film and its development as an artistic and cultural phenomenon in the twentieth century

389 Cooperative Education Professional Writing (1 or 3, R15)  
PREQ 303 See Cooperative Education Program

390 The Bible as Literature (3)  
The Bible as literature examines key portions of the Bible, exploring its array of subjects and themes, and of literary styles and genre. PREQ 101 and 102 (P4)

401 Writing for Careers (3)  
Theory and application of rhetoric in professional communication, emphasis on triad of author, subject, and audience. Practical assignments: memos, letters, resumes, reports, and persuasive messages

405 Advanced Creative Writing (3)  
Intensive study and practice of creative writing, emphasis on required individual projects. PREQ Satisfactory writing sample and permission of instructor

411 History of the English Language (3)  
Origins and development of the English language from the beginnings to the present

412 Grammar for Writers (3)  
The grammar and editorial practices of standard American English. For students who wish to explore careers in writing
414 Fundamentals of Teaching Composition (3)
Theoretical and practical basis for designing and teaching composition course, analysis of rhetorical, cognitive, and linguistic approaches. Practical, research-based techniques and issues. Offered every spring semester.

415 Linguistics (3)
Introduction to sound systems, word systems, sentence patterns, social/regional dialects, psycholinguistics, child/adult language acquisition, historical linguistics, linguistic reconstruction, neurolinguistics, pragmatics, language typology.

416 Teaching English as a Second Language (3)

417 Methods for Teaching English (3)
Methods, materials, curriculum, and trends in teaching in the secondary schools. Preq: Admission to the teacher education program.

420 Chaucer and His Age (3)
Chaucer's major poetry, emphasis on Troilus and Criseyde and The Canterbury Tales, selected readings from the works of contemporaries.

421 Fairy Tale Literature (3)
The genre of the fairy tale, its structure and theme, its influence on children's literature as well as mainstream literature.

430 English Literature of the Renaissance (3)
Representative Tudor and Jacobean prose and nondramatic poetry.

431 Shakespeare and His Age (3)

440 Milton and His Age (3)
Milton's major poems, selections from his prose, readings from works of contemporaries.

441 The Age of Pope, Swift, and Johnson (3)
Selections from the works of Pope, Swift, Johnson, and their contemporaries.

450 Major American and British Writers (3, R9)
Selected works of one or more important authors from a single historic period.

451 Nineteenth-Century British Writers (3)
The poetry and fiction of the major Romantic and Victorian authors, including Wordsworth, Coleridge, Keats, Shelley, Tennyson, Browning, Arnold, and Dickens.

455 The English Novel (3)
Selected eighteenth- and nineteenth-century novels of such writers as Defoe, Richardson, Fielding, Smollet, Austen, Scott, Dickens, Thackeray, and Hardy.

463 American Literature Since 1945 (3)
Post-World War II American literature and its influences from other nationalities, especially those of Latin America and Canada.

464 Native American Literature (3)
Ancient oral tradition and contemporary works. Perceptions of culture, environment, and time observed in "old ways" stories, how influences emerge in "new way" poetry and fiction.

467 Film Genres (3, R6)
An introduction to several film genres or an intensive exploration of one film genre—such as comedy, horror, science fiction, documentary, or musical.
468 Film Studies (3, R6)
Focus on a narrower area of film study, such as a specific direction, period of film history, or nationality of filmmakers

470 Twentieth-Century Commonwealth Literature (3)
Poetry, fiction, and drama from the most prominent writers in those countries in which English is a common medium for literature

471 Modern Poetry (3)
Developments in poetry, forms, and readership. Frost, Yeats, Hardy, Pound, Eliot, Moore, Neruda, Sexton, Plath, Rich, Lowell, Brooks, etc. examined in context of current criticism

472 Modern Fiction (3)
How modern texts move away from traditionally "representational" ways of developing plot, character, setting, and point of view. Works examined in context of current criticism/theory

473 Modern Drama (3)
Introduction to major figures of theatrical production from 1875 to contemporary, from realistic social dramas to surrealistic dream plays. Includes "acting out" and field trips

475 The American Novel (3)
Selected novels of major American writers

477 Literature and Gender (3)
Study of literature by or about women, the relationship of men and women in literature, feminist issues from a literary perspective

478 Film as Literature (3, R6)
A focused study of common literary and/or philosophical themes, such as existentialism, romanticism, naturalism, realism, views of America, or family relationships

479 Studies in Literature (3, R6)
Topics vary

480 Studies in English (1-3, R6)
Independent study/directed research in English. PREQ Permission of instructor and department head

483 Writing Internship (3, 3, 3)
Practical experience in a writing-related setting. S/U grading. PREQ 303. 9 hours per week per course

493 Topics in Creative Writing (1-3, R6)
Study and practice of writing in a special area, e.g., the novel, drama, science fiction, juvenile literature. PREQ 303 or permission of instructor

494 Special Topics in Advanced American English for Non-Native Speakers (1, R6)
An advanced academic writing skills class for upper level undergraduates whose native language is not English. Focus will be both on rhetorical style and on mechanics (grammar and punctuation). Credit not applicable toward hours for graduation

496 Seminar in Comparative Literature (3)
World literature in translation

497 Senior Seminar in Writing (3)
Capstone course for journalism and professional writing concentrations. Minors in creative writing, journalism, and professional writing may be admitted with instructor’s permission. PREQ Senior standing

498 Senior Seminar in Literature (3)
Capstone course for the literature concentration. PREQ Senior standing
## Graduate Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>501</td>
<td>Writing for Careers</td>
<td>3</td>
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<tr>
<td>514</td>
<td>Fundamentals of Teaching Composition</td>
<td>3</td>
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<tr>
<td>515</td>
<td>Linguistics</td>
<td>3</td>
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<td>516</td>
<td>Teaching English as a Second Language</td>
<td>3</td>
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<td>517</td>
<td>Methods of Teaching Literature</td>
<td>3</td>
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<tr>
<td>550</td>
<td>Major British Writers (3, R9)</td>
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<tr>
<td>564</td>
<td>Native American Literature</td>
<td>3</td>
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<td>571</td>
<td>Modern Poetry</td>
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<td>572</td>
<td>Modern Fiction</td>
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<tr>
<td>573</td>
<td>Modern Drama</td>
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<tr>
<td>580</td>
<td>Studies in English (3, R6)</td>
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<td>589</td>
<td>Co-op Writing and Editing (3, R6)</td>
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<td>600</td>
<td>Selected Ethnic Literature</td>
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<td>601</td>
<td>Gender Studies</td>
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<td>African-American Literature</td>
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<td>Writing for the Marketplace</td>
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<td>Writing for Electronic Environments</td>
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<td>Technical Writing for Business and Industry</td>
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<td>606</td>
<td>Nonfiction Writing</td>
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<td>607</td>
<td>Breaking into Publishing</td>
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<td>608</td>
<td>Fiction Writing</td>
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<td>Second Language Acquisition and TESOL Methodology</td>
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<td>Victorian Literature</td>
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<td>Nineteenth-Century British Fiction</td>
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<td>Early American Literature through Romanticism</td>
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<td>American Realism through Modernism</td>
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<td>670</td>
<td>Early Twentieth-Century British Literature</td>
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<td>676</td>
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<td>677</td>
<td>Twentieth-Century Literary Criticism and Theory</td>
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<td>693</td>
<td>Special Topics in English (3, R6)</td>
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<td>699</td>
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<td>799</td>
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</tbody>
</table>

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## Entrepreneurship (ENT)

### 250 Innovation and Creativity (3)
Developing and enhancing individual and organizational creativity and innovation

### 301 Innovation in Business (3)
Developing, enhancing, and maintaining innovation in a business or organization

### 325 New Venture Creation (3)
Planning and executing the creation of a successful entrepreneurial venture

### 350 New Venture Growth (3)
Instituting and expanding a successful entrepreneurial venture

### 389 Cooperative Education (1-3, R6)
**PREQ** Permission of instructor

### 475 Entrepreneurship (3)
The role of entrepreneurial activity in driving economic and environmental turbulence and creating competitive advantage under such conditions

### 482 Independent Study (1-3, R6)
**PREQ** Permission of instructor

### 483 Internship (1-3, R6)
**PREQ** Permission of instructor

### 493 Topics in Entrepreneurship (1-6, R9)
**PREQ** Permission of instructor
Environmental Health (ENVH)

130 Environmental Health Science Systems and Solutions (3)
A comprehensive overview of environmental health science connecting the natural environment to human society. Exploration of environmental issues and sustainability (P2)

230 Introduction to Environmental Health Science (3)
Survey of human impacts on the environment and health problems caused by environmental factors

310 Water Quality Control (4)
Environmental management practices related to water pollution and water quality.
PREQ 230 3 Lecture, 2 Lab

312 Solid and Hazardous Waste Management (3)
Techniques for management and disposal of solid and hazardous waste. Pollution problems associated with solid and hazardous waste.
PREQ Environmental health major

320 Institutional and Residential Environment (3)
An introduction to the basic health and safety issues in modern housing and institutional settings.
PREQ 230 2 Lecture, 2 Lab

330 Food Protection and Sanitation (4)
Principles and techniques applied to the protection of food and milk for human consumption.
3 Lecture, 2 Lab

340 Environmental Health Practices (3)
Environmental protection through the study of environmental topics, control methods, and techniques to enhance practice.
PREQ 230

375 Environmental Toxicology (3)
The monitoring, effects, and control of toxic materials in the environment. Mechanisms of action of toxic chemicals in humans and other organisms.
PREQ 230, CHEM 133, and BIOL 292

389 Cooperative Education in Environmental Health (1 or 3, R12)
PREQ HSCC 389 See Cooperative Education Program

430 Medical and Veterinary Entomology (4)
Vectors responsible for arthropod-borne diseases of medical and veterinary importance.
PREQ Permission of instructor 2 Lecture, 4 Lab

440 Air Quality Control (4)
Evaluating and monitoring air quality, effects of pollution control and lab procedures in air quality investigation.
PREQ Environmental health major 3 Lecture, 2 Lab

457 Industrial Hygiene (3)
Health aspects of industry relative to the environmental factors of shelter, waste, and air.
PREQ Environmental health major or permission of instructor

458 Environmental Regulation and Law (3)
Basic concepts of environmental law including the workings of the justice system, the litigation process, witness testimony, and laws.
PREQ 230 or permission of instructor

460 Senior Seminar in Environmental Health (1)
Exploration of current issues in environmental health.
PREQ Senior status
470 Principles of Epidemiology (3)
Principles and applications to investigation, control, and prevention of disease
PREQ Environmental health major or permission of instructor

475 Environmental Program Administration (3)
Intensive study of regulatory program administration, focus on development, implementation, and evaluation of programs in the governmental sector

480 Independent Study in Environmental Health (1-2, R4)

483 Environmental Health Internship (3, R6)
Supervised experience in an approved clinical or environmental health facility
PREQ Environmental health major or permission of instructor 9 weeks, full-time

493 Topics in Environmental Health (1-3)
Studies in special areas of interest in environmental health
PREQ 230, permission of instructor

Graduate Courses
570 Principles of Epidemiology (3) 670 Water Quality (3)
575 Environmental Program Administration (3) 671 Environmental Regulation and Law (3)
655 Hazardous Materials and Waste Management (3) 675 Loss Control through Industrial Hygiene (3)

Finance (FIN)

250 Introduction to Investing (3)
Fundamentals of investing in stocks, bonds, mutual funds, preserving and growing wealth

302 Real Estate (3)
Financing sources of funds, loan contracts, mortgage analysis, role of government, real estate law

305 Financial Management (3)
Financial analysis and planning, time-value of money, risk, leverage, capital acquisition, management and budgeting
PREQ ACCT 161 or 251

310 Introduction to Financial Planning, Risk Management, and Insurance Planning (3)
Developing, presenting and monitoring client financial plans, types of insurance, risk management

335 Financial Institutions (3)
An introduction to the financial services industry institutions, money, capital, and derivative instruments
PREQ 305

389 Cooperative Education in Finance (1 or 3, R15)
PREQ 2.0 GPA on courses in business See Cooperative Education Program

401 Life Insurance (3)
Functions and uses of life insurance, contract analysis, legal aspects, group policies

403 Real Estate Brokerage and Finance (3)
Law of agency, theories of value, real estate finance
PREQ 302

405 Corporate Financial Decisions (3)
Sources and forms of long-term financing, financial structure, dividend policy, timing of financial policy, mergers, and failure
PREQ 305 COREQ ACCT 301

406 Investment Strategies (3)
Investments for individuals, institutions, and business, securities and securities markets
PREQ 305
407 International Finance (3)
International financial environment, exchange rate behavior, exchange rate risk management, and multinational business asset and liability management  PREQ 305

409 Entrepreneurial Finance (3)
Problems in cash management, financing small business, problems associated with new ventures  PREQ 305, MGT 401

410 Retirement Planning (3)
Retirement planning, goals, strategies, implementation and employee benefits  COREQ 305

480 Independent Research (3)
PREQ Permission of department head

483 Internship in Finance (3, R9)
484 Work experience in finance  S/U grading  PREQ Junior standing, 2.0 GPA, written application, permission of department head, minimum of 10 hours per week

493 Topics in Finance (1-3, R6)
PREQ Permission of department head

495 Seminar in Financial Management (3)
Analysis of problems in business finance using the case method  PREQ 305 COREQ ACCT 301 or permission of instructor

496 Seminar in Financial Planning (3)
Integration of alternative investment instruments and opportunities, tax planning and strategies, retirement and estate planning, with computer software applications  PREQ 305 and 406

Graduate Courses
601 Financial Management (3) 682 Research Project in Finance (3, R6)
602 Investment Analysis and Portfolio Management (3) 693 Topics in Finance (3, R6)

Forestry (FOR)
131 Introduction to Forest Resources (3)
The profession of forestry, its scope and opportunities, forest resource conservation and utilization, field exercises in forestry practices  PREQ Pre-forestry major

French (FREN)
101 Experiencing French and the Francophone World (3)
Students develop basic knowledge of the francophone world, and through that content, acquire basic functional proficiency in French  (P6)

102 Experiencing French and the Francophone World II (3)
Building on their knowledge of the francophone world, students increase their basic functional proficiency in French  PREQ Some competency in French or consultation with the instructor  (P6)

105 The French-Speaking World (3)
Study of French culture and its relationship to the cultures of countries and regions where French is spoken

110 Experiencing French and the Francophone World Accelerated (6)
Students learn about the francophone world, acquiring basic linguistic proficiency in French  Three credits only in Liberal Studies  4 Lecture, 5 Lab  (P6)
133 French for Travelers (2)
A practical guide to travel in French-speaking countries, basic conversational French, tourist information, and travel facts

231 Intermediate French I, II (3, 3)
Continuation of written and oral French grammar, readings and discussions on French culture and civilization, readings in more specialized areas, lab practice may be assigned. PREQ 102 or equivalent or placement for 231, 231 or equivalent or placement for 232

240 Accelerated Second-Year French (6)
Continuation of 110, increased emphasis on reading, writing and the study of the culture of the francophone world. PREQ 110 or permission of instructor. 4 Lecture, 5 Lab

301 French for Everyday Use I (3)
Emphasis on enhancing oral and written communication skills in realistic everyday situations. PREQ 232 or 240 or equivalent, or permission of department head

302 French for Everyday Use II (3)
Emphasis on enhancing oral and written skills in realistic, everyday situations. PREQ 232 or 240 or equivalent or permission of department head

303 Applied French Conversation (3, R6)
Apprenticeship in the intensive language program. Does not count toward major, minor, or DFA in foreign languages. PREQ 232 or 240, sophomore standing, selection by faculty. 10 Lab

304 Commercial French I, II (3, 3)
305 Review of vocabulary and styles used in French business letters, various aspects of French business institutions. PREQ 232 or 240

310 Introduction to French Prose and Poetry (3)
Introduction to French literary texts, reading and analysis of literary works. PREQ 232 or 240

321 French Civilization (3)
Geographical, political, cultural, and historical aspects of France from its origins to the present. PREQ 232 or 240. PREQ or COREQ 301 or 302 or permission of department head

322 Francophone Cultures (3)
A study of the cultures and regions in which French is a native or major language. PREQ 232 or 240. PREQ or COREQ 301 or 302 or permission of department head

331 Survey of French Literature I, II (3, 3)
332 The main literary movements, authors, and works since the twelfth century, course division at the eighteenth century. PREQ 232 or 240. PREQ or COREQ 301 and 302 or permission of department head

371 Twentieth-Century French Novels in Translation (3)
Selected works by Proust, Gide, Mauriac, Camus, Saint-Exupery, and Colette. No knowledge of French required, not open to French majors.

389 Cooperative Education in French (1 or 3, R15)
PREQ 301, 302. See Cooperative Education Program

393 Special Topics in French (1-3, R6)
PREQ 232 or 240
Contrastive Structures in French and English (3)
Study of similarities and differences of the two languages with an emphasis on the morphology, syntax, vocabulary, phonology, and issues concerning L2 acquisition. PREQ or COREQ 301, 302, or permission of department head.

Methods of Teaching Foreign Language (3)
Methods and materials for teaching second languages in grades K-12. PREQ Admission to the professional education sequence, EDCI 321.

Studies in French Literature (3, R6)
Intensive study of an author or authors, a genre, movement, school, or literary period. PREQ 232 or 240. PREQ or COREQ 301 and 302 or permission of department head.

Advanced French Grammar (3)
Comprehensive study of the more difficult grammatical forms and usages. PREQ 232 or 240. PREQ or COREQ 301 and 302 or permission of department head.

Advanced French Conversation (3)
Discussion of selected topics, oral reports on assigned readings, situational dialogues emphasizing practical, everyday French. PREQ 232 or 240. PREQ or COREQ 301 and 302 or permission of department head.

Independent Studies in French (1-3, R6)
PREQ 232 or 240. PREQ or COREQ 301 and 302 or permission of department head.

Population Geography (3)
Analysis of global patterns of human population. Population composition, fertility/mortality, migration are considered. Theories of population change and environmental impacts (P1).

Cultural Geography (3)
Interrelations of man, earth, and culture, the geography of race, language, religion, political and economic patterns, population growth and movements (P6).

Environmental Geography (3)
Survey of man's physical habitat, including weather and climate, soils, vegetation, and landforms, emphasis on phenomena that most influence man.

Weather and Climate (4)
Meteorology (temperature, humidity, pressure, precipitation, winds, radiation), global heat budget, CO2 cycle, jet stream, air masses, fronts, storms, global distribution of climate. 3 Lecture, 2 Lab.

Geomorphology (4)
Classification, description, origin, and development of landforms, relationships to underlying structures and climates. PREQ 150 and GEOL 150. 3 Lecture, 2 Lab, field trip.

Soils and Hydrology (4)

Geographic Information Systems (3)
Principles and methods of geographic information systems. Discussion of spatial data, analysis, and display. Use of an operational geographic information system.

Cartography (4)
Map design and construction, basic projects, data gathering, and display methods. PREQ Permission of instructor. 2 Lecture, 6 Lab.
324 Introduction to Remote Sensing (4)
Interpretation and applications of remote sensing, satellite and aerial imagery, elementary photography, stereoscopic viewing, and photomapping. PREQ 150 or permission of instructor, GEOL 150 desirable. 3 Lecture, 2 Lab

350 Economic Geography (3)
Principles governing world distribution and production of economic and natural resources

389 Cooperative Education in Geography (1 or 3, R15)
See Cooperative Education Program

400 Natural Regions of North America (3)
Regions of the United States and Canada, landforms, geology, climates, soils, vegetation, water, emphasis on features most affecting man. PREQ 150 or GEOL 150

402 Conservation of Natural Resources (3)
Quantity, quality, and distribution of resources in the United States, dilemma of increasing demand on a dwindling resource base

424 Advanced Remote Sensing (3)
Interpretation and application of remotely sensed data on the earth's physical and cultural environments, major project required. PREQ Permission of instructor. 6 Lab

440 Topics in Regional Geography (3, R12)
Physical, economic, and social aspects of the geography of a selected region (Asia, Europe, USSR, Africa, North America, Middle East, Latin America)

441 Geography of Appalachia (3)
Physical, economic, and cultural aspects of the Appalachian Region. Analysis of locational patterns of environmental and human characteristics. PREQ Junior/senior standing

444 Political Geography (3)
Territorial and cultural elements in the formation of national and international boundaries, case studies

460 Urban and Regional Land Use Planning (3)
Principles and practices of urban regional planning, types of planning reports, applications to North Carolina. PREQ Permission of instructor

462 Introduction to Urban Geography (3)
Study of the spatial structure and function of urban places, theories of city origin and growth

464 Industrial Location and Community Development (3)
Measures of manufacturing, location theory, decision-making factors in the location of industry, community development planning practices. PREQ 350 or permission of instructor

483 Internship in Geography (3, 3, 3)
Practical application of academic training in an approved agency under faculty supervision. S/U grading. PREQ Junior standing. 9 hours per week per course

484 Topics in Geography (1-3, R6)
Presentation and discussion of subjects of current interest. PREQ Permission of instructor

493 Special Problems (1-3, R6)
Directed individual research on selected topics. PREQ Permission of instructor
495 Senior Seminar in Geography (3)
Readings in historical/philosophical foundations and currents topics in geography
Written and oral presentation of student research  
PREQ  Senior standing or permission of instructor  3 Seminar

Graduate Courses
502 Conservation of Natural Resources (3)  564 Industrial Location and Community Development (3)
540 Topics in Regional Geography (3, R12)  591 Topics in Geography (1-3, R6)
544 Political Geography (3)  593 Special Problems (1-3, R6)
560 Urban and Regional Land Use Planning (3)  693 Special Problems in Geography (3, R6)
562 Introduction to Urban Geography (3)

Geology (GEOL)

110 Environmental Geology (3-4)
Evaluation of geological phenomena that shapes the human environment, geohazards, water, environmental health, mineral and energy resources, global change  
3 Lecture, 2 Lab  (Lab is optional)

140 Investigations in Environmental Geology (3)
Class will conduct a holistic investigation of a problem in environmental geology using basic principles and methods of science and geology, investigation topics will vary (P2)

150 Methods in Geology (4)
Topics related to earth materials and solid and surficial earth processes explored through field, analytical, and computing methods, developing investigation and communication skills  
3 Lecture, 3 Lab  (P2)

155 Historical Geology (4)
Major events and changes in life forms in North American geological history, fossils, ancient environments, and geologic interpretation  
3 Lecture, 2 Lab

191 Geology, Landscapes, and the Human Psyche (3)
How the physical world determines the appearance, climate, and ecology of our planet and how this physical landscape reflects a region's history, literature, and human ecology (P2)

250 Introduction to the Rock Forming Minerals (2)
Descriptive mineralogy emphasizing hand specimen identification of common rock forming minerals, occurrences, associations, crystallization, and classification, includes topics in crystallography, crystal chemistry and optical mineralogy  
PREQ  140 or 150 and CHEM 132 or 140

260 Oceanography (3)
Interdisciplinary study of the ocean through an examination of its physical, biological, and chemical processes  
PREQ  Any 100 level biology, chemistry, or geology course

302 (GEOG 302) Geomorphology (4)

305 (GEOG 305) Soils and Hydrology (4)
Soil genesis, properties, and classification, the hydrologic cycle, surface runoff and groundwater, water budgets and water quality, management of soils and water  
PREQ  Permission of instructor  3 Lecture, 2 Lab

330 (PHYS 330) Geophysics (4)
The physics of the Earth  
Topics include theory and applications of gravity, magnetics, electricity, and seismicity to environmental and tectonic problem-solving in geology  
Field-oriented lab problems and applications  
PREQ  PHYS 130 or 230  COREQ  PHYS 131 or PHYS 231  3 Lecture, 3 Lab
350 Mineralogy II (2)
Principles of crystallography, crystal chemistry, and phase relationships, x-ray diffraction and atomic structure, optical mineralogy and thin section identification of minerals in rocks  COREQ 250 1 Lecture, 2 Lab

355 Petrology (2)
Introduction to igneous, sedimentary, and metamorphic rock genesis and their environments of formation, includes hand specimen and optical identification and fieldwork  PREQ 250 1 Lecture, 2 Lab

356 Advanced Petrology (2)
Petrogenesis of igneous and metamorphic rocks using geochemistry and phase equilibria studies of mineral assemblages under various temperature-pressure conditions  COREQ GEOL 355

371 Structural Geology (4)
Descriptive structural geology, emphasis on outcrop and regional scale deformational features, use of maps and graphic techniques in structural analysis  PREQ 250 and two 100 level geology courses  Field trips 3 Lecture, 3 Lab

389 Cooperative Education in Geology (1 or 3, R15)
See Cooperative Education Program

405 Hydrogeology (4)
Overview of basic principles and methods of hydrogeology with emphasis on groundwater, groundwater-surface water interactions, geologic controls, water chemistry, field investigations, and environmental problems  PREQ GEOL/GEOG 305 or GEOL/GEOG 302 or permission of instructor

422 Sedimentation and Stratigraphy (4)
The origin and interpretation of sedimentary rocks, the study of depositional environments, and the use of layered rocks in the interpretation and synthesis of the geologic record  Field trips 3 Lecture, 2 Lab

471 Tectonics (3)
History and development of tectonic concepts, geometry and kinematics of plate mosaic, evolution of modern and ancient orogenic belts  PREQ 355, 371, or permission of instructor  Field trips 2 Lecture, 2 Lab

491 Topics in Geology (1-4, R8)
Special course explores a current topic in geology or environmental geology  PREQ Junior standing or permission of instructor

493 Special Problems in Geology (1-4, R6)
Supervised research includes research proposal and written and oral final reports  PREQ  Permission of instructor

495 Senior Seminar in Geology (3)
Investigations of problems in geology and environmental geology  Written and oral presentations of student research  PREQ Senior standing or permission of instructor

499 Senior Thesis (2-4, R6)
An original research project culminating in a written thesis and public presentation of results  Projects may last 1 or 2 semesters  Senior standing  PREQ Permission of instructor  4 Lab

Graduate Courses
505 Hydrogeology (4)  601 Earth Sciences (3)
591 Topics in Geology (1-4, R8)  602 Earth Sciences (3)
593 Special Problems in Geology (2, R4)  693 Topics in Geology (1-3, R6)
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>101</td>
<td>Experiencing German and the German-Speaking World I</td>
<td>Students develop basic knowledge about the German-speaking world, and through that content, acquire functional proficiency in German (P6)</td>
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<tr>
<td>102</td>
<td>Experiencing German and the German-Speaking World II</td>
<td>Students build on their functional proficiency in German as they build on their cultural and real-world knowledge of the German-speaking world. PREQ Some competency in German or consultation with instructor (P6)</td>
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<td>110</td>
<td>Experiencing German and the German-Speaking World Accelerated</td>
<td>Students develop knowledge about the German-speaking world and through that content, acquire basic functional proficiency in German. Three credit hours only are applicable to Liberal Studies. Lecture, 5 Lab (P6)</td>
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<tr>
<td>190</td>
<td>Triumph and Tragedy Reflected in Modern German Film</td>
<td>Modern German culture and values as seen in film.</td>
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<td>204</td>
<td>A Literary Perspective on German Civilization</td>
<td>Selected German literary masterpieces as a reflection of German civilization. PREQ ENGL 102</td>
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<td>231</td>
<td>Intermediate German I, II</td>
<td>Continuation of written and oral German grammar, readings and discussions on German culture and civilization, readings in more specialized areas. Lab practice may be assigned. PREQ 102 or equivalent or placement for 231, 231 or equivalent or placement for 232</td>
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<tr>
<td>240</td>
<td>Accelerated Second-Year German</td>
<td>Continuation of 110, increasing emphasis on reading, writing, and the study of Germanic culture. PREQ 110 or permission of instructor. Lecture, 5 Lab</td>
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<tr>
<td>301</td>
<td>German for Everyday Use I</td>
<td>Emphasis on communicating in realistic situations in everyday practical German. PREQ 232 or 240 or equivalent, or placement, or permission of department head</td>
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<tr>
<td>302</td>
<td>German for Everyday Use II</td>
<td>Emphasis on communicating in realistic situations in everyday practical German. PREQ 232 or 240 or equivalent, or placement, or permission of department head</td>
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<tr>
<td>303</td>
<td>Applied German Conversation</td>
<td>Apprenticeship in the intensive language program. Does not count toward major, minor, or DFA in foreign languages. PREQ 232 or 240, sophomore standing, selection by faculty. Lab</td>
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<tr>
<td>304</td>
<td>Introduction to Business German Culture</td>
<td>The development of students' communicative competence while learning about the culture and language surrounding business German. PREQ 301 or 302</td>
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<tr>
<td>310</td>
<td>Introduction to German Prose and Poetry</td>
<td>Introduction to German literary texts, reading and analysis of literary works. PREQ 232 or 240</td>
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<tr>
<td>321</td>
<td>German Civilization I, II</td>
<td>Geographical, political, cultural, and historical aspects of Germany, course division at the nineteenth century. PREQ 232 or 240. PREQ or COREQ 301 and 302 or permission of department head</td>
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<tr>
<td>331</td>
<td>Survey of German Literature I, II</td>
<td>Major literary movements, authors, and works since the twelfth century, course division</td>
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at the nineteenth century \textsc{PREQ} 232 or 240 \textsc{PREQ} or \textsc{COREQ} 301 and 302 or permission of department head

389 \textbf{Cooperative Education in German} \textsc{(1 or 3, R15)}
\textsc{PREQ} 301, 302 See Cooperative Education Program

393 \textbf{Special Topics in German} \textsc{(1-3, R6)}
\textsc{PREQ} 232 or 240

401 \textbf{Contrastive Features of German and English} \textsc{(3)}
Study of similarities and differences of the two languages regarding phonology, morphology and syntax, and issues concerning L2 acquisition \textsc{PREQ} 232 or 240 \textsc{PREQ} or \textsc{COREQ} 301 and 302, or permission of department head

420 \textbf{Methods of Teaching Foreign Language} \textsc{(3)}
Methods and materials for teaching second languages in grades K-12 \textsc{PREQ} Admission to the professional education sequence, EDCI 321

431 \textbf{Studies in German Literature} \textsc{(3, R6)}
Intensive study of an author or authors, genre, literary movement, school, or literary period \textsc{PREQ} 232 or 240 \textsc{PREQ} or \textsc{COREQ} 301 and 302 or permission of department head

451 \textbf{Advanced German Grammar} \textsc{(3)}
Comprehensive study of the more difficult grammatical forms and usages \textsc{PREQ} 232 or 240 \textsc{PREQ} or \textsc{COREQ} 301 and 302 or permission of department head

452 \textbf{Advanced German Conversation} \textsc{(3)}
Discussion of selected topics, oral reports on assigned reading, situational dialogues emphasizing practical, everyday German \textsc{PREQ} 232 or 240 \textsc{PREQ} or \textsc{COREQ} 301 and 302 or permission of department head

481 \textbf{Independent Studies in German} \textsc{(1-3, R6)}
\textsc{PREQ} 232 or 240 \textsc{PREQ} or \textsc{COREQ} 301 and 302 or permission of department head

\textbf{Health Education} \textsc{(HEAL)}

120 \textbf{Personal and Community Health} \textsc{(2)}
Philosophy, knowledge, practices of health, coping with problems of living

123 \textbf{Health and Wellness} \textsc{(3)}
Foundations in health/wellness Provides students opportunities to improve wellness related skills and knowledge Includes physical activities that integrate physical fitness into lifelong wellness \textsc{(C4)}

250 \textbf{First Aid and Safety Education} \textsc{(2)}
Prevention and care of accidents and injuries, including American Red Cross training courses

305 \textbf{Current Health Problems} \textsc{(3)}
Incidence, diagnosis, treatment, rehabilitation, and prevention of leading community health problems, addictions, individual, family, and community effects, positive mental health as a deterrent

311 \textbf{(PE 311) Measurement and Evaluation} \textsc{(2)}
Study and use of methods of testing, measuring, and evaluating health status, statistical analysis of data
312 Comprehensive Health Education (3)
Comprehensive health education including a philosophy and strategies for teaching comprehensive health education, and study of selected topics related to personal and community health problems. PREQ: Junior standing.

360 Sexually Transmitted Diseases (2) (Formerly HEAL 260)
Factual information of sexual anatomy and functioning, concepts of sexually transmitted diseases and AIDS, and how decisions, behaviors, and lifestyles may affect our health. 2 Lecture.

Health Information Management (HIM)

301 Introduction to Health Information Management (3)
Orientation to medical institutions, history of medical records, components, development, and use of health information, functions of health information departments. 2 Lecture, 2 Lab.

303 Planning and Organizing in Health Information Management (2)
Applications of principles of planning and organizing in the management of health information services. PREQ: 301. COREQ: 402, 405, and 410.

310 Fundamentals of Clinical Medicine for Health Information Management (3)

389 Cooperative Education in Health Information Management (1 or 3, R12)
See Cooperative Education Program.

402 Controlling Resources in Health Information Management (2)
Application of principles of production, budgeting, and cost control in the management of health information services. PREQ: 301.

403 Health Data Collection (3)
Computing, reporting, displaying, interpreting, and analyzing healthcare statistics. Principles of applied research for the health information profession. COREQ: 495.

404 Health Information Classification Systems I (4)
Basic ICD-9-CM coding for inpatients and outpatients, coding for prospective payment. PREQ: 301. COREQ: 310. 3 Lecture, 3 Lab.

405 Health Information Classification Systems II (3)

406 Topics in Health Information Management (2)
Various current topics in HIM projects in inservice education, data quality, and records in nonacute care facilities. COREQ: 485, 486, 495.

408 Health Care Information Systems (2)
Examines analysis, design, and implementation of automated systems for patient related and clinical data management. Additionally, overall review of the computerized patient record is accomplished. PREQ: 301. COREQ: 303.

410 Computers in Health Care (3)
Exposure to various computer systems in health care and the study of applications available to the HIM professional and the management of these systems. PREQ: 301. COREQ: 303.
412 Comparative Record Keeping and Regulations (2)
Theory and procedures for the maintenance and regulations regarding patient health records in nonacute care settings \text{ PREQ 301 and 484 \ COREQ 403 and 406 }

484 Clinical Practicum I (3)
Supervised practice in an acute-care facility \text{ COREQ 303, 402, 405, 408, 410 }

485 Clinical Practicum II (1)
Supervised practical application of previously studied theory related to health information functions in non-acute care facilities and other healthcare related facilities \text{ PREQ 484, COREQ 406, 486, 495 }

486 Clinical Practicum III (3)
Supervised practical application in an acute-care facility of previously studied theory relating to supervision and management of health information department personnel and functions \text{ PREQ 484, COREQ 406, 485, 495 }

495 Seminar in Health Information Management (3)
Discussion of problems the student may expect to encounter in health information management, research paper required, national registration exam simulation \text{ COREQ 403, 406, 412, 485, 486 }

Health Sciences (HSCC)

101 Nutrition, Fitness, and Wellness (3)
Dimensions of human wellness with an emphasis on physical health \text{ Application of skills will be encouraged, and self-responsibility will be highlighted 1 hour supervised physical activity every other week (C4) }

130 Introduction to Health Professions (3)
Survey of health specialties, the health sciences, and the preparation, values, and perspectives of health professionals, roles of members of the healthcare team

191 Does Inequality Make You Sick? (3)
A study of genetic, environmental, social, and economic influences as determinants of health, introducing an approach to problem solving using scientific, ethical, and social data \text{ (P1) }

220 Medical Terminology (3)
The meaning, construction, and use of terms in the medical and health sciences, standard medical abbreviations

231 Introduction to Health Promotion/Disease Prevention for Preschool Children (3)
An introduction to child growth and development, nutrition, and health promotion, primarily with Head Start-eligible children and their families \text{ 2 Lecture, 2 Lab }

232 Strategies for Health Promotion/Health Maintenance with Preschool Children (3)
Emphasis on acquisition and development of skills in history taking, screening activities, and planning and participating in the health care of Head Start-eligible children \text{ PREQ 231 2 Lecture, 2 Lab }

233 Practicum Health Promotion and Disease Prevention in Preschool Programs (3)
Emphasis on application and refinement in a field setting of knowledge and skills previously learned in HSCC 231 and 232 \text{ 9 Lab }

240 Introduction to Emergency Medical Care (3)
Basic life support, assessment and care of traumatic and medical emergencies, patient stabilization, meets state First Responder requirements
241 Basic Emergency Medical Techniques (2)
Patient assessment, CPR, airway management, splinting and bandaging, childbirth, rescue, and extrication  PREQ or COREQ 240  4 Lab/field

260 Etiology of Infectious Diseases (3)
Disease-causing bacteria, viruses, rickettsia, fungi, and animal parasites, disease-producing mechanisms and resistance to infection  2 Lecture, 2 Lab

310 Principles of Clinical Precepting (1)
Study of the principles of presenting, bench teaching, learning assessment, and entry-level performance in clinical laboratory teaching  PREQ Junior standing in CLS or permission of instructor

311 Systems and Trends in Health Care Delivery (3)
Overview of theories and principles concerning health, disease, and the delivery system Examination of emerging trends and issues and their relationship to the delivery system  PREQ Health sciences major or permission of instructor

320 Human Resource Management in Health Care Agencies (3)
Selected knowledge and skills related to recruiting, interviewing, selecting, training, and evaluating human resources in healthcare agencies

330 Legal and Legislative Aspects of Health Care (1-3)
The legal aspects of healthcare and legislative forces affecting it, impact on practitioners

370 Introduction to Pharmacology (1-3)
Principles, including the dynamics of drug activity, synthesis, and toxicity in drug therapy  PREQ BIOL 291, 292 and permission of instructor

389 Cooperative Education in Health Sciences (1 or 3, R15)
See Cooperative Education Program

440 Quality Management in Health Care Agencies (3)
Quality management terminology, methodology, principles, and selected case studies utilized in healthcare agencies as a vehicle for organizational research Introduction of managed care  PREQ Health sciences major or permission of instructor

450 Financial Management in Health Care (3)
Selected knowledge and skills related to budgeting and the financial management of clinical departments and service units  PREQ 320, 340, or permission of instructor

470 Research Methodology and Analysis in Health Science (2)
Overview of methodology and analysis for inquiry in health sciences, designed to prepare health sciences majors for assessing and conducting research  PREQ MATH 170 or PSY 251 or ECON 235

471 Research Project (1, R2)
Completion of a research study where the student works independently under the direction of a faculty adviser, within their discipline, in conducting and documenting research  PREQ 470

493 Special Topics (1-3)
Graduate Courses
Graduate courses are listed in the Graduate Catalog under Master of Health Sciences (MHS)
Higher Education (EDHE)

431 Foundations of Adult Education (3)
  Historical, sociological, psychological, and philosophical foundations of adult education, the nature and characteristics of adult learners, review of research

Graduate Courses

531 Foundations of Adult Education (3) 693 Topics in Higher Education (1, R3)
605 The Two-Year College (3) 695 Seminar on the Two-Year College (2)
610 Two-Year College Instruction (3) 710 (EDAD 710) Administration of Two-Year Colleges (2)
636 Two-Year College Curriculum Development (3) 683 Internship Two-Year College Administration I (2) 783 Internship Two-Year College Administration II (2)
686 Practicum in Two-Year College Teaching (2)

History (HIST)

107 (307) World Cultures in Historical Perspective (3)
  Comparison of Western culture and non-Western cultures, historical developments and their impact on the modern world (P3)

141 Turning Points in American History Paths Taken and Rejected (3)
  Exploration of one or several major turning points in American history (P3)

142 Lunatics, Dreamers and Ordinary People Biography in American History (3)
  A study of one or several individuals influencing or influenced by American history (P3)

151 Turning Points in European History Paths Taken and Rejected (3)
  Exploration of one or several major turning points in the history of Western Civilization (P3)

152 Lunatics, Dreamers and Ordinary People Biography in European History (3)
  A study of one or several individuals influencing or influenced by the history of Europe (P3)

171 Religion in America (3)
  An examination of religious texts and history in American culture (P4)

182 The Ancient Empires (3)
  An examination of the creation myths and history of the ancient empires of the Old and New Worlds (P4)

190 Freshman Seminar (3)
  Exploration of various topics in American, European, and Third World history using the seminar method (P3)

191 Freshman Seminar (3)
  Examination of the classic texts produced by a significant historical period, trend, or person(s) using the seminar method (P4)

221 European History to 1517 (3)
  Social, cultural, economic, and political developments that shaped European civilization from earliest times through the Reformation (P3)

222 European History Since 1517 (3)
  Social, cultural, economic, and political developments that shaped European civilization since the Reformation (P3)
231 American History to 1865 (3) (P3)
232 American History Since 1865 (3) (P3)
297 Sophomore Seminar (3)
  Historical methods, historiography, and directed research
311 Ancient Greece and Rome (3)
  Cultural, intellectual, and political developments in Greece and Rome, including the
  origins of Christianity (P3)
313 The Medieval World (3)
  Europe from the founding of Constantinople to the late medieval period (P3)
317 History of Twentieth-Century International Relations (3)
  Paris Peace Conference and aftermath, failure of League of Nations, World War II and
  the Cold War, emergence of the Third World, the Common Market (P3)
322 British History to 1603 (3)
  Ancient and Roman Britain, Anglo-Saxon society, the Middle Ages, Reformation
  and Tudor government and society, emphasis on England but includes Celtic history (P3)
323 British History Since 1603 (3)
  Constitutional struggles of the seventeenth century, the age of aristocracy, industrial
  transformation and nineteenth-century growth and reform, rise of the welfare state (P3)
327 Modern Russia (3)
  The pre-revolutionary background and the Soviet period (P3)
330 Modern Germany (3)
  Germany from 1815 to the present, with emphasis on development in the nineteenth and
  twentieth centuries in terms of political evolution and international situation (P3)
341 North Carolina History (3)
  The social, political, economic, and ethnic history of North Carolina from the colonial
  era to the present (P3)
361 Latin American History I (3)
  Indian civilizations, Spanish and Portuguese exploration, the conquistadores, colonial
  life, consolidation and maturity of empire, influence of the Enlightenment (P3)
362 Latin American History II (3)
  Revolutions, independence, struggle for political stability, popular government on trial,
  contests of hegemony, rise of indigenous nationalism (P3)
370 Early China (3)
  A chronological introductory survey of all aspects of traditional Chinese society from
  prehistory to the end of the 1700s
371 Modern China (3)
  Late Imperial China and the Nationalist and Communist revolutions (P3)
389 Cooperative Education in History (1 or 3, R15)
  See Cooperative Education Program
405 Methods for Teaching Social Science (3)
  Methods, materials, curriculum, and trends in teaching secondary social sciences
  PREQ (a) admission to the teacher education program, (b) GPA of 2.75 in social
  science courses in the major
411 Western Imperialism, 1500 to the Present (3)
  Western imperialism in Americas, Africa and Asia, World War I and its aftermath, the
  roots of Third-World independence movements
412 Early Modern Europe (3)
The Reformation, development of the modern state, Scientific Revolution, rise of capitalism, social change

413 Europe in the Eighteenth Century (3)
The Old Regime, wars of expansion, the Enlightenment, the French Revolution and Napoleon

414 Europe in the Nineteenth Century (3)
Post-Napoleonic settlement, internal, colonial, and imperial developments, unification movements, background for World War I

416 Europe in the Twentieth Century (3)
World War I, the Paris Peace Conference, domestic developments, the rise of “isms” in Russia, Italy, and Germany, World War II, postwar reconstruction and reorganization, the Cold War

425 Modern European Military History (3)
Focuses on the era of the two World Wars (1914-1945), emphasizing political, technological, and operational issues

431 Colonial America, 1492-1763 (3)
Political, social, economic, and cultural characteristics

432 The Revolutionary Era, 1763-1800 (3)
Causes and effects of the revolution, the War for Independence, the Constitution, the Federalist Era

433 The Young Republic, 1800-1848 (3)
Jeffersonian democracy, War of 1812, Era of Good Feelings, Jacksonian democracy, western expansion, the Mexican War

434 Civil War and Reconstruction, 1848-1877 (3)
Sectional differences, the secession movement, military operations, Reconstruction

435 Emergence of Industrial America, 1877-1929 (3)
Growth and conflict of organized industry and labor, agrarian decline and revolt, American Imperialism, progressive reform, World War I, postwar crises and prosperity

436 The United States Since 1929 (3)
Great Depression, New Deal, World War II, role as Cold War superpower, domestic developments

442 African American History (3)
Role of African Americans in American history, African background, religious, cultural, economic, and political institutions, civil rights, struggles, tension between assimilation and black nationalism

443 The American South (3)
Social structure and economic interests of the Antebellum South, impact of Civil War and Reconstruction, the New South, the twentieth-century South, emphasis on regional differences and social transition

445 Cherokee History (3)
Pre-contact Cherokee society, acculturation, removal, post-removal development of the Cherokee Nation West and the Eastern Band of the Cherokees

446 Southern Appalachian History (3)
History and folkways in the period of geographic isolation, changes in regional culture in an age of improved transportation and communications
<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Description</th>
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<tbody>
<tr>
<td>448</td>
<td>The American West (3)</td>
<td>Explores the history and literature of the trans-Mississippi West from the time of discovery through the present, emphasizing the period since 1800</td>
</tr>
<tr>
<td>451</td>
<td>American Women's History (3)</td>
<td>Role of women in American history, conflicting and changing ideologies of femininity and sexuality, women in the family, workplace, and politics</td>
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<tr>
<td>454</td>
<td>American Military History (3)</td>
<td>Military affairs in the United States from the Revolution to the present, emphasis on war as a social institution</td>
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<td>455</td>
<td>American Religious History (3)</td>
<td>Role of organized religion upon American history and culture, primarily since 1865</td>
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<td>463</td>
<td>History of the Mexican Nation (3)</td>
<td>Mexico since 1810, nineteenth-century conflicts, revolution, 1910-1917, progress to the present</td>
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<tr>
<td>471</td>
<td>Introduction to Public History (3)</td>
<td>Explores such topics as museum displays, reenactments, historical pageants, historic preservation, living history, interpretations, and public policy</td>
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<tr>
<td>472</td>
<td>Local History and Genealogy (3)</td>
<td>Role of the family and community in shaping state, regional, and national developments, emphasis on research techniques and local resources Lecture and fieldwork</td>
</tr>
<tr>
<td>473</td>
<td>Archives and Museum Management (3)</td>
<td>Preservation, management, and display of archival materials and museum artifacts, with emphasis on museum management Lecture and fieldwork</td>
</tr>
<tr>
<td>474</td>
<td>Introduction to Oral History (3)</td>
<td>Explores the uses of oral history, its relationship to other research techniques, the components of interviewing, and the field's numerous ethical, legal, and archival issues</td>
</tr>
<tr>
<td>478</td>
<td>Historic Sites and Historic Preservation (3)</td>
<td>Aspects of historic preservation, emphasis on aesthetic, legal, financial, and public relations considerations Lecture and fieldwork</td>
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<tr>
<td>483</td>
<td>Internship Project in History (3, 3, 3)</td>
<td>Work experience on historical problems, written assignments required S/U grading 9 hours per week per course</td>
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<tr>
<td>493</td>
<td>Topics in History (1-3, R12)</td>
<td>A comparative study of European and American ideas and institutions and the impact on the history of each culture PREQ 297 or permission of department head</td>
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**Graduate Courses**

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<td>Europe in the Twentieth Century (3)</td>
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<td>525</td>
<td>Modern European Military History (3)</td>
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<td>531</td>
<td>Colonial America, 1492-1763 (3)</td>
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<td>Japanese American Internment Camps (3)</td>
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<td>Topics in History (1-3, R12)</td>
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<td>551</td>
<td>Senior Seminar (3)</td>
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**Additional Courses**

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<tr>
<td>589</td>
<td>Cooperative Education in History (3)</td>
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<tr>
<td>593</td>
<td>Topics in History (1-3, R12)</td>
</tr>
<tr>
<td>631</td>
<td>American Historiography to 1900 (3)</td>
</tr>
<tr>
<td>632</td>
<td>American Historiography Since 1900 and Thesis/Internship Design (3)</td>
</tr>
<tr>
<td>633</td>
<td>Advanced Teaching Methodologies In Secondary Social Science Education (3)</td>
</tr>
<tr>
<td>680</td>
<td>Readings in History I (3, R6)</td>
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<tr>
<td>681</td>
<td>Readings in History II (3, R6)</td>
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</tbody>
</table>
Hospitality and Tourism (HT)

130 Introduction to Hospitality and Tourism (3)
An introductory survey course addressing the scope of the hospitality industry including travel, tourism, hotel, restaurant, club, cruiseline, and convention operations

230 Tourism Fundamentals (3)
An examination of tourism from a social science perspective using a cross-disciplinary approach. Emphasis on global factors and the impact of tourism on various societies

293 Topics (1-3, R12)

330 Rooms Division I (3)
A systematic approach to front office management including reservations, check-outs, settlements, forecasting, budgeting and evaluating

331 Rooms Division II (3)
Management of housekeeping operations, including personnel management, systems design, policy and procedures development, inventory management, furnishing and equipment procurement, safety, security, and interdepartmental coordination

332 Hospitality Service (3)
Practical skills and knowledge for effective management of food service operations with emphasis on time management, food service protocol, interactions with guests, guest expectations, and decor

333 Quantity Foods (3)
A study of food purchasing and production management. Emphasis on equipment, recipe development, purchasing and production control. PREQ Permission of instructor

335 Lodging and Resort Management (3)
Study of hotels, resorts, timeshares, condominiums, and other lodging facilities. Emphasis on facilities planning, departmental organization and operation, property management systems, and quality service considerations. 2 Lecture, 2 Lab PREQ 130

336 Club Management (3)
Course will include a study of organization administration, operations, and opportunities within the private club industry with emphasis on the club manager's duties

337 Meeting, Convention, and Event Planning (3)
Scope and segmentation of meetings, conventions, and special events, including marketing, sales strategies, negotiations, contracts, and techniques used to meet market needs

339 Food and Beverage Cost Control (3)
Theories and techniques of controlling costs of food and beverage, and labor cost in hotels and restaurants, analysis and evaluation of financial performance of the settings. PREQ ACCT 161 or 251
389 Cooperative Education (1 or 3, R15) See Cooperative Education Program

430 Restaurant Management (3)
Functions of management as applied to commercial food service systems Emphasis on menu development, procurement, production and service PREQ 130

431 Hospitality and Tourism Marketing (3)
A service management approach to the study of hospitality and tourism Marketing is viewed as an activity that pervades all hospitality decisions and actions PREQ 130

432 Hospitality Supervision (3)
Principles and practices of supervision as they apply specifically to meeting the unique labor and service challenges of the hospitality industry Includes CPR certification PREQ Senior standing

433 Institutional Food Systems (3)
An in-depth study of non-commercial food service management systems Emphasis on purchasing, menu planning, production, distribution, sanitation and personnel management 2 Lecture, 3 Lab

436 Tourism Planning and Development (3)
A comprehensive integrated approach to the issues associated with tourism planning, policy making, and development Case studies will be utilized PREQ 230

437 Bar and Beverage Operations (3)
Principles and practices of the production, selection, purchasing, storage, and service of beverage alcohol Emphasis on legal and social responsibility issues (Minimum age 21)

438 Senior Seminar (3)
Personal and career development, ethics and the integration of knowledge with related fields A senior project will be required PREQ Senior status

480 Independent Study (1-3, R6)

483 Internship (3, 3, 3)
484 Integration of theory and practice in a setting appropriate to the student’s career field S/U grading PREQ Permission of instructor 9 hours per week per course

493 Topics (1-12)

Human Resources (HR)

Graduate Courses
602 Human Resources Research and Evaluation Methods (3)
605 Orientation to Human Resources (3)
610 Human Resource Development (3)
611 E-Learning (3)
612 Instructional Design (3)
615 Organization Development (3)
616 Web Publishing (3)
617 Performance Technology (3)
619 Assessment Methods in Human Resources (3)
620 The Design and Use of Instructional Gaming Simulations (3)
645 Consultation in Human Resources (3)
660 Career Development/Management Systems (3)
675 Leadership in Human Resources (3)
676 Guided Projects in Organization Performance (3)
677 Advanced Web Publishing (3)
678 Guided Projects in E-Learning (3)
683 Field Experience in Human Resources (3)
693 Selected Topics in Human Resources (3, R6)
698 Seminar in Human Resources (3)
779 Continuing Research—Non-Thesis Option (1, R10)
Industrial Distribution (ID)

230 Industrial Distribution (3)
The flow of industrial goods and services through the industrial distributor

360 Industrial Distribution Organization (3)
Survey of organizational structure in manufacturing industries

370 Product Management and Inventory Control (3)
The study of the many aspects of industrial distribution product management. Topics to be covered may include computer systems and their uses, purchasing, and warehouse management PREQ 230 or permission of instructor

389 Cooperative Education in Industrial Distribution (1 or 3, R15)
See Cooperative Education Program

440 Information Management and Technology in Industrial Distribution (3)
Using information technology to provide distributors a strategic advantage over their competitors by facilitating problem solving, increasing productivity and quality, improving customer service, and enabling change

479 Industrial Distribution Seminar (3)
Covers through research, lecture and field trips, electronic data interchange, just-in-time distribution, distribution finance, bar coding, take-offs and quotes from catalogs and specifications, other innovative concepts PREQ 230, 360 or permission of instructor

480 Problems in Industrial Distribution (1-3)
Independent study of problems in industrial distribution, project required PREQ Industrial distribution major and permission of instructor

493 Special Topics (1-3, R6)
PREQ Industrial distribution major and permission of instructor

Industrial and Engineering Technology (IET)

Graduate Courses
510 Topics in CADD (3, R6) 610 (HE 610) Vocational/Technical Evaluation (3)
514 Career Exploration (3) 630 Trends in Industrial Education (3)
521 Ergonomics (3) 632 Administration of Industrial Education (3)
522 Advanced Polymer Technology (3) 636 Cooperative Vocational Education (3)
524 Facilities Management and Maintenance (3) 650 Program Planning in Vocational/Technical Education (3)
534 Plant Layout (3) 680 Independent Study (3, R6)
560 Industrial Materials and Processes (3) 695 Seminar in Industrial and Engineering Technology (1-3, R3)
570 Advanced Electronics (3) 699 Thesis (3, R6)
589 Cooperative Education in Industrial Technology (3, R6) 779 Continuing Research—Non-Thesis Option (1, R10)
593 Topics in Indus and Engineering Tech (1-3, R6) 799 Continuing Research—Thesis Option (2, R24)
602 (FCS 602) Vocational Education History and Philosophy (3)
603 Applied Research and Design of Experiments (3)

Interior Design (IDES)

250 Introduction to Interior Design (3)
The study of design as applied to creative problem solving within the interior environment
251 Architectural Drafting and Design (3)
Architectural drafting techniques for communicating working drawings using plans, elevations, details, architectural standards, lettering, and paraline drawings 2 Lecture, 2 Lab

252 Survey of Interior Materials (3)
Analysis of manufacturing process, source, specification, and application of interior materials  COREQ 153 or permission of instructor

255 Space Planning (3)
Introduction to space planning for residential and commercial environments  Topics explored include zoning, furniture placement, circulation and accessibility  PREQ 250, 251 2 Lecture, 2 Lab

256 Perspective Drawing (3)
Visualization of space through various perspective views to illustrate a design concept using rendering drawing techniques  PREQ 250, 251, and ART 132 2 Lecture, 2 Lab

257 Architectural Construction Process (3)
Principles of building materials, construction techniques, and building codes  PREQ 251

350 History of Furniture and Design I (3)
Survey of art, architecture, and furniture from ancient time to the nineteenth century

351 Lighting Design (3)
Lighting design in residential and commercial spaces and the vital impact it plays on interiors  PREQ 255 2 Lecture, 2 Lab

352 Residential Design I (3)
The application of the design process to the development of small scale residential environments  PREQ 252, 255, 256, 257 2 Lecture, 2 Lab

353 Detailing and Design (3)
Casework, furniture, and architectural detailing and design  PREQ Permission of instructor

355 History of Furniture and Design II (3)
Development of art, architecture and furniture from nineteenth century to the present

356 Contract Design I (3)
The application of the design process to the development of small scale commercial environments  PREQ 351, 352 2 Lecture, 2 Lab

357 Kitchen and Bath Design I (3)
Utilizing the standards established by The National Kitchen and Bath Association, students learn how to properly design and document safe and functional kitchen and bath environments  PREQ 351, 352 2 Lecture, 2 Lab

358 CADD for Interior Design (3)
The advanced application of computer-aided drafting as a design tool for the interior designer  PREQ IDES 352 2 Lecture, 2 Lab

389 Cooperative Education in Interior Design (1 or 3, R15)
See Cooperative Education Program  PREQ Permission of program director
450 Residential Design II (3)  
Design of medium to large scale residential environments, which may include historical and/or cultural aspects  PREQ 352, 357, and 350/ or 355/ or ART History  2 Lecture, 2 Lab

451 Kitchen and Bath Design II (3)  
The further development of skills utilized in solving cabinetry related design applications  PREQ 357, 358  2 Lecture, 2 Lab

452 Senior Research (3)  
Supervised research directed toward a topic selected in consultation with the instructor  PREQ 356, 357, 358

455 Contract Design II (3)  
Design of medium to large scale commercial environments, which may include historical and/or cultural aspects  PREQ 356, 358, 452  2 Lecture, 2 Lab

456 Professional Practice in Interior Design (3)  
Methods of organizing and marketing design services, the use of business forms and contracts, and how to prepare for the job market  COREQ 457 or permission of instructor

457 Senior Project (3)  
Application of senior research  PREQ 452

460 Problem Solving in Design (3)  
Creative problem solving provides an opportunity to apply advanced design concepts and/or theories in a specific area of study  PREQ Permission of instructor  2 Lecture, 2 Lab

465 Travel Studies in Interior Design (6)  
This course is structured to immerse students in design settings and the cultural heritage of an international or domestic travel destination  PREQ Permission of instructor

480 Independent Study in Interior Design (1-3, R6)  
PREQ Permission of instructor

483 Internship (3, 3, 3)  
484 Integration of theory and practice in a setting appropriate to the student's career field  
485 S/U grading  PREQ Permission of program director

493 Topics in Interior Design (3, R9)  
Examination of current topics and trends in interior design  PREQ Permission of instructor

International Business (IBUS)

301 International Management (3)  
Managerial functions and skills applied to the international business environment  PREQ MGT 300

309 International Trade (3)  
Trade patterns among nations, effects of trade on participant countries, tariffs and quotas, balance of payments, exchange rates, international monetary system  PREQ ECON 231, 232
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Description</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>401</td>
<td>Information and Materials Exchange in International Business (3)</td>
<td>Operations strategy as it relates to fundamentals of logistics, supply chain management, operations management, operations, and e-commerce in the global business environment</td>
<td>PREQ MGT 300</td>
</tr>
<tr>
<td>480</td>
<td>Independent Research (3)</td>
<td>Three individual conferences</td>
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</tr>
<tr>
<td>483</td>
<td>Internship in International Business (3)</td>
<td>Ten hours per week of work</td>
<td></td>
</tr>
<tr>
<td>488</td>
<td>Study Abroad (3-15, R30)</td>
<td>Participation in WCU study abroad exchange program</td>
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</tr>
<tr>
<td>493</td>
<td>Topics in International Business (1-3, R6)</td>
<td>Permission of department head</td>
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<tr>
<td></td>
<td>Graduate Course</td>
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<tr>
<td></td>
<td>693 Topics in International Business (3, R6)</td>
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<tr>
<td>Japanese (JPN)</td>
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<tr>
<td>101</td>
<td>Beginning Japanese I (3)</td>
<td>Introduction to the study of Japanese language and culture Emphasis on speaking</td>
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<tr>
<td>102</td>
<td>Beginning Japanese II (3)</td>
<td>Continued study of Japanese language and culture Emphasis on speaking PREQ 101 or equivalent</td>
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<tr>
<td>231</td>
<td>Intermediate Japanese I (3)</td>
<td>Continued study of Japanese language and culture, with emphasis on oral development PREQ 102 or equivalent</td>
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<tr>
<td>232</td>
<td>Intermediate Japanese II (3)</td>
<td>Continued study of Japanese language and culture with emphasis on oral development PREQ 231 or equivalent</td>
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<tr>
<td>Management (MGT)</td>
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<tr>
<td>235</td>
<td>Statistics (3)</td>
<td>Descriptive and inferential statistical methods applied to managerial decision-making PREQ MATH 135</td>
<td></td>
</tr>
<tr>
<td>300</td>
<td>Introduction to Management (3)</td>
<td>Principles, issues, and practices of managing in modern organizations COREQ HM 430 for HM majors</td>
<td></td>
</tr>
<tr>
<td>302</td>
<td>Labor-Management Relations (3)</td>
<td>Critical roles of labor unions, legislative bodies and government regulations, negotiation of collective bargaining agreements and dispute resolution PREQ 300</td>
<td></td>
</tr>
<tr>
<td>304</td>
<td>Human Resource Management (3)</td>
<td>Staffing, training, evaluating, and rewarding employees, developing and implementing effective personnel programs PREQ 300</td>
<td></td>
</tr>
</tbody>
</table>
305 **Quantitative Business Analysis (3)**
Models for decision-making in operations management, including forecasting, network analysis, queuing theory, and simulation. Problem solving, total quality management and statistical process control are also introduced. **PREQ:** ECON 235 **COREQ:** 300

306 **Behavioral Science in Organizations (3)**
Examination of individual and collective human behavior in organizations. **PREQ:** 300

320 **E-Management: The Internet's Impact (3)**
Exploration of the effect of the Internet and new technology on productivity and management. Case studies of how established companies are developing their e-business strategies.

389 **Cooperative Education in Management (1 or 3, R15)**
See Cooperative Education Program.

400 **Organization Theory (3)**
Structure and process at the organizational level, size, complexity, formalization, goals, centralization and decentralization, and environment. **PREQ:** 306

401 **Small Business Management (3)**
Operations and strategies of small firms, integration of functional areas, economic, social, political, technological, and governmental factors. **PREQ:** 300 or permission of instructor.

402 **Production and Operations Management (3)**
Management processes for the creation of products and services, analytical techniques and controls. **PREQ:** 305

404 **Strategic Management (3)**
Capstone course integrating all aspects of the business core curriculum using case method, term projects, and/or computer simulations. **PREQ:** All Foundations of Knowledge for Business courses.

405 **Compensation Management (3)**
Design of compensation systems based on economic, behavioral science, and public policy models. **PREQ:** 304

407 **Interpersonal Behavior (3)**
Managerial interpersonal relationships, listening behavior, self-awareness. **PREQ:** 300

480 **Independent Research (3)**
Supervised, student-initiated research project. **PREQ:** Permission of department head.

483 **Internship in Management (3, 3, 3)**
Supervised work or research in applications of previously studied theory. **S/U grading:**

485 **Topics in Management (1-3, R6)**
Supervised work or research in applications of previously studied theory. **S/U grading:**

493 **Seminar in Management (3)**
Integration of management concepts, development of management knowledge and skills, preparation for the professional world of work. **PREQ:** or **COREQ:** All management courses in Foundations of Knowledge for Business and management major courses.
### Graduate Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>605</td>
<td>Organizational Behavior and Analysis (3)</td>
<td></td>
</tr>
<tr>
<td>606</td>
<td>Quantitative Analysis for Business I (3)</td>
<td></td>
</tr>
<tr>
<td>607</td>
<td>Strategic Management (3)</td>
<td></td>
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<tr>
<td>608</td>
<td>Human Resource Administration (3)</td>
<td></td>
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<tr>
<td>609</td>
<td>The Collective Bargaining Process (3)</td>
<td></td>
</tr>
<tr>
<td>611</td>
<td>Production and Operations Management (3)</td>
<td></td>
</tr>
<tr>
<td>613</td>
<td>Management of International Operations (3)</td>
<td></td>
</tr>
<tr>
<td>614</td>
<td>Managerial Career Development (3)</td>
<td></td>
</tr>
<tr>
<td>682</td>
<td>Research Project in Management (3, R6)</td>
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</tr>
<tr>
<td>693</td>
<td>Topics in Management (3, R6)</td>
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</tbody>
</table>

### Manufacturing Engineering Technology (MET)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>132</td>
<td>Engineering Graphics (3)</td>
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</tr>
<tr>
<td></td>
<td>Forms of industrial drawing, orthographic and pictorial projections, sketching and basic drawing board procedures 2 Lecture, 2 Lab</td>
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<tr>
<td>141</td>
<td>Engineering Materials (3)</td>
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<tr>
<td></td>
<td>Fundamentals of industrial materials, their mechanical, physical, and chemical nature as related to manufacturing processes 2 Lecture, 2 Lab</td>
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</tr>
<tr>
<td>231</td>
<td>Parametric Modeling in Engineering Design I (3)</td>
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<tr>
<td></td>
<td>Exposure to the broad spectrum of automated graphics and computer-aided design PREQ 132 2 Lecture, 2 Lab</td>
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<tr>
<td>242</td>
<td>Machining Processes (3)</td>
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<tr>
<td></td>
<td>Techniques of industrial machining processes PREQ 132, 141, MATH 144 or 145, PHYS 130 2 Lecture, 2 Lab</td>
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<tr>
<td>321</td>
<td>Statics and Strength of Materials (3)</td>
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<tr>
<td></td>
<td>Study of forces and the effect of forces acting on static bodies, including the stresses and deflections or deformations from applied loads PREQ 132, MATH 146, PHYS 130</td>
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<tr>
<td>331</td>
<td>Quality Control I (3)</td>
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<tr>
<td></td>
<td>Techniques for monitoring and assuring quality PREQ 141 and MATH 170, or permission of instructor</td>
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<tr>
<td>332</td>
<td>Quality Control II (3)</td>
<td></td>
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<tr>
<td></td>
<td>A continuation of MET 331 with emphasis on probability distribution, sampling, advanced control charting, reliability, and design of experiments PREQ 331 and MATH 170, or permission of instructor 2 Lecture, 2 Lab</td>
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</tr>
<tr>
<td>341</td>
<td>Computer-Aided Manufacturing Systems (3)</td>
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<tr>
<td></td>
<td>Manufacture of 2D and 3D parts utilizing computer-aided manufacturing equipment and software Conversion of CAD designs into numerical control programs for milling and turning PREQ 231, 242, and MATH 146 2 Lecture, 2 Lab</td>
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</tr>
<tr>
<td>342</td>
<td>Lean Manufacturing Systems Analysis and Planning (3)</td>
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<tr>
<td></td>
<td>Analysis of manufacturing system efficiency using lean concepts of value stream mapping, single piece flow, kaizen events, value added analysis, pull systems, and production control PREQ 141, MATH 170</td>
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</tr>
<tr>
<td>366</td>
<td>Manufacturing Materials and Processes (3)</td>
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<tr>
<td></td>
<td>Study of the nature, composition, and structure of various materials used in manufacturing Materials include ferrous and nonferrous metals, polymer, ceramics, wood, and fibers</td>
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<tr>
<td>393</td>
<td>Topics in Engineering Technology (1-3, R9)</td>
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</tr>
<tr>
<td>431</td>
<td>Automated Manufacturing (3)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Automated manufacturing systems, strategies, and methods commonly used in modern manufacturing Emphasis on control methods and computer integration PREQ 231, 342 and EET 302 and CS 130, or permission of instructor 2 Lecture, 2 Lab</td>
<td></td>
</tr>
</tbody>
</table>
436 Engineering Economic Analysis (3)
The study of economics as applied to engineering decision making  PREQ  342 and MATH 144 or 145 or permission of instructor

441 Fluid Power and Systems Analysis (3)
The study of hydrostatic fluid power components and systems specifically focused on industrial and manufacturing applications  PREQ  231 and PHYS 130 and MATH 153 or permission of instructor  2 Lecture, 2 Lab

463 Manufacturing Planning and Cost Estimating (3)
Correlation of design and manufacturing requirements, planning manufacturing operations for parts and assemblies, time/cost estimates  PREQ  ID 130

478 Senior Design Project Proposal (1)
Research methodology, literature review, and industrial project writing styles, culminating in a written report proposal for a senior project  S/U grading  PREQ  Senior standing and permission of instructor  COREQ  479

479 Senior Design Project (3)
Organizing, planning, and implementing a project using acceptable industrial techniques culminating in a formal written report and oral presentation  PREQ or COREQ  478  1 Lecture, 4 Lab

493 Special Topics (1-3, R6)
PREQ  Permission of instructor

Graduate Courses
536 Engineering Economic Analysis (3)  642 Automated Manufacturing Systems (3)
641 Quality Assurance (3)  648 Manufacturing Research and Analysis (3)

Marketing (MKT)

301 Principles of Marketing (3)
Principles, issues, and practices of marketing to both consumers and businesses in the domestic and global economies

302 Integrated Marketing Communications Strategy (3)
An understanding of the communications process Research methods for audience identification Gathering, analyzing data to understand customer responses  PREQ 301

303 Marketing Research (3)
Role of integrated research in marketing decisions Emphasis on problem formulation, research design, questionnaire construction, sampling, data collection procedures, and analysis of data  PREQ 301, MGT 235

304 Consumer Behavior (3)
Examines psychological and sociological factors that influence consumption and decision-making Studies practical implications of consumer attitudes and behavior  PREQ 301

306 Introduction to Professional Selling (3)
Sales persuasion skills, theories, and principles, simulated selling situations

310 Consultative Selling (3)
Building long-term customer relationships through consultative selling, delivering customer value, and satisfying customer needs  PREQ 306 or permission of instructor
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>389</td>
<td>Cooperative Education in Marketing (1 or 3, R15)</td>
<td>1 or 3</td>
<td>See Cooperative Education Program</td>
</tr>
</tbody>
</table>
| 403         | Advertising Management (3)                       | 3       | Planning and production of a professional advertising campaign  
PREQ 302 or permission of instructor                                                                                                                                                                      |
| 404         | Retailing Management (3)                         | 3       | Retailing organization and management, including store location, merchandise management, expense analysis and control, and current issues and trends                                                                 |
| 405         | Business and Organizational Marketing (3)       | 3       | Strategic implications of marketing high volume, cost, or technological products to organizations  
Focuses on needs and processes of businesses and inter-firm dynamics                                                                                                                                     |
| 406         | Channels of Distribution (3)                    | 3       | Theory and concepts in channel management, emphasis on structural, operational, and leadership decisions  
PREQ 301                                                                                                                                                                                                     |
| 407         | Global Marketing (3)                             | 3       | The importance of global marketing to the U.S. economy, problems, opportunities and practices of managing multinational activities, characteristics and structure of international markets  
PREQ 301                                                                                                                                                                                                    |
| 409         | Negotiations/Relationship Marketing (3)         | 3       | Focuses on the evolution of relationship marketing, interpersonal and group relationship development, and negotiation skills                                                                                       |
| 410         | Advanced Professional Selling (3)               | 3       | Applications oriented role-plays and real business setting assignments and exercises to build skills and experience  
PREQ 310 or permission of instructor                                                                                                                                                                        |
| 475         | Marketing Strategy and Management (3)           | 3       | Marketing majors and minors only  
A capstone course that integrates the collection of individual marketing concerns into a managerial decision making framework  
PREQ 301 and 9 hours of required marketing courses                                                                                                                                                       |
| 482         | Independent Study (1-3, R6)                     | 1-3     | Supervised, student-initiated project  
PREQ Permission of instructor and department head                                                                                                                                                           |
| 483         | Internship in Marketing (3, 3, 3)               | 3, 3, 3 | Supervised experience in applications of previously studied theory  
S/U grading  
PREQ Junior standing, 2.0 GPA, written application, permission of department head  
Minimum of 10 hours per week                                                                                                                                                                             |
| 484         | Supervised Internship in Marketing (3, 3, 3)    | 3, 3, 3 | Supervised experience in applications of previously studied theory  
S/U grading  
PREQ Junior standing, 2.0 GPA, written application, permission of department head  
Minimum of 10 hours per week                                                                                                                                                                             |
| 485         | Internship in Marketing (3)                     | 3       | Supervised experience in applications of previously studied theory  
S/U grading  
PREQ Junior standing, 2.0 GPA, written application, permission of department head  
Minimum of 10 hours per week                                                                                                                                                                             |
| 493         | Topics in Marketing (1-3, R12)                  | 1-3     | PREQ Permission of department head                                                                                                                                                                          |

**Graduate Courses**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>601</td>
<td>Marketing Management (3)</td>
<td>3</td>
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<tr>
<td>602</td>
<td>Marketing Research (3)</td>
<td>3</td>
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<tr>
<td>603</td>
<td>Consumer Behavior (3)</td>
<td>3</td>
<td></td>
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<tr>
<td>604</td>
<td>Marketing Communications (3)</td>
<td>3</td>
<td></td>
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<tr>
<td>682</td>
<td>Research Project in Marketing (3, R6)</td>
<td>3</td>
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</tr>
<tr>
<td>693</td>
<td>Topics in Marketing (3, R6)</td>
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**Master of Business Administration (MBA)**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>500</td>
<td>Accounting and Finance for Management Analysis (3)</td>
<td>3</td>
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<tr>
<td>505</td>
<td>Economics and Public Policy (3)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>510</td>
<td>Statistical Analysis for Business (2)</td>
<td>2</td>
<td></td>
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<tr>
<td>515</td>
<td>Foundations of Management (1)</td>
<td>1</td>
<td></td>
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<tr>
<td>520</td>
<td>Foundations of Marketing (1)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>525</td>
<td>Social, Political, and Legal Environment for Business (2)</td>
<td>2</td>
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</tr>
</tbody>
</table>
Mathematics (MATH)

100 Elementary Algebra (3)
Basic algebraic skills simplifying algebraic expressions, solving linear and quadratic equations, exponents, and radicals Not open to students with credit for courses numbered 130 and above Credit earned in this course will not count toward 128 hours required for graduation

101 Mathematical Concepts (3)
Introduction to applications of mathematics to daily experience Topics to include statistical analysis and interpretation, applications to business, measurement methods, and selected topics of interest (C2)

130 College Algebra (3)
Real number properties, solving equations, inequalities, systems of equations, functions, and graphs

135 Statistics, Functions, and Rates of Change (3)
Descriptive statistics, probability distributions, functions, and an introduction to derivatives

140 Introductory Calculus (5)
The differential and integral calculus of algebraic functions of one variable PREQ 130 or consent of the director of mathematics placement

144 Applied Trigonometry (3)
Topics including right triangles, trigonometric functions, graphing, basic identities, triangle solutions, and complex numbers, emphasis on applications Credit not available for both MATH 144 and MATH 145 PREQ 130

145 Trigonometry (3)
Basic trigonometry functions, identities, graphs, solution of equations and triangles, complex numbers, analytical trigonometry Credit not available for both MATH 144 and MATH 145 PREQ 130 or consent of the director of mathematics placement

146 Algebra and Analytical Geometry (3)
Functions and graphs, polynomial, logarithmic, and exponential functions, mathematical induction, sequences and series, conic sections PREQ 130 or consent of the director of mathematics placement

153 Calculus I (4)
Limits, continuity, derivatives, and integrals of algebraic and trigonometric functions with applications PREQ 145 and 146, or consent of the director of mathematics placement

170 Applied Statistics (3)
Descriptive statistics, exploratory data analysis, probability distributions, correlation, regression, estimation, and hypothesis testing

190 Mathematical Models of Population Growth (3)
Exponential, logistic, age-structured populations, metapopulation dynamics, viable population size, and probability of regional extinction (P2)

191 Mathematics in Social Choice and Decision-Making (3)
This course covers topics from voting methods, weighted voting, fair division, apportionment and game theory (P1)
230 Theory of Arithmetic I (3)
Logic, sets, relations, mathematical systems, counting, numeration systems, and algorithms for whole numbers

231 Theory of Arithmetic II (3)
Measurement (metric system), number theory integers, rationals, irrationals, and reals
PREQ 230

250 Introduction to Logic and Proof (2)
An introduction to the principles of logic and the methods of proof necessary for the successful study of mathematics Credit not available for both MATH 250 and CS 260
PREQ or COREQ 140 or 153

255 Calculus II (4)
Derivatives and integrals of transcendental functions, techniques of integration, indeterminate forms, improper integrals, infinite series
PREQ 153

256 Calculus III (4)
Plane curves, polar coordinates, vectors and solid analytical geometry, vector-valued functions, partial differentiation, multiple integrals
PREQ 255

260 Informal Geometry (3)
Points, lines, planes, constructions, axiomatic structure of geometry and the nature of proof
PREQ 231

270 Statistical Methods I (3)
Descriptive statistics, probability and sampling distributions, estimation, hypothesis testing
PREQ 170 or 146

286 Laboratory Practicum I, II (1, 1)
Materials for teaching elementary mathematical concepts, students design and conduct laboratory experiences
PREQ 231, middle-grades education major with math concentration or permission of instructor, 286 for 287 3 hours

300 Problem Solving (2)
Methods and techniques for problem solving in mathematics
1 Lecture, 2 Lab

310 (CS 310) Discrete Structures (3)
Graph theory planarity, eulerian, hamiltonian, colorings, and trees
Enumeration permutations, combinations, binomial distribution, generating functions, recurrence relations, and inclusion-exclusion
PREQ Junior standing or permission of instructor

311 Informal Geometry (3)
Points, lines, planes, constructions, axiomatic structure of geometry and the nature of proof
PREQ 230 and 231

320 Ordinary Differential Equations (3)
Differential equations of first order, first degree with applications, linear equations of higher order and numerical methods, special equations of second order
PREQ 256

331 Complex Variable Theory (3)
The complex number system, limits, continuity, derivatives, transcendental and multiple-valued functions, integration
PREQ 256

350 Operations Research (3)
Convexity, linear programming, simplex algorithm, duality, transportation problems, and integer programming
PREQ 254 or 262, 255

361 Introduction to Abstract Algebra (3)
Groups, rings, and fields
PREQ 250
362 Introduction to Linear Algebra (3)
Systems of equations, matrices, vector spaces, and linear transformations. Credit not available for both MATH 254 and MATH 262. PREQ 250 and 153

370 Probability and Statistics I (3)
Elementary probability, discrete and continuous random variables, expectation, moments, sampling distributions, probability distributions, estimation, and hypothesis testing. PREQ 255

375 Statistical Methods II (3)
Analysis of variance, regression, and correlation, analysis of categorical data, distribution-free procedures. PREQ 270

386 Practicum (2)
Practical experience under faculty supervision for prospective teachers as teaching aides and as tutors. PREQ MATH 255, permission of department head. 5 Lab

389 Cooperative Education in Mathematics (1 or 3, R15)
See Cooperative Education Program

393 Topics in Mathematics (1-6, R6)
PREQ Permission of department head

400 History of Mathematics (3)
The development of mathematics from a historical perspective. Topics include elementary number theory, probability, algebra, geometry, trigonometry, and calculus. PREQ 153 or 140 or permission of department head

411 Foundations in Geometry (3)
Axiomatic approach to the study and development of Euclidean and non-Euclidean geometry. PREQ Junior standing or permission of department head

412 Modern Geometries (3)
Finite geometries, transformations, motions of the Euclidean plane and three-space, similarity transformations, convexity, and other topics. PREQ Junior standing or permission of department head

415 Methods and Materials for Teaching Mathematics in the Secondary School (3)
A survey of contemporary trends and issues in teaching mathematics at the secondary level. Methods, materials, curriculum, and other current practices are included. PREQ Admission to the professional education sequence, EDCI 321

422 Advanced Calculus I (3)
Sequences of real numbers, continuous functions, and differentiation. PREQ 250 and 255

423 Advanced Calculus II (3)
Differentiation including L'Hospital's rule and Taylor's theorem, integration theory, other classical topics. PREQ 422

441 (CS 441) Introduction to Numerical Analysis (3)
Finite differences, interpolation, numerical integration, and solutions to ordinary differential equations, linear systems, eigenvalues, eigenvectors, and errors. PREQ 254 or 262, 255, CS 150

461 Abstract Algebra (3)
Topics from abstract algebra including quotient groups and rings, rings of polynomials and field extensions, quaternions, homomorphism theorems. PREQ 361
462 Linear Algebra (3)
Topics from linear algebra including algebra of linear transformations, dual space, algebra of polynomials, determinants, eigenvalues, diagonalization, and selected applications PREQ 262

470 Probability and Statistics II (3)
Point and interval estimation, hypothesis testing, decision theory, likelihood ratio and sequential testing, correlation and regression PREQ 370

479 Capstone Seminar (2)
A course requiring written papers and oral presentations by students on historical and contemporary ideas from the current mathematical literature PREQ Senior standing

Graduate Courses
500 History of Mathematics (3)
507 Survey of Algebra (3)
508 Survey of Analysis (3)
509 Mathematics for Secondary Teachers (3)
511 Foundations in Geometry (3)
512 Modern Geometry (3)
523 Advanced Calculus II (3)
541 Introduction to Numerical Analysis (3)
561 Abstract Algebra (3)
562 Linear Algebra (3)
570 Statistical Theory II (3)
589 Cooperative Education in Mathematics (3, R6)
593 Topics in Mathematics (1-6, R6)
601 Modern Mathematics for Teachers I (3)
602 Modern Mathematics for Teachers II (3)
603 Modern Mathematics for Teachers III (3)
610 Teaching Mathematics with Technology (3)
620 Algebra (3)
622 Analysis I (3)
623 Analysis II (3)
624 Complex Analysis (3)
630 Mathematical Modeling (3)
632 Methods of Applied Mathematics (3)
634 Partial Differential Equations and Boundary Value Problems (3)
640 Numerical Analysis (3)
646 Numerical Linear Algebra (3)
661 Applied Algebra (3)
670 Advanced Statistical Theory (3)
672 Advanced Statistical Methods (3)
693 Topics in Mathematics Education (1-6, R6)
694 Topics in Mathematics Education (1-6, R6)
699 Thesis (3, R6)
779 Continuing Research—Non-Thesis Option (1, R10)
799 Continuing Research—Thesis Option (2, R24)

Middle Grades Education (EDMG)

310 The Middle School Child and Curriculum (3)
Programs, methods, and materials for students in the middle grades PREQ Admission to professional education sequence

Graduate Courses
501 Math and the Middle Grades Learner (2)
502 Science and the Middle Grades Learner (2)
503 Language Arts and the Middle Grades Learner (2)
504 Social Studies and the Middle Grades Learner (2)
511 Math Teaching Strategies for the Middle Grades (2)
512 Science Teaching Strategies for the Middle Grades (2)
513 Language Arts Teaching Strategies for the Middle Grades (2)
514 Social Studies Teaching Strategies for the Middle Grades (2)
521 Math Assessment and Remediation in the Middle Grades Classroom (2)
522 Science Assessment and Remediation in the Middle Grades (2)
523 Language Arts Assessment and Remediation in the Middle Grades Classroom (2)
524 Social Studies Assessment and Remediation in the Middle Grades Classroom (2)
589 Internship in Middle Grades (3, R9)
621 Issues and Trends in Middle Grades Education (2)
622 Teaching-Learning Strategies for the Middle Grades (3)
623 Teaching Writing in the Middle Grades (3)
680 Research in the Middle Grades Proposal (2)
681 Research for the Middle Grades Project (2)
682 Trends and Issues in Middle Grades Education The Professional Portfolio (2)
979 Continuing Research—Non-Thesis Option (1, R10)

Music (MUS)

101 Music Appreciation (3)
Introduction to the materials, performing media, and fundamental principles of music in the context of the western classical tradition (P5)
102 *Music in American Culture* (3)  
American history as reflected in folk, popular, and art music from 1607 to the present.

108 *Aural Skills I: Fundamentals of Sight Singing* (1)  
Aural analysis and sightsinging of intervals, scales, chords, and simple meters using solfege syllables  PREQ Placement exam or permission of the department head  2 Lab

110 *Introduction to Instrumental Ensembles* (1)  
Introduction to playing in instrumental ensembles using fundamentals required to function in a group setting  4 Lab

111 *Introduction to Vocal Ensemble* (1)  
Rehearsal and performance of a variety of choral works, audition required  3 Lab

112 *Introduction to Piano* (1)  
Group lessons in piano and the fundamentals of music for students who do not read music  2 Lab

113 *Introduction to Singing* (1)  
Group lessons in voice and the fundamentals of music for students who do not read music  2 Lab

117 *Introduction to Guitar* (1)  
Group lessons in guitar and the fundamentals of music for students who do not read music  2 Lab

118 *Fundamentals of Music Theory* (3)  
Fundamentals of music notation keys, modes, scales, trachs, seventh chords, 2-part counterpoint, ranges and transpositions of instruments, elementary analysis and composition, basic Finale notation  PREQ Placement exam or permission of the department head

181 *Introduction to MIDI/Synthesis* (1)  
Survey of MIDI devices, synthesis techniques, and contemporary music technology  PREQ Permission of instructor  2 Lab

182 *Computer Applications in Music* (2)  
Use of the computer to prepare parts and scores, and to orchestrate and arrange music  PREQ 208, 218 or permission of the instructor

190 *Freshman Seminar* (3)  
Variable topics such as jazz, rock, music, music and community, music technology, etc  See schedule of classes for topic of each section (P5)

208 *Aural Skills II: Basic Tonal Functions* (1)  
Aural analysis and performance of basic tonal functions, modulation, simple tonal forms, simple and compound meters  PREQ 108, placement exam, or permission of department head

218 *Music Theory II: Tonal Harmony* (3)  
Introduction to tonal functions non harmonic tones, tonicization, modulation, 4-part voice-leading, analysis and composition of simple forms, introduction to computer-based music engraving  PREQ 118 and/or placement exam or permission of department head

301 *Basic Skills* (1)  
Music fundamentals and elementary performance skills  2 Lab

302 *Music for Classroom Teachers* (2)  
Methods and materials for teaching music in the elementary school  PREQ 301  3 meetings
303 **The World of Music (3)**
Musical traditions of various world cultures in their social contexts  
PREQ Junior-level status

308 **Aural Skills III: Advanced Tonal Functions (1)**
Aural analysis and performance of advanced forms and chromatic tonal functions, 4-part dictation and performance, and complex meters  
PREQ 208 2 Lab

309 **Aural Skills IV: Jazz and Commercial Music (1)**
Aural identification of common commercial chord groups, progressions, and musical forms including blues, rhythm changes, and "American Song" form, basic improvisation  
PREQ 308 2 Lab

318 **Music Theory III: Advanced Forms and Chromaticism (3)**
Analysis and composition of advanced musical forms sonata, rondo, episodic, etc, nineteenth-century chromaticism, intermediate computer-based music engraving  
PREQ 218

319 **Music Theory IV: Twentieth Century Styles (3)**
Analysis and composition of twentieth century musical styles including jazz and commercial music, basic orchestration and advanced computer-based music engraving  
PREQ 318

320 **Materials in Popular Music and Jazz (3)**
The basics of music theory and the development of aural skills pertaining to popular song and jazz  
PREQ 319 or permission of instructor

325 **Music in the Elementary and Middle School (3)**
Problems in teaching and supervising the music program in the elementary and middle school  
PREQ 319, admission to the teacher education program

326 **Instrumental Methods and Materials (3)**
Methods and materials used in instrumental teaching

327 **Choral Methods and Materials (3)**
Methods and materials used in developing the school choral program

378 **Survey of the Music Industry (3)**
The retail and wholesale music trade publishing, royalties, copyright, performance rights, record production, advertising and promotion, labor relations, contracts, artist management

379 **Introduction to Recording Arts (3)**
The audio recording process including the acoustics of sound, microphone design, signal path, audio console theory, and digital signal processing  
PREQ 181, 283 or permission of instructor

383 **Music and Audio in Media (3)**
Recording, editing, importing, embedding and synchronizing in a variety of media formats including compact disc, video, instructional presentation, and the World Wide Web

389 **Cooperative Education in Music (1 or 3, R15)**
See Cooperative Education Program

403 **Marching Band Techniques (2)**
PREQ 326
418 **Music History I: Music Before 1750 (3)**
Music history from the roots of Western civilization to the end of the Baroque  
PREQ 318 or permission of the department head and instructor

419 **Music History II: Music after 1750 (3)**
Music history from the end of the Baroque to the present  
PREQ 319 or permission of the department head and instructor

420 **Studies in Music Literature (3, R9)**
Historical and theoretical study of various forms of music literature  
PREQ 419 or permission of the instructor

425 **Twentieth-Century Music (3)**
Historical and theoretical issues in twentieth-century music  
PREQ 419

426 **Jazz Arranging and Composing (3)**
Basic tools of creative arranging and composing for small jazz ensembles  
PREQ 320 or permission of instructor

428 **Choral Conducting (3)**
Study and application of gesture communication and analysis selected to choral conducting  
PREQ 309, 319

429 **Instrumental Conducting (3)**
Application of techniques and analysis to instrumental conducting  
PREQ 309, 319

468 **Scoring for Film and Video (3)**
The materials and procedures in producing music in synchronization with film and video  
PREQ Grade of “C” or better in MUS 319

469 **Music in Motion Pictures (3)**
The study of music composed for motion pictures, process and procedures, selected biographies, representative films, and a brief chronology

470 **Orchestration and Arranging (2)**
Scoring and arranging for instrumental and vocal ensembles  
PREQ 283, 319

474 **Entrepreneurship in Music, Senior Project (3)**
The study and application of skills needed in professional music related fields  
Senior project, resume, and multi-media portfolio required  
PREQ 378 or permission of instructor

479 **Digital Audio Recording and Editing (3)**
Non-linear digital audio production for recording, editing, arranging and mixing of digital audio and MIDI  
PREQ 379 or permission of instructor

480 **Independent Study (1-3, R9)**
PREQ Permission of the instructor, music major

489 **Internship (3, 6, 9, R9)**
Faculty-supervised training in an approved agency  
Minimum of 9 hours per week or 135 hours for each 3 credits, arranged with the agency and the music department  
PREQ 378, permission of department head  
S/U grading

493 **Topics in Music (1-3, R12)**
Issues in music performance, education, or the music business  
PREQ Permission of department head

497 **Seminar in Piano Pedagogy (1, R4)**
PREQ Approval of instructor  
2 Lab
Graduate Courses

503 Marching Band Techniques (2)  
504 Topics in Music (1-3, R9)  
520 Studies in Music Literature (3, R9)  
525 Twentieth-Century Music (3)  
592 Orff-Schulwerk Level I (3)  
593 Topics in Music (1-3, R12)  
597 Seminar in Piano Pedagogy (1, R4)  
598 Seminar in Accompanying (1, R4)  
601 Writing About Music (1)  
611 Applied Music (1, R4)  
612 Applied Music (2, R8)  
613 Applied Music (3, R9)  
614 Applied Conducting (1, R4)  
615 Applied Composition (2, R8)  
621 History of Musical Theory (3)  
622 Influences of Folk Traditions on Western Art Music (3)  
640 Seminar in Music Pedagogy (3, R6)  
650 Advanced Flute Repair (2, R8)  
679 Lecture/Recital (3, R6)  
680 Independent Study (1, R6)  
693 Orff-Schulwerk Level II (3)  
694 Orff-Schulwerk Level III (3)  
695 Music Education Seminar (3)  
699 Thesis (3)  

Performance Courses

105 Preparatory Applied Music (2)  
Applied music study with one hour of private instruction and one hour master class each week  
PREQ Audition or permission of the department head Studio  

106 Applied Music (1, R3)  
Applied music study with one-half hour private instruction per week  
PREQ Audition or permission of the department head 30-minute music lesson Studio  

107 Applied Music (2, R6)  
Applied music with one hour of private instruction and one hour master class each week  
PREQ Audition or permission of the department head Studio  

148 Piano Class I, II (1, 1)  
149 Basic functional keyboard skills 2 meetings  

158 Voice Class I, II (1, 1)  
159 Fundamental voice instruction 2 meetings  

168 String Class I (1)  
Playing stringed instruments, basic technical problems and teaching techniques 2 meetings  

169 Classroom Guitar Technique (1)  
Basic technical problems and teaching techniques 2 meetings  

171 Chorus (1, R8)  
Study and performance of representative choral works, open to any student meeting eligibility requirements 3 meetings  

172 Concert Chor (1, R8)  
Audition required, public performances 4 meetings  

173 Band (1, R8)  
Performance of a wide variety of music in the marching, symphonic, and concert bands, open to any student meeting eligibility requirements 4 meetings  

174 Orchestra (1, R8)  
Experience for advanced strings, wind, and percussion players, formal concerts and performances  
PREQ Permission of instructor  

175 Ensemble (1, R12)  
Performance in vocal or instrumental ensembles 2 meetings
184 **Functional Jazz Keyboard (1, R2)**
Functional keyboard skills in jazz and popular styles  
PREQ 208, 218 or permission of the instructor  
2 meetings

206 **Applied Music (1, R3)**
Applied music study with one-half hour private instruction per week  
PREQ Audition or permission of the department head  
30-minute music lesson  Studio

207 **Applied Music (2, R6)**
Applied music with one hour of private instruction and one hour master class each week  
PREQ Successful sophomore qualifying exam or audition and permission of the department head  
Studio

248 **Piano Class III, IV (1, 1)**
Continuation of 148 and 149  
2 meetings

249 **Piano Class III, IV (1, 1)**
Continuation of 148 and 149  
2 meetings

258 **Diction for Singers I (1)**
Fundamentals of the International Phonetic Alphabet and the principles utilized in a singing pronunciation of English and Italian

259 **Diction for Singers II (2)**
Continuation of the International Phonetic Alphabet and the principles utilized in a singing pronunciation of German and French  
PREQ 258 or permission of instructor

270 **Brass Class I (1)**
Brass performance and pedagogy related to trumpet  
2 meetings

271 **Woodwind Class I (1)**
Playing clarinet and saxophone, basic technical problems and teaching techniques  
2 meetings

272 **Percussion Class (1)**
Playing percussion instruments, basic technical problems and teaching techniques  
2 meetings

273 **Brass Class II (1)**
Playing horn and low brass, basic technical problems and teaching techniques  
PREQ 270  
2 meetings

274 **Woodwind Class II (1)**
Playing flute and double reeds, basic technical problems and teaching techniques  
2 meetings

279 **Wind and Percussion Class I (1)**
Class for voice and keyboard music majors, music minors, and music focus area students  
2 Lab

283 **Music Technology Class (1)**
Topics, equipment, and pedagogy of music technology  
PREQ Placement test or 108 and 118  
1 hour of lecture/demonstration

284 **Synthesizer Masterclass (1, R8)**
Group lessons in MIDI/Synthesis for secondary students  
PREQ 181 and 182 or permission of instructor

305 **Junior Recital (1)**
Public performance  May be scheduled after hearing committee approval and completion of junior-qualifying examination  
PREQ Junior-level qualifying examination

306 **Applied Music (1, R3)**
Applied music study with one-half hour private instruction per week  
PREQ Audition or permission of the department head  
30-minute music lesson  Studio
307 **Applied Music (2, R6)**
Applied music with one hour of private instruction and one hour master class each week
PREQ Successful junior qualifying examination or audition and permission of the department head
Studio

348 **Piano Class V, VI (1, 1)**
349 Continuation of 248 and 249 2 meetings

358 **Performance Laboratory (0)**
Attend ten approved music performances  S/U grading

370 **Ensemble (1, R12)**
Performance in vocal and instrumental ensembles  PREQ 175 or permission of department head

371 **University Chorus (1, R8)**
Study and performance of representative choral works, open to any student meeting eligibility requirements 3 meetings  PREQ 171 or permission of department head

372 **Concert Choir (1, R8)**
Audition required, public performances 4 meetings  PREQ 172 or permission of department head

373 **Band (1, R8)**
Performance in a wide variety of music in the marching, symphonic, and concert bands, open to any student meeting eligibility requirements 4 meetings  PREQ 173 or permission of department head

374 **Orchestra (1, R8)**
Experience for advanced strings, wind, and percussion players, formal concerts and performances  PREQ 174 or permission of department head

405 **Senior Recital (1)**
Public performance  May be scheduled after hearing committee approval  PREQ 305

407 **Applied Music (2, R6)**
Applied music with one hour of private instruction and one hour master class each week
PREQ Audition or permission of the department head
Studio

**Graduate Courses**

594 **Topics in Music (1-3, R9)**
611 **Applied Music (1, R4)**
612 **Applied Music (2, R8)**
613 **Applied Music (3, R9)**

675 **Ensemble (1, R6)**
696 **Seminar in Choral Techniques and Materials (3)**
979 **Continuing Research—Non-Thesis Option (1, R10)**
999 **Continuing Research—Thesis Option (2, R24)**

**Natural Resources Management (NRM)**

140 **Natural Resource Conservation and Management (3)**
Students will develop a basic understanding of natural resources, and will investigate relationships between those resources and society while exploring issues related to their management (P2)

150 **Introduction to Natural Resources Management (1)**
Exploration of varied career opportunities, career and program planning advisement, professional values and requirements, exposure to professionals in field 2 lab/discussion/demonstration

340 **Natural Resource Measurements (4)**
Basic land, climatic, hydrologic, and vegetative measurements used in resource management 3 Lecture, 2 Lab
Microcomputer Applications in NRM (1)
Applications of spreadsheets, database management, and specialized computer software to problems in natural resources management  1 Lab

Introduction to Geographic Information Systems (3)
Introduction to and applications of geographic information systems in natural resources management  2 Lecture, 2 Lab  PREQ CS 101, NRM 342 or permission of instructor

Forest Ecology (3)
The study of forests as integrated ecological systems, energy transfer, nutrient cycling, communities, succession, disturbance, and their roles in productivity and management  PREQ  BIOL 304, NRM 340 or permission of instructor  2 Lecture, 2 Lab

Forest Resource Measurements (3)
Principles of applications in measuring forest resources  Measurements of trees and stands for volume, quality, growth, land areas, and other forest resources  PREQ  340 or permission of instructor  2 Lecture, 2 Lab

Cooperative Education in NRM (1 or 3, R15)
See Cooperative Education Program

Integrated Resources Management (4)
Natural resources management exercises, project and strategic planning, map and quantitative integration techniques, group dynamics  PREQ  340, 442, or permission of instructor  2 Lecture, 4 Lab

Natural Resources Policy and Administration (3)
Policy and administrative principles, case studies on the evolution of policy in the United States, current issues  PREQ  NRM major, junior standing, or permission of instructor

Foundations of Silviculture (4)
Principles of silviculture and their applications to the major forest types of the United States  Site and management requirements of important tree species  PREQ  351, 352 or permission of instructor  3 Lecture, 2 Lab

Forest Management (4)
Principles of forest management at stand and forest levels, forest growth, regulation, harvesting, and multiple-use management  PREQ  451 or permission of instructor  3 Lecture, 2 Lab

Watershed Management (3)
Principles of watershed management for analysis and control of water yield, timing, and quality in single- and multiple-use situations  PREQ  340 or permission of instructor  2 Lecture, 2 Lab

Land Suitability Classification (3)
Study and application of land suitability classifications systems  PREQ  340, 344, GEOG 305, or permission of instructor  2 Lecture, 2 Lab

Landscape Ecology (4)
The causes, development, quantification, and ecological consequences of spatial patterning on the landscape  Importance of scale, organism response to landscape patterns, natural- and human-caused disturbance  PREQ  BIOL 140, 141, or permission of instructor  3 Lecture, 2 Lab

Ecosystem Structure and Analysis (4)
Integrative, interdisciplinary investigation into the structure and function of ecosystems  Interactions and movement of energy, materials, and organisms into, out of, and within ecosystems  PREQ  BIOL 140, 141, or permission of instructor  3 Lecture, 2 Lab
480 Independent Study (1-3, R6)
  PREQ NRM major and permission of program coordinator

493 Topics in NRM (1-4, R12)
  PREQ Permission of program coordinator

Graduate Courses
593 Topics in NRM (1-4, R12)

Nursing (NSG)

300 Nursing Ethics through the Life Span (1-3)
  Moral problems of everyday nursing practice, emphasis on the nurse’s role in moral
  reasoning  PREQ Permission of instructor

301 Professional Transitions in Nursing (3)
  The development of the profession and of professional nurse roles and the processes
  through which they are conducted  PREQ Admission to the nursing sequence

302 Health Promotion in the Community (3)
  Families as recipients of nursing care, wellness and promotion of health for individuals,
  families, and other groups in the community  PREQ 301 or permission of instructor

303 Spiritual Dimensions of Nursing (3)
  Meaning of spirituality from multiple perspectives and historical relationships with
  nursing explored

304 Stress Management and Health for the Caregiver (3)
  Designed for health professionals, students in health professions and other caregivers
  to learn stress management and self-care

340 Basic Nursing Skills (4)
  Psychomotor nursing skills essential to the care and comfort of patients, scientific
  principles, underlying nursing procedures  PREQ Admission to the nursing sequence
  3 Lecture, 3 Lab

341 Nursing Pharmacotherapeutics (2)
  Nursing responsibility for pharmacotherapeutic management with emphasis on study
  of prototype drugs in each of the major drug classifications  PREQ Admission to the
  nursing sequence

350 Dimensions of Professional Nursing (2)
  The development of the profession and of professional nurse roles  PREQ Admission
  to nursing major  1 Lecture, 1 Seminar

353 Nursing Science I (4)
  Fundamental nursing processes and concepts, emphasis on psychosocial health, well
  adults and end of life issues  PREQ Admission to the nursing sequence  COREQ 383

355 Nursing Science II (5)
  Concepts of healthcare, health promotion, illness care, and nursing roles in community
  health and adult health inpatient settings are presented  PREQ 340, 341, 353, 383
  COREQ 385

360 Health Care of Women (2)
  Review of women’s health care, the functions of women’s bodies, and personal
  responsibility for health
383 Clinical Practicum I (3)
Application of psychomotor skills, interpersonal and nursing processes to the care of individuals, emphasis on the nursing role in health maintenance. PREQ Junior standing. S/U grading. COREQ 353. 9 Lab

384 Practicum in Community Health Nursing (3)
Application of wellness concepts and health promotion in the nursing care of families and other groups in community settings. S/U grading. PREQ 302 and 399 or permission of instructor. 9 Lab

385 Clinical Practicum II (4)
Care of ill individuals and families in acute care and a variety of community settings, nursing role in preventing and treating illness emphasized. S/U grading. PREQ 383. COREQ 355. 12 Lab

389 Cooperative Education in Nursing (1 or 3, R15)
PREQ 355. See Cooperative Education Program

393 Topics in Nursing (1-4, R12)
PREQ. Permission of instructor

399 Seminar Professional Nursing Knowledge and Skills (2)
Registered nurse students demonstrate or provide documentary evidence of satisfactory level of competence in basic professional nursing knowledge and skills. S/U grading. PREQ. Permission of instructor

405 Gerontological Nursing (1-3)
The aging process, health assessment, and promotion in the aged, identification of frequent alternations in health and appropriate nursing interventions. PREQ. Permission of instructor

460 Nursing Leadership and Management (3)
Leadership theory in the management of clients, peers, and other healthcare providers in nursing service settings. PREQ 355, 385 or permission of instructor. 2 Lecture, 1 Seminar

466 Nursing Science III (5)
Application of the nursing process for complex client models, including the childbearing family, the hospitalized child and family, and the mentally ill client. PREQ 355, 385. COREQ 486

467 Nursing Science IV (5)
Planning nursing care in hypothetical situations for the ill adult with complex healthcare problems. PREQ 355, 385. COREQ 487

470 Nursing Research (3)
Research design in the study of nursing problems, interpretation of research emphasized. PREQ. Permission of instructor

475 Perspectives of the Nursing Profession (2)
The impact and implications of current and evolving trends on the future practice of nursing. PREQ. Permission of instructor. 1 Lecture, 1 Seminar

478 Intermediate Physical Assessment (4)
Focus on developing assessment skills for conducting a health status examination on the adult client. PREQ. Registered nurse or senior nursing student

480 Independent Study (1-3, R6)
PREQ. Permission of instructor. S/U Grading
482 Readings in Nursing (3)
PREQ Permission of instructor

483 Practicum in Clinical Management (3)
Application of management principles in the care of clients with complex health problems  S/U grading  COREQ 460 or permission of instructor  9 Lab

486 Clinical Practicum III (4)
Application of nursing strategies to the care of the child-bearing family, the hospitalized child and family, and the mentally ill client  S/U grading  PREQ 355, 385  COREQ 466 12 Lab

487 Clinical Practicum IV (4)
Application of wellness-illness concepts, nursing and other processes, and nursing skills with individuals and multiproblem families in complex healthcare agencies, experience in the managerial role of the nurse  S/U grading  PREQ 355, 385  COREQ 467 12 Lab

Graduate Courses
601 Advanced Practice Nursing Roles and Professional Issues (3)
610 Theory for Advanced Practice Nursing (2)
611 Research for Advanced Practice Nursing (3)
616 Economics and Organization of HealthCare (3)
621 Pathophysiology and Differential Diagnosis (4)
622 Advanced Pharmacology (4)
623 Advanced Health/Physical Assessment (3)
624 Family Health Promotion in the Rural Community (3)
625 Clinical Management I (1)
673 FNP II Reproductive Health and the Child-bearing Family (3)
674 FNP III Primary Care of Children and Adolescents and Selected Episodic Health Problems Across the Lifespan (3)
675 FNP IV Primary Care of Adults and Elderly Adults and Selected Chronic Health Problems Across the Lifespan (3)
679 Research Project (2)
680 Independent Study (1-3, R6)
683 FNP II Clinical Management (2)
684 FNP III Clinical Management (3)
685 FNP IV Clinical Management (3)
686 FNP V Primary Care Clinical Practicum (4)
699 Thesis (3, R6)

Nutrition and Dietetics (ND)
190 Personal Nutrition (3)
Basic research-based nutrition concepts applied to assessment and adjustment of personal nutrition habits, critical evaluation of nutrition information and influences on dietary patterns  (P2)

231 Food Science (4)
Scientific principles of food preparation, effect of preparation practices on food quality and nutrient retention, storage and preservation principles  3 Lecture, 3 Lab

300 The Science of Nutrition (3)
An introduction to the principles of a healthful diet and weight control in comparison to current trends in eating behaviors and food production  3 in-class laboratory sessions during four 75-minute class periods  (P2)

330 Human Nutritional Needs (3)
Principles of nutrition, needs throughout the life cycle, selection of well-balanced diets for health and well-being

334 Nutritional Applications (2)
Applications of the principles of nutrition to diet planning, nutrient analysis, including computer-aided analysis, and nutritional assessment and counseling  PREQ  330

338 Normal and Therapeutic Nutrition (3)
Principles of normal human nutrition, altered nutrient requirements of disease states, and medical nutrition therapy  PREQ BIOL 292, CHEM 133
340 Community Nutrition (2)
Application of nutrition principles to planning funding implementation, monitoring and evaluation of community nutrition programs and activities  PREQ 330

389 Cooperative Education in Nutrition (1 or 3, R15)
See Cooperative Education Program

431 Food Preservation (3)
Principles and procedures for food preservation, home methods, principles of home food sanitation and spoilage, food storage techniques  PREQ 231 or permission of instructor  2 Lecture, 2 Lab

433 Research Methods in Nutrition (3)
Standard procedures for nutrient analysis, including proximate analysis of foods, introductory experimental design and methodology  PREQ 231, MATH 170 or PSY 251  COREQ 436  2 Lecture, 4 Lab

434 Experimental Methods of Foods (3)
Advanced food science principles and techniques of sensory and objective evaluation of foods  PREQ 231, CHEM 133  2 Lecture, 4 Lab

436 Advanced Human Nutrition (4)
Normal nutrition related to biochemical and physiological functioning, interrelationships of nutrients and their effect on body needs  PREQ 334, BIOL 292, CHEM 133  COREQ 433

437 Diet Therapy (4)
Mechanisms by which food contributes to maintenance of health, prevention of disease, and correction of nutritional disorders  PREQ 436  COREQ 439

439 Introduction to Professional Practice (3)
Introduction to professional ethics, conduct in patient care, utilization of laboratory values, nutritional assessment, and dietary management  COREQ 437  2 Lecture, 3 Clinical

480 Independent Study in Nutrition (1-3, R6)
PREQ Permission of instructor

483 Internship (3, 3, 3)
484 Integration of theory and practice in a setting appropriate to the student’s career field
485 S/U grading  PREQ Permission of instructor  9 hours per week per course

495 Seminar in Nutrition (1)
Student presentations on current topics in nutrition  PREQ 436

Graduate Courses
531 Food Preservation (3)
533 Research Methods in Nutrition (3)
534 Experimental Methods of Foods (3)
536 Advanced Human Nutrition (4)
537 Diet Therapy (4)
538 Clinical Experience in Dietetics (1)
539 Introduction to Professional Practice (3)
630 Nutrition Throughout the Life Cycle (3)
635 Nutrition Education (3)
636 Protein, Carbohydrates, and Lipids (3)
637 Advanced Diet Therapy (3)
638 Community Nutrition (3)
639 Vitamins and Minerals (3)
681 Practicum in Clinical Dietetics (3, R6)
682 Practicum in Administrative Dietetics (3, R6)
683 Practicum in Community Dietetics (3)
693 Topics in Nutrition and Food Science (1-3, R9)
695 Advanced Nutrition Seminar (1, R2)

Parks and Recreation Management (PRM)
150 Career Opportunities in Parks and Recreation (1)
Exploration of varied career opportunities, career planning advisement, professional values and requirements, exposure to professionals in the field  2 Lab/discussion/demonstration
250 Foundations of Parks and Recreation Management (3)
Concepts, philosophical orientations, and aspects of recreation, play, and leisure, the organization of leisure and recreation as a service and profession

254 Introduction to Outdoor Pursuits Education (3)
Instructional techniques for outdoor pursuits. Back country characteristics are reviewed in terms of hazards, use ethics, and safety. 2 Lecture, 2 Lab

256 Outdoor First Aid (3)
Training for outdoor professionals to administer comprehensive first aid in remote areas, possible certification through the National Ski Patrol for Winter Emergency Care and CPR. 2 Lecture, 2 Lab

270 Leadership and Group Dynamics in Recreation (3)
Emphasis will be on appropriate theories and techniques for specific clientele and the different populations that are encountered as a recreation professional

313 Camp Counseling (3)
This course is designed to prepare students for positions as camp counselors and provides the foundations for further preparation toward camp administration

314 Organization and Administration of Camping Agencies (3)
The nature of camping, trends, elements of camp design and management

321 Outdoor Education and Interpretation (3)
Theory and principles of outdoor education as an interdisciplinary approach to learning in a recreational or educational setting. 2 Lecture, 2 Lab

330 (SM 330) Aquatic Recreation Management (3)
Organization, programming, facility design, and maintenance in various aquatic recreational environments. Course may lead to Certified Pool Operator certification

361 Program Planning and Evaluation in Parks and Recreation Management (3)
Designed to equip students with a variety of program planning methodologies, including proposal and grant writing. Evaluative research methods are also included. PREQ SOC 231 and SOC 385 or permission of instructor. 2 Lecture, 2 Lab

370 Internship Orientation (1)
Orientation to the internship, preparation of personnel records, applications, resumes, and agency contracts. Preparation for entry into the profession, interview and application techniques. PREQ SOC 385 and SOC 231, or permission of instructor. 2 Lab

383 Internship in Parks and Recreation Management (1-3, R3)
S/U grading. PREQ Permission of program coordinator. Minimum of 3 hours per credit hour

389 Cooperative Education in PRM (1 or 3, R15)
See Cooperative Education Program

420 Administration and Leadership of Outdoor Pursuits (3)
Implementation of outdoor pursuits programs, includes planning and leadership components, outdoor adventure-based administrative techniques, and risk management. PREQ 254 or permission of instructor. 2 Lecture, 2 Lab

425 Land-Based Outdoor Pursuits Education (3)
Land-based outdoor instruction in mountain activities, caving, and rescue techniques. Includes institutional teaching techniques used by different agencies and adaptations for people with disabilities. PREQ 254 or permission of instructor. 2 Lecture, 2 Lab
426 Water-Based Outdoor Pursuits Education (3)
Water-based outdoor instruction in canoeing, kayaking, rafting, and rescue techniques, includes institutional teaching techniques used by different agencies and adaptations for people with disabilities. PREQ 254 or permission of instructor

430 Entrepreneurship and Commercial Recreation (3)
Analysis of types of commercial and private recreation enterprises, probable trends and directions, requirements and procedures for planning and organizing commercial recreation services

433 Outdoor Recreation (3)
An overview of the professional aspects of outdoor recreation, including classification systems, policies of management agencies, and the perspectives of individuals, non-profit and commercial groups

434 High Adventure Travel and Outfitting (3)
History, development, and organization of these activities. PREQ Permission of instructor 2 Lecture, 2 Lab

435 Park and Recreation Sites, Facilities, and Programs (1-6, R6)
Planned tour to study specific types of parks and recreation sites, facilities, and/or programs related to current issues and practices. 1 Lecture or 2 Lab per credit hour

440 Travel and Tourism (3)
The travel and tourist industry, national and international, locational characteristics, terminology, demographics, economic impact and trends, attitudes and skills required. PREQ Permission of instructor 2 Lecture, 2 Lab

461 Management and Administration of PRM Services (3)
Management, organization, and supervision in recreation and leisure service administration. Includes entre/intrapreneurship, planning processes, marketing, fiscal strategies, human services, evaluation, and research. PREQ 250 or permission of instructor

480 Independent Study (1-3, R6)
PREQ Permission of program coordinator

483 Internship in Parks and Recreation Management (3, 3, 3)
484 Placement in a cooperating agency to relate classroom learning to practice. S/U grading
485 PREQ 370, 2.0 GPA, permission of program coordinator. 9 hours per week per course

486 Field Experience (1-12)
Field experience in cooperation with existing programs such as North Carolina Outward Bound School and Nantahala Outdoor Center. PREQ Permission of instructor 1-12 Lab

493 Topics in Parks and Recreation Management (1-3, R6)
PREQ Permission of program coordinator 1 Lecture, 2 Lab

495 Senior Seminar in Parks and Recreation Management (1)
Current trends and issues, individual research topics, employment decision making, graduate school advisement, presentation of internship experience. PREQ Permission of instructor 2 Lab/discussion

Graduate Courses
580 Independent Study (1-3, R6)
583 Internship in Parks and Recreation Management (1-3, R6)
593 Topics in Parks and Recreation Management (1-3, R6)

Philosophy (PHIL)

101 Western Philosophical Traditions (3)
Introduces students to thinkers foundational to liberal arts education who pursue the examined life, inquiring into human existence, knowledge and moral goodness. (P4)
102 Western Moral Traditions (3)
The study of historical theories of virtue, duty, and the common good, along with moral education, and contemporary moral dilemmas (e.g., abortion, animal rights, genetic engineering) (P4)

190 Freedom, Culture, and Technology (3)
Study, through classic works, of the debate between utopian and dystopian thinkers, of the best way to order society and determine "the good life." 3 Seminar (P4)

230 Legal, Scientific, and Critical Reasoning (3)
Argument analysis, validity, strength, soundness of deductive and inductive arguments, logical fallacies, practical uses of critical reasoning in legal, scientific, and ethical case studies (P4)

304 Justice, Power, and Human Nature in the Ancient Greek Polis (3)
Ancient Greek thinkers that founded the Western liberal arts traditions, first raising central questions about human excellence, knowledge, justice, power, and historical meaning (P4)

306 Science, Reason, and Autonomy in the Enlightenment (3)
Rejecting authority of tradition, rationalists, and empiricists, like Rene Descartes and Francis Bacon, inaugurate modern natural science by demanding new methods and principles of reasoning (P4)

307 Liberty, System, and History in the Age of Revolutions (3)
Philosophical Ideal of Freedom found in Kant and Hegel—its development and implications in German Idealism, and its critique by Marx, Mill, Nietzsche, and Kierkegaard (P4)

308 Alienation, Technology, and Meaning in the Postmodern Age (3)
Development of twentieth-century philosophy from its roots in Pragmatism, Vitalism, Phenomenology, and Logical Positivism to Deconstructionism, Postmodernism, and recent analytic and linguistic approaches (P4)

309 Philosophy In and Of Film (3)
Philosophical ideas in film, philosophical ideas about film and about the interpretation of film (P4)

310 Philosophy of Art (3)
Consideration of ways of making reflective claims about art, emphasis on development of a personal viewpoint

311 Philosophy of Science (3)
The structure of scientific explanation and discovery, the cognitive status of scientific theories, relations between the various natural and social sciences

312 Philosophy of Religion (3)
Selected topics, such as proofs for the existence of God, immortality, the problem of evil, and the nature of religious belief, action, and experience (P4)

313 Philosophy of Law (3)
The nature of law and legal reasoning, classical and modern theories of law, law, freedom of expression, equality, justice, and responsibility explored through case studies (P4)

330 America's Wilderness Philosophers and Essayists (3)
The experience of America's wilderness has given rise to a unique literary and philosophical tradition, critically examines some of our best wilderness philosophers (P4)
Environmental Ethics (3)
Environmental ethics concerns how humans ought to be related to nature. One question explored is "Do animal and ecosystems have value independent of human needs?" (P4)

Topics in Philosophy (1-3, R6)
PREQ Permission of instructor

Seminar in Philosophy (3, R9)
PREQ 6 hours in philosophy, excluding 101 and 201, or permission of instructor

Graduate Courses

Physical Education (PE)

Yoga (2)
Adapted yoga postures and breathing, foundations for meditation 1 Lecture, 2 Lab

Basic Water Safety Skills (1)
Basic water skills, Level III Stroke Readiness, American Red Cross swimming outline 2 meetings

Intermediate/Advanced Swimming and Aquatic Sports (1)
Swimming strokes and diving, American Red Cross Level VII Advanced Skills, water polo, basketball, and volleyball skills rules and strategy PREQ 102 or equivalent 2 meetings

Lifesaving (1)
American Red Cross outline, applicable toward lifesaving certification PREQ 103 or equivalent 2 meetings (F5)

Water Safety Instructor-Lifeguarding Instructor (1)
American Red Cross training for water safety instructor and lifeguarding instructor certificates PREQ Red Cross Level VII Advanced Swimming Skills 3 meetings

Synchronized Swimming (1)
Creative patterns and movement with music PREQ 103 or equivalent 2 meetings

Canoeing (1)
PREQ 103 or equivalent One 2-hour meeting

Karate (1)
Basics of balance, movement, and flexibility as well as self-defense 2 meetings

Hiking (1)
Safety and skills for organizing hiking and backpacking trips for small groups, clothing and equipment, map and compass, choosing hiking areas, weekend trips as arranged 2 meetings

Jogging (1)
Principles and physiological benefits of running and aerobic exercise 2 meetings

Weight Training (1)
Execution of various lifts, isotonic exercises, related health and safety factors 2 meetings

Slamastics (1)
Exercise and weight control, correlation of proper exercise to body proportions 2 meetings
118 Aerobic Dance (1) 
A physical fitness program utilizing simple dance routines and exercises  2 meetings

122 Beginning Tennis (1)  
2 meetings

123 Beginning Golf (1)  
2 meetings

124 Handball (1)  
One-wall and four-wall handball  2 meetings

125 Racquetball (1)  
One-wall and four-wall racquetball  2 meetings

126 Bowling (1)  
2 meetings

127 Badminton (1)  
Singles and doubles games  2 meetings

129 Archery (1)  
2 meetings

130 Lifeguard Training (1)  
American Red Cross outline for lifeguarding certificate  
PREQ PE 103 or equivalent  3 meetings

132 Basketball (1)  
2 meetings

133 Volleyball (1)  
2 meetings

134 Softball (1)  
2 meetings

135 Soccer (1)  
2 meetings

202 Casting (1)  
Bait, spin, and fly casting, fundamentals and care of equipment  2 meetings

203 Gun Handling (1)  
Shooting techniques, positions, gun laws and care of equipment  2 meetings

204 Snow Skiing (1)  
Meetings as announced

205 Modern Dance and Choreography (1)  
Dance as an art form and a physical activity, elements of composition for expressive,  
creative, rhythmic movement  2 meetings

206 Social, Line, and Folk Dance (1)  
Skills, control, and poise required in social, line, and folk dances  2 meetings

207 Fencing (1)  
2 meetings

209 Advanced Tennis (1)  
PREQ 122 or permission of instructor  2 meetings  (F5)
210 **Advanced Golf (1)**  
PREQ 123 or permission of instructor  2 meetings (F5)

214 **Tumbling and Rebound Tumbling (1)**  
Tumbling and floor exercises, trampolining  2 meetings (F5)

215 **Gymnastic Apparatus (1)**  
Long horse vault, parallel bars, horizontal bar, rings, side horse, uneven parallel bars, balance beam, and vault  2 meetings

228 **Adapted Physical Education (1, R3)**  
Remedial and therapeutic activities  PREQ Permission of instructor and recommendation of a physician  2 meetings

230 **Ice Skating (1)**  
Mechanical principles of ice skating, history, equipment, safety of ice skating as a recreational activity  2 meetings

231 **Aquarobics (1)**  
Pool-based nonswimming aerobic activity for all ages and fitness levels  2 meetings

**Major Courses**

213 **(SM 213) Introduction to Athletic Training (3)**  
Prevention of injuries, bandaging, and the treatment of basic injuries in varsity athletics

250 **Elementary School Physical Education Curriculum (2)**  
Physical education in relation to the total curriculum

251 **Dance Dynamics (3)**  
Methods and materials in creative rhythms, singing games, folk dances, and modern dance  2 Lecture, 2 Lab

255 **Fitness, Wellness and Conditioning Theory and Practice (2)**  
This course is designed as practical application of fitness, wellness and conditioning concepts  The student will be actively engaged in planning program design for others

256 **Pedagogical Aspects of Physical Education (2)**  
Foundational pedagogy course designed to develop knowledge of effective instruction in physical education

264 **Skill Acquisition (1)**  
The course emphasizes skill acquisition in tumbling, gymnastics and swimming  2 meetings

265 **Sports Officiating I, II (2,2)**

266 Rules, techniques, and mechanics in sports officiating, football, softball, baseball in 265, basketball, volleyball, soccer in 266

310 **Management of Physical Education and Sport Activity (2)**  
Study of management functions of physical education, intramurals, and sport programs  2 Lecture, 1 Lab

311 **(HEAL 311) Measurement and Evaluation (2)**

312 **Foundations of Health and Physical Education (3)**  
The basic physiological, psychological, and sociological principles and historical foundations
313 (SM 313) Psychological Aspects of Sport (3)
The psychological aspects of sport and coaching methods  PREQ Junior standing, SM 260 for SM majors

316 Administration of Recreational Agencies (2)
Organizational theory, facility, program, and personnel management in private and commercial recreational agencies  PREQ Permission of instructor

325 Physical Education Curriculum and Methods (3)
Class management, teaching methods, and program content for grades K-12  PREQ Majors must be admitted to the professional education sequence Minors by permission of instructor

335 Anatomy and Physiology (3)
The study of the structure and function of the human body

345 Physical Education for Children (3)
Developmental approach to physical education for the elementary school program  2 Lecture, 2 Lab

353 Methods and Teaching Analysis of Team and Individual Sports (3)
Methods, materials, and skills used in teaching sports basketball, soccer, softball, tennis, track and field, and volleyball  PREQ 312  2 Lecture, 2 Lab

360 Skills in Promoting Healthful Living (1)
A competency-based course of methods and materials in health, first aid/safety, and physical education for the elementary school program  2 Lecture, 1 Lab

361 Physical Education for the Elementary Teacher (1)
A competency-based course of methods and materials in physical education for the elementary school program  3 per week for 5 weeks

380 Independent Study (1-3)
A topic in health, physical education, or recreation agreed upon by student and instructor  PREQ ENGL 102, permission of department head

383 Instructional Apprenticeship (1, R3)
Apprenticeship to develop teaching and leadership skills before student teaching  PREQ Physical education major, permission of instructor  3 hours per credit hour

389 Cooperative Education in PE and Sports (1 or 3, R15)
See Cooperative Education Program

405 Adventure Education (1)
Adventure education and wilderness leadership Use of games, initiative problem-solving activities, trust building activities and challenge or peak experiences in educational settings  PREQ Permission of instructor  1 Lecture, 2 Lab

410 Coaching Baseball and Football (3)
History, methods, materials, skills, and strategies of coaching baseball and football  PREQ Junior-level standing, 2 Lecture, 2 Lab

411 Coaching Basketball, Track, and Field (3)
Methods, materials, skills, and strategies for women's and men's basketball and track and field  PREQ Junior-level standing, 2 Lecture, 2 Lab

418 Coaching Soccer and Volleyball (3)
Methods, materials, skills, and strategies of coaching soccer and volleyball  PREQ Junior-level standing, 2 Lecture, 2 Lab
423 Kinesiology (3)
Structure and function of the human muscular system as related to sports and activities  
PREQ 335

424 Physical Education for the Exceptional Child (2)  
Physical injuries, disabilities, illnesses, experience in analysis and application of therapeutic modalities  
PREQ 423 or permission of instructor

425 Exercise Physiology (3)  
The study of the acute and chronic effects of exercise on the human body  
PREQ 335

435 Motor Behavior (3)  
Analysis of the various theories related to motor learning, including equipment, evaluation techniques, and application in an educational environment  
PREQ 335

490 Supervised Student Teaching in Physical Education (9)  
A full-time teaching experience in physical education  
COREQ 496

493 Special Topics (3, R6)  
Trends and issues in physical education, sport management, and recreation

496 Student Teaching Seminar in Physical Education (3)  
Theory related to practice during physical education student teaching  
COREQ 490

Graduate Courses
615 Legal Issues in Human Performance (3)  
621 Research in Health and Human Performance (3)  
625 Motor Learning (3)  
630 Physical Education Curriculum (3)  
635 Lifespan Motor Development (3)  
640 Administration of Physical Education (3)  
650 Applied Physiology (3)  
655 Methods and Analysis in Physical Education and Sport Instruction (3)  
665 Exercise Testing and Prescription (3)  
675 Issues in Intramurals and Athletics (3)  
676 Research Techniques in Exercise Physiology (3)  
694 Special Problems (1-3, R9)  
696 Seminar/Practicum in Physical Education (3)  
699 Thesis (3, R6)  
779 Continuing Research—Non-Thesis Option (1, R10)  
799 Continuing Research—Thesis Option (2, R24)

Physical Therapy (PT)

190 Caring for the Aging Population Challenges and Solutions (3)  
Investigate issues related to aging and health, including longevity, age-related changes in healthy older people, living arrangements, caregiving, programs for healthier aging, nutrition, financial concerns  
(P1)

Graduate Courses
611 Physical Therapy Science I (3)  
612 Physical Therapy Science II (3)  
613 Physical Therapy Science III (4)  
614 Physical Therapy Science IV (4)  
615 Physical Therapy Science V (4)  
621 Human Anatomy I (3)  
622 Human Anatomy II (3)  
623 Functional Human Anatomy I (4)  
624 Functional Human Anatomy II (4)  
631 Human Physiology I (2)  
632 Human Physiology II (2)  
641 Scientific Inquiry I (2)  
642 Scientific Inquiry II (2)  
643 Scientific Inquiry III (1-3)  
644 Scientific Inquiry IV (1-3)  
651 Clinical Logic I (3)  
652 Clinical Logic II (3)  
653 Clinical Logic III (3)  
655 Management and Supervision (3)  
660 Neuroscience (2)  
665 Physical Care and Management of Students with Severe/Profound Disabilities (3)  
680 Directed Independent Study (1-3, R9)  
683 Experiential Professional Activities  
684 I and II (2, 2)  
693 Topics in Physical Therapy (1-3, R9)  
720 Program Assessment (1)  
779 Continuing Research—Non-Thesis Option (1, R10)  
783 Experiential Professional Activities  
784 III and IV (3, 10)
Physics (PHYS)

105 Contemporary Physics (3)
A lecture-laboratory integrated course covering basic theories and techniques used in physics. Topics include wave motion, matter, heat, electromagnetism, quantum mechanics, and nuclear physics. 3 Lecture/Lab (P2)

130 Introductory Physics I (4)
Noncalculus-based treatment of motion, force, energy, and heat. PREQ MATH 130 COREQ PHYS 130 lecture and PHYS 130 lab. 3 Lecture, 2 Lab (Lecture-3 credits, Lab 1 credit) (Lab is required)

131 Introductory Physics II (4)
A continuation of PHYS 130 covering electricity, magnetism, optics, and modern physics. PREQ PHYS 130 COREQ PHYS 131 lecture and PHYS 131 lab. 3 Lecture, 2 Lab (Lecture 3 credits, Lab 1 credit) (Lab is required)

150 Perspectives on Physics and Technology (1)
Inquiry-based course exploring applications of physics to solving real-world problems. Historical background, scientific viewpoints, current cutting-edge research, and careers in physics and technology. 2 Lecture/Lab

230 General Physics I (4)
Calculus-based study of motion, force, energy, wave motion, and thermodynamics. PREQ MATH 153 COREQ PHYS 230 lecture and PHYS 230 lab. 3 Lecture, 3 Lab (Lecture-3 credits, Lab-1 credit) (Lab is required)

231 General Physics II (4)
A continuation of PHYS 230 covering electricity, magnetism, optics, and modern topics. PREQ PHYS 230 COREQ PHYS 231 lecture and PHYS 231 lab. 3 Lecture, 3 Lab (Lecture 3 credits, Lab 1 credit) (Lab is required)

302 Electronics (4)
Circuit theory, discrete devices, amplifiers, operational amplifiers, integrated circuits, and digital techniques. PREQ 131 and a course in differential and integral calculus. 3 Lecture, 3 Lab

310 Modern Physics (3)
Special relativity, quantum physics, the wave nature of matter, atomic and nuclear structure, and elementary particles. PREQ 131 or 231, MATH 140 or 153

320 Mathematical Methods of Physics (3)
Complex numbers and functions, series, Fourier series, cylindrical and spherical polar coordinate systems, ordinary and partial differential equations. PREQ 131 or 231, MATH 255

322 Optics (4)
Geometrical and physical optics, introduction to quantum optics. PREQ 131, MATH 255. 3 Lecture, 3 Lab

325 Thermodynamics (3)
Classical theory of heat, first and second laws of thermodynamics, enthalpy, entropy, introductory kinetic theory, and statistical thermodynamics. PREQ 131, MATH 256

330 (GEOL 330) Geophysics (4)
The physics of the Earth. Topics include theory and applications of gravity, magnetism, electricity, and seismics to environmental and tectonic problem-solving in geology. Field-oriented lab problems and applications. PREQ 130 or 230 COREQ 131 or 231. 3 Lecture, 3 Lab
335 Astrophysics (3)
Introduction to the basic principles of astrophysics, stellar structure, stellar evolution, galactic astronomy  
PREQ 231 or 131, MATH 256

360 Laboratory Physics (2)
Intermediate experiments in modern physics  
PREQ 131 or 231

380 Research in Physics (2, R8)
Physics research projects for individual students  
PREQ Permission of instructor

389 Cooperative Education in Physics (1 or 3, R15)
See Cooperative Education Program

410 Classical Mechanics (3)
Topics in analytical mechanics using vector operators and differential equations  
PREQ 320 or MATH 256

420 Nuclear Physics (3)
Nuclear decay, models, reactions, fission, fusion, lab techniques of instrumentation, gamma spectra, particle techniques  
PREQ 131 or 231 and a course in differential and integral calculus 2 Lecture, 3 Lab

440 Electricity and Magnetism (3)
Topics in electricity and magnetism using vector operators and differential equations  
PREQ 410 and 320 or MATH 320

450 Quantum Mechanics (3)
Origins of quantum theory, the Schrodinger equation, one-dimensional potentials, linear harmonic oscillator, spherically symmetric potentials and the hydrogen atom  
PREQ 310, MATH 256

454 (CHEM 454) Computer Interfacing (3)
Digital logic, computer design, and interfacing with laboratory instruments  
PREQ Permission of instructor 2 Lecture, 3 Lab

493 Topics in Physics (2-4)
PREQ 350 or permission of department head

495 Seminar in Physics (1)
S/U grading

Graduate Courses
601 Topics in Physics Education I (3)
602 Topics in Physics Education II (3)

Political Science (PSC)

106 Grassroots Democracy Citizenship Issues and Participation (3)
Analysis of current political institutions and their development within the cultural setting, applications and problems of citizenship in a functioning democracy (P1)

107 (301) Comparative Political Cultures (3)
Impact of cultural differences on the policies and political perspectives of various First, Second, and Third World nations, comparison and contrast of contemporary examples

108 Global Issues (3)
How globalization as a cultural and economic process is transforming contemporary society (P1)
190 Active Citizenship Making a Difference in Your Community (3)
Examples of political activism and application of successful principles to enhance the quality of life in the WCU community (P1)

231 American Government and Politics (3)
The American political system, introduction to government institutions and how politics shapes policies

302 Problems and Policies of American Government (3)
Alternative public policies in selected areas: social welfare, health care, resources, labor, agriculture, civil rights, business, taxation, defense, and education

303 State and Local Government (3)
Structure and functions of state and local government, processes of policy formation

304 Public Administration (3)
Administrative theory and practice, implementation of governmental policies, case studies of the administrative process in such areas as business regulation, health care, and law enforcement

305 Congress (3)
Congress as an institution, its role in the formulation of national policies, case studies dealing with legislation in the various areas of national policy

306 American Presidency (3)
The chief executive, his advisers, role playing, and decision making in the executive branch

307 Civil Service Administration (3)
Policies, methods, and techniques used in civil service systems, problems and procedures in the public sector (local, state, and national)

309 The Politics of Budgeting (3)
Budgetary aspects of national, state, and local government operations, budget formulation, execution and enactment, revenue resources, politics of process

310 Constitutional Law Structure and Powers (3)
Analysis of judicial review, constitutional powers of the branches of government, federalism, sources of regulatory authority, and constitutional protection of political rights

315 European Political Systems (3)
Comparison of the political systems of selected nations

316 Politics of Developing Areas (3)
Comparative analysis of developmental processes pursued through political, military, economic, and administrative structures of Third World nations, case studies

317 Politics of East Asia (3)
Selected political systems of East Asia, factors involved in political change and modernization

318 Soviet Political System (3)
The making of domestic and foreign policy by the Communist Party as a respondent to and a representative of the Russian political culture

319 Latin American Political Systems (3)
Institutions, groups, parties, and processes, problems of political development, modernization, and change

331 International Politics (3)
Components and characteristics of the international political system, conflict and cooperation in international relations, changing nature of international behavior
332 **International Organization** (3)  
Global and regional organizations promoting settlement of disputes, collective security, economic development, human rights, and self-government

333 **International Law** (3)  
Rules and practices regulating such matters as state territory and jurisdiction, treaties, nationality, and treatment of aliens, diplomatic and consular relations, warfare

334 **United States Foreign Policy** (3)  
Policies governing America's foreign relations, personnel and agencies responsible for policy implementation, role of the United States in world affairs since World War II

335 **Problems in World Politics** (3)  
Contemporary issues in international politics, international problem-solving methods and applications

336 **Mass Media and American Politics** (3)  
Examination and assessment of the power and influence of the mass media in American politics, emphasis on television

345 **Ancient and Medieval Political Thought** (3)  
Political philosophers from Plato to Thomas Aquinas, their ideas examined and related to current issues

346 **Modern Political Thought** (3)  
Political philosophers from Machiavelli to Mill, ideas providing the basis of modern political discussion and controversy examined

347 **American Social and Political Eras** (3)  
American social and political ideas from the Federalist Papers to the present

348 **Political Analysis** (3)  
Research methods and theoretical approaches for describing, explaining, and solving domestic and foreign policy problems  PREQ 231 or permission of instructor

351 **Gender in Politics** (3)  
Gender roles examined in the context of national, state, and local government and politics

389 **Cooperative Education in Political Science** (1 or 3, R15)  
See Cooperative Education Program

407 **American Political Parties** (3)  
American political parties and their role in the government and politics of contemporary society, current national issues dividing the parties

408 **Southern Politics** (3)  
An analysis of Southern politics that focuses on the region’s unique political history, its transformation during the twentieth century and its importance in national politics

421 **Political and Organizational Leadership** (3)  
Concepts and processes of leadership related to political and public organizations  PREQ 6 hours in political science or permission of instructor

436 **Dynamics of World Order** (3)  
Alternative approaches to meeting social and political needs in a changing global environment, conditions and practices of interdependence

480 **Readings in Political Science** (3)  
PREQ Departmental permission
483 Internship in Political Science (3, 3, 3)
484 Work experience in a government or community agency applying academic studies to practice S/U grading PREQ Permission of department head 9 hours per week per course

493 Contemporary Political Systems (3, R6)
Problems in the structure and functions of selected political systems reflected against their political cultures

494 Seminar American Political Systems (3)
Current issues in American government and politics

Graduate Courses
507 American Political Parties (3)
508 Southern Politics (3)
521 Political and Organizational Leadership (3)
536 Dynamics of World Order (3)
580 Reading in Political Science (3)
593 Contemporary Political Systems (3, R6)
595 Seminar The American Political System (3)
693 Topics in Political Science (1-6, R9)

Project Management (PM)

Graduate Courses
500 Tools for Financial Management (2)
505 Introductory Statistics and Microeconomics (2)
515 Legal and Ethical Issues (2)
650 Project Management Systems (6)
652 Project Plan Development (6)
654 Project Plan Analysis and Approval (6)
656 Project Implementation Policies and Procedures (6)
658 Project Implementation Monitoring and Production (6)
660 Project Completion and Professional Evolution (6)
665 Project Management Systems (3)
779 Continuing Research - Non-Thesis Option (1, R10)

Psychology (PSY)

150 General Psychology (3)
Overview of psychology and the scientific study of behavior, topics in social, abnormal, and developmental physiological psychology, and personality, sensation, perception, and learning (P1)

190 Freshman Seminar (3)
Various special topics in psychology designed to encourage an in-depth exploration of ideas and intellectual discussion on specific subjects (P1)

251 Research Methods I. Statistics (3)
Statistical description and inference, central tendency and variability, correlational measure, parametric and nonparametric tests of significance PREQ An algebra course, PSY 150 or permission of instructor

252 Research Methods II. Experimentation (3)
Naturalistic observation and correlational research, research designs and statistics, ethical issues, data collection and analysis, writing formal papers PREQ 251 or permission of instructor

260 Introduction to Gerontology (3)
Introduction to the field of gerontology PREQ 150 or permission of instructor

280 Research in Psychology I (1-3, R3)
Introductory-level supervised bibliographical or research activity S/U grading PREQ 150 or permission of instructor

310 Social Psychology (3)
Social influences on individual behavior, feelings, and thoughts, social-psychological approaches to problems of attitudes, conformity, leadership, and other group phenomena PREQ 150 or permission of instructor
313 Organizational and Industrial Psychology (3)
Structure, methods, techniques, and application of psychological concepts to human problems of work in organizations  PREQ  150 or permission of instructor

320 Child and Adolescent Development (3)
Theories and principles of development of individuals from diverse backgrounds from conception through adolescence  Field experience required  PREQ  Completion of EDCI 231 with a grade of "C" or better for teacher education majors, PSY 150 or permission of instructor for other majors

321 Educational Psychology (3)
Application of psychological principles to teaching, cognition, learning, motivation, measurement, individual differences including cultural differences and exceptionalities, and behavior management  PREQ  320 or 322 and admission to teacher education program  Field experience required

322 Adolescent Development Problems and Achievements (3)
Theories and principles of development and problems specific to adolescents from diverse backgrounds  Field experience required  PREQ  Completion of EDCI 231 with a grade of "C" or better for teacher education majors, PSY 150 or permission of instructor for other majors

325 Development Early Adulthood through Maturity (3)
Physiological, cognitive, emotional, psychological, and social development after adolescence  PREQ  150 or permission of instructor

327 Psychology of Aging (3)
The process of aging during the later years, biological, psychological, and cognitive changes, theories of aging, counseling approaches  PREQ  150 or permission of instructor

331 Human Sexuality (3)
Physiological, biochemical, psychological, social, and legal aspects of human sexual behavior

333 Psychology of Sex Differences (3)
Development of sex differences and similarities in cognition, personality, and social behaviors, the role of physiological, social, and cultural factors  PREQ  150 or permission of instructor

360 Psychological Testing (3)
History, theory, and practice of measurement, test development and standardization, evaluation of intelligence, achievement, aptitude, and personality  PREQ  150 or permission of instructor

363 Behavioral Intervention (3)
A survey of behavioral theory covering both nonmediational and mediational approaches  Applications of behavioral theory to a variety of difficulties including school and clinical settings  PREQ  150 or permission of instructor

370 Psychology and Law (3)
Interrelationships between psychology and the legal system, identifying psycholegal issues in daily life, applying psychological theory and research to resolution of psycholegal dilemmas in real world  PREQ  Junior or senior status (P1)

389 Cooperative Education in Psychology (1 or 3, R15)
See Cooperative Education Program

393 Topics in Psychology (3, R9)
PREQ  150 or permission of instructor
426 Death and Dying (3)
Psychological foundations and correlates of death anxiety and grief, cross-cultural perspectives, death education and stages in children's awareness, coping with grief and fears  PREQ 150 or permission of instructor

430 Personality (3)
Assumptions, constructs, and theories of personality, related empirical findings  PREQ 150 or permission of instructor

440 Biological Psychology (3)
Physiological, genetic, and evolutionary bases of behavior  PREQ 150 or permission of instructor

441 Health Psychology (3)
Psychological foundations of health and illness, exploration of the impact of thoughts, emotions, and behavior on the development, treatment, and prevention of illness and the maintenance of health  PREQ 150 or permission of instructor

444 Language, Memory, and Cognition (3)
Theories and principles of human information processing, language production and comprehension, basic processes in memory and cognition  PREQ 150 or permission of instructor

448 Human Neuropsychology (3)
Survey of the basic theories of neuropsychology, emphasizing both cognitive and clinical research The course will focus on the influence of the human brain on normal and abnormal behavior  PREQ 150 or permission of instructor

455 Systems and Theories in Psychology (3)
Systematic survey of psychology as a scientific endeavor from early approaches to contemporary schools and trends  PREQ 150 or permission of instructor

460 Crisis Intervention (1)
Theory and nature of crises, intervention strategies for dealing with a variety of crises such as physical assault, rape, suicide, and natural disaster  Enrollment restricted to Emergency Medical Care majors

470 Abnormal Psychology (3)
Theories of psychopathology, etiology, dynamics, symptomatology, diagnosis, and treatment  PREQ 150 or permission of instructor

474 The Emotionally Disturbed Child and Adolescent (3)
Etiology, characteristics, assessment, and treatment of deviation, learning difficulties, behavioral and psychotic disorders, problems of the handicapped  PREQ 150 or permission of instructor

475 Applications in Psychology (3)
Applications of psychology to bachelor-level psychology jobs Communication and listening skills, crisis management, milieu therapy Professional roles and boundaries, ethics and legal issues, documentation  PREQ 150, 251, 252, 470, either 363 or 430, plus one of the following 320, 322, 325, or 327

480 Research in Psychology (1-6, R6)
Supervised research experiences for advanced students  S/U grading  PREQ 150, 251, 252, permission of instructor

483 Internship in Psychology (3, 3, 3, 3)
Application of theory, methods, and techniques in a cooperating agency under faculty supervision  PREQ 2.0 GPA, 20 hours of psychology, and a course in methods of counseling, or permission of instructor 9 hours applicable to major 10 hours per week per course
**495 Senior Seminar in Psychology (3)**
Overview of the history and current state of psychology. Discussions of important facts, issues, concepts, and theoretical perspectives in psychology. **PREQ** 252 or permission of instructor.

**Graduate Courses**
- 510 Individual Psychology (3)
- 526 Death and Dying (3)
- 530 Personality (3)
- 540 Biological Psychology (3)
- 541 Health Psychology (3)
- 544 Language, Memory, and Cognition (3)
- 548 Human Neuropsychology (3)
- 555 Systems and Theories in Psychology (3)
- 570 Abnormal Psychology (3)
- 574 The Emotionally Disturbed Child and Adolescent (3)
- 610 Advanced Social Psychology (3)
- 621 Advanced Educational Psychology (3)
- 624 Child Development (3)
- 625 Adolescent Development (3)
- 626 Adulthood and Aging (3)
- 648 Advanced Neuropsychological Assessment (3)
- 650 Advanced General Psychology (3)
- 652 Advanced Research Proposal Writing (2)
- 661 Psychological Assessment I (4)
- 662 Personality Assessment (3)
- 663 Assessment and Intervention with Infants (3)
- 664 Psychological Assessment II (3)
- 671 Advanced Psychopathology (3)
- 672 Psychotherapy I Theories (3)
- 673 Professional Issues (3)
- 674 Advanced Child Psychopathology (3)
- 675 Behavioral Interventions (3)
- 676 Psychotherapy II Techniques (3)
- 677 Group Psychotherapy (3)
- 678 Family Systems (3)
- 679 Survey of Clinical Psychology (3)
- 680 Directed Study in Psychology (3, R6)
- 683 Internship in Psychology (6)
- 684 Internship in Psychology (6)
- 686 Practicum in Psychology (4)
- 693 Topics in Psychology (3, R9)
- 697 Seminar: Behavioral/Emotional Evaluation of Children and Adolescents (3)
- 698 Rorschach Seminar (3)
- 699 Thesis (3, R6)
- 999 Continuing Research—Thesis Option (2, R24)

**Public Affairs (PA)**

**Graduate Courses**
- 571 Government-Business Relations (3)
- 572 Public Policy Formulation (3)
- 670 Public Affairs Administration (3)
- 671 Budgetary Processes (3)
- 672 Governmental Organizations (3)
- 673 Public Policy Analysis (3)
- 674 Statistics and Decision Making (3)
- 675 Metropolitan Government (3)
- 676 Government and Press Relations (3)
- 685 Internship in Public Affairs (3)
- 779 Continuing Research—Non-Thesis Option (1, R10)

**Reading (EDRD)**

**250 College Reading and Vocabulary (3)**
Extending skills for college and recreational reading emphasis on vocabulary and comprehension.

**280 Speed Reading (3)**
Techniques for improving reading speed, efficiency, vocabulary, and study habits, skimming, pacing, eye exercises, comprehension, and retention. 2 Lecture, 2 Lab.

**323 Reading and Communication Skills in Content Areas (2)**
Methods for teaching reading and other communication skills in content areas. **PREQ** Admission to the professional education sequence.

**334 Reading Instruction in the Elementary School (3)**
Methods and materials for teaching reading in grades K-6, integration of communication skills in the total developmental reading program. **PREQ** Admission to the professional sequence or permission of the instructor.

**389 Cooperative Education in Reading (1 or 3, R15)**
See Cooperative Education Program.

**443 Middle Grades Reading (3)**
Methods and materials for teaching reading and other communication skills in the middle grades, emphasis on organization for instruction, word identification and comparison skills, and reading in content materials.
263

453 High School and Adult Reading (3)
Methods and materials for teaching reading in high school and adult education  PREQ 443

474 Practicum in Teaching Reading (3)
Assessment of reading problems and strategies for teaching reading  PREQ 334 or 443 and EDEL 315  2 Lecture, 2 Lab

Graduate Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>520</td>
<td>Phonics and Word Analysis (3)</td>
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<tr>
<td>533</td>
<td>Reading and Communication Skills (3)</td>
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<td>543</td>
<td>Middle Grades Reading (3)</td>
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<tr>
<td>553</td>
<td>High School and Adult Reading (4)</td>
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<tr>
<td>573</td>
<td>Practicum in Teaching Reading (3)</td>
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<tr>
<td>631</td>
<td>Smoky Mountain Language and Literacy Institute (3, R9)</td>
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<tr>
<td>641</td>
<td>Seminar I Investigation and Research in Teaching Reading (3)</td>
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<td>651</td>
<td>Clinical Procedures in Remedial Reading (3)</td>
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<td>672</td>
<td>Organization and Supervision of Reading Programs (3)</td>
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<td>661</td>
<td>Issues and Trends of Literacy Education (3)</td>
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<td>676</td>
<td>Reading Workshop (3)</td>
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<td>700</td>
<td>History and Psychology of Reading Instruction (3)</td>
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<td>710</td>
<td>Field Experience in Reading (3)</td>
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<td>720</td>
<td>Developing and Evaluating Reading Materials (3)</td>
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<td>740</td>
<td>Reading Research Projects (3)</td>
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<tr>
<td>750</td>
<td>Reading Communication and Language Structure (3)</td>
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<tr>
<td>780</td>
<td>Independent Study in Reading Education (3)</td>
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<tr>
<td>795</td>
<td>Advanced Seminar in Reading (3)</td>
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</tbody>
</table>

Recreational Therapy (RTH)

100 T'ai Chi Ch'uan (1, R3)
First circle of Yang Family Long Form, T'ai Chi Ch'uan  The gentle art of moving meditation  1 meeting

200 Foundations of Recreational Therapy (3)
An investigation into the prescribed use of recreational activity as a clinical treatment modality for persons whose functional abilities are impaired

350 Recreational Therapy and People with Physical Disabilities (3)
Addressing physical and psychological needs of individuals with physical disabilities through recreational therapy service in clinical and community settings

352 Recreational Therapy Processes and Techniques (3)
Assessment, planning, implementation, and evaluation strategies attendant to recreational therapy service delivery  PREQ 200

360 Recreational Therapy Services for Older Adults (3)
Addressing the physical, psychological, and social needs of the elderly through recreational therapy

389 Cooperative Education in Recreational Therapy (1 or 3, R15)
See Cooperative Education Program

395 Pre-Internship Seminar (1)
Overview of NCTRC standards for professional certification, personal communication skills, practicum documentation requirements, internship site selection, and bloodborne pathogen training  PREQ RTH major, junior standing

396 Special Topics (1-3)

417 Administration of Recreational Therapy Services (3)
Contemporary recreational therapy program organizational principles and administrative issues  PREQ 200
450 Advanced Methods in Recreational Therapy (3)
Theoretical and practical examination of contemporary implementation procedures used in recreational therapy practice. Field trips required. PREQ 200 or permission of instructor.

470 Adventure-Based Recreational Therapy (3)
A theoretical and practical investigation of structured outdoor experiences as vehicles for facilitating human growth and development. Field trips required. PREQ PRM 321 or permission of instructor.

481 Independent Study (1-3, R6)

484 Recreational Therapy Clinical Internship (6, 6)
Experience designed to integrate theory with practice, observation, fieldwork, and planning in a setting related to student's area of interest. PREQ RTH major and permission of curriculum coordinator. 3 hours per credit hour.

Religion (REL)

105 Eastern Religious Traditions (3)
Historical, political, and theological contexts in which the major religious traditions of the East (Buddhism, Confucianism, Hinduism, Taoism) developed, with attention to distinctive ethical principles (P6).

106 Western Religious Traditions (3)
Historical, political, and theological contexts in which the major religious traditions of the West (Judaism, Christianity, Islam) developed with attention to noted ethical principles (P3).

210 Origins of Early Christian Traditions (3)
Study of the historical events, processes, and key persons involved in the emergence of the early Christian church, stressing philosophical-theological disputes forming early Christianity (P3).

220 Women and Religion (3)
Study of women's narratives and visions—feminist theologians, women mystics, female writers—as they reflect on spiritual life, marginalization, moral imagination, and community (P6).

305 Medieval and Reformation Theology Divine Foreknowledge, Free Will, and Justification by Faith (3)
Historical-critical study of key texts of medieval Catholic theologians, Anselm and Aquinas, later Scholasticism, Erasmus' humanism, followed by examination of Reformation theologians, Luther and Calvin (P3).

309 Religion in Film (3)
An examination of how religion and the fundamental problems of religious thought have been portrayed in classic and contemporary film (P6).

311 Religion and Science God's Law and Laws of Nature (3)
Study of the conflicts between religious and scientific explanations of reality, examines pivotal cases—Galileo/Church dispute, Darwinism/creationism—for constructive models of religious-scientific dialogue (P3).

314 Religion, Suffering, and the Moral Imagination (3)
Exploration of the perennial problems of human suffering and the quest for moral meaning as exemplified in imaginative creations in literature, philosophy, and religious thought (P6).
380 Independent Study (1-3, R6)
493 Topics in Religion (3, R6)

Science Education (SCI)

422 Principles and Methods of Science Education (3)
Philosophy and techniques of inquiry teaching applied to the science curriculum, grades 9-12. Field experience required. PREQ: Admission to teacher education.

451 Environmental Science for Teachers (3)
Materials and techniques for interdisciplinary projects.

493 Topics in Science Education (1-3, 1-3)

Graduate Courses

551 Environmental Science for Teachers (3)
612 Advanced Science Methods (3, R6)
593 Topics in Science Education (1-3, R6)
621 Biology and Environmental Science for Teachers (3)
594 Topics in Science Education (1-3, R6)
695 Seminar in Science Education (3)
611 Physical and Earth Science for Teachers (3)
696 Seminar in Science Education (3)

Secondary Education and Special Subject Teaching (EDSE)

322 Principles and Methods of Teaching (3)
Methods, strategies, materials, and techniques of clinical and classroom teaching. PREQ: Admission to the teacher education program or permission of department head.

486 Field Experience in Teaching (3, R6)
Supervised experience for a second teaching certification or for an initial certification for individuals who are employed as full-time teachers. 9 hours per week.

487 Teaching Practicum in Clinical Settings (1, R3)
Experience using teaching techniques, materials, and methods for individualized instruction in job-related settings. S/U grading. PREQ: Junior standing and permission of adviser and department head. 1 Lecture, 1 Lab.

490 Supervised Student Teaching (9)
A full-time teaching experience. COREQ: 495.

492 Supervised Student Teaching in Health Education (6)
COREQ: 495.

495 Student Teaching Seminar (3)
Theory related to practice during student teaching. COREQ: 490, 492.

Social Work (SOCW)

151 Introduction to Social Work (3)
Social work as a profession, history, current practice settings, professional values and requirements.

251 Social Issues, Policy and Programs (3)
Overview of social welfare policies and programs, political, economic and social conditions affecting disadvantaged populations. Policy development and analysis, advocacy, historical perspectives. (P1)
253 *Foundations of Social Work* (3)
Basic knowledge of the profession, emphasis on communication and interviewing skills and the generalist approach  PREQ 151

304 *School Social Work* (3)
Practice in the school system, its content, history, and legal framework, special needs children, designs, delivery, and evaluation of services

310 *Social Work With Groups* (3)
Knowledge of group dynamics, values, and methods with a focus on social work groups, including self-help, task, and behavioral

326 *Child Welfare* (3)
Child welfare services, public and private programs, children's rights, and issues affecting services for children and families

327 *Social Work with Families* (3)
Concepts and skills for intervention with families, emphasis on family strengths and community resources and some policies affecting families

329 *Social Work with Older Adults* (3)
Concepts and skills for effective practice with the aging, needs and strengths of older people, community resources, professional approaches to intervention

330 *Social Work in the Health Field* (3)
Concepts and skills for intervention in hospitals, out-patient clinics, and other health settings, and on some policies affecting health care

334 *Human Behavior and the Social Environment I* (3)
Focus on interaction of people with their environments from pregnancy to young adulthood Theories and research about human growth and development are considered

335 *Social Work Research and Statistics* (3)
Research and statistical methods used in building social work practice knowledge  PREQ 151

354 *Human Behavior and the Social Environment II* (3)
Focus on interaction of people and their environments from adolescence to later adulthood Theories and research about human growth and development are considered  PREQ 334

362 *Direct Practice Individuals and Families* (3)
Application of knowledge, values, and skills to social work practice individuals, families, and groups  PREQ 253 and admission to the social work program

364 *Community Practice* (3)
Application of knowledge, values, and skills to social work practice organizations and communities, advocacy  PREQ 253 and admission to the social work program

373 *Contemporary Issues in Social Policy and Law* (3)
Current legal, political, economic, and social issues that influence the profession and practice of social work  PREQ 251

393 *Topics in Social Work* (3, R12)

395 *Seminar in Social Work* (1-3, R9)
Current trends and issues for practice, studies of social work agencies and programs, examination of social welfare policies and concerns  PREQ Permission of instructor

402 *Diversity in Contemporary Society* (3)
Focus on diversity of culture, ethnicity, ability, sexual orientation, and gender, emphasis on the consequences of marginalizing members of oppressed groups  (P1)
481 Independent Study (1-3, R6)  
PREQ 253 or permission of department head

486 Field Practicum (12)  
Full-time supervised placement in selected human service agencies to integrate theory 
with practice and prepare for professional responsibility  
PREQ 364 and admission to 
the social work program  
COREQ 496 S/U Grading

496 Field Practicum Seminar (3)  
Integration of content with field practice  
PREQ Admission to the social work program  
COREQ 486

Graduate Courses

593 Topics in Social Work (1-3, R6)

Sociology (soc)

103 Human Society (3)  
Analysis of human behavior in social and cultural contexts, emphasizing the sociological 
perspective  (P1)

190 Freshman Seminar Social Institutions and Issues (3)  
Exploration of various social institutions with a focus on the impact on human behavior 
using the seminar method of instruction 3 Seminar  (P1)

231 Principles of Sociology (3)  
Analysis of human social behavior, basic concepts in current theory and research

235 Social Problems (3)  
Problems of modern American society such as poverty, social conflict, corporate power 
and capitalism, alienation, and deviance

240 Social Change (3)  
Changes in human societies through cultural, economic, social, and political processes, 
introduction to development and social movements  
PREQ 231 or permission of 
instructor

245 Social Inequality (3)  
Social inequalities in wealth, income, prestige, and power, inequalities based on race, 
sex, and age  
PREQ 231 or permission of instructor

248 Rural Society (3)  
Application of sociological concepts to rural environments, characteristics of rural 
population, social structure, social institutions, social change, structure of agriculture, 
local government structure, and processes  
PREQ 231 or permission of instructor

250 Deviant Social Behavior (3)  
Causes and control of individual and group rebellion or retreat from prescribed social 
norms

310 Demography (3)  
Study of population characteristics, growth, and trends within a context of social, 
cultural, economic, and political systems  
PREQ 231 or permission of instructor

326 Gender Roles and Society (3)  
Gender roles examined in a sociological context emphasizing the relationship between 
these roles and the pre-existing sexual stratification system  
PREQ 231 and 245, or 
permission of instructor

342 The Individual in Society (3)  
Individual behavior in social context, social interaction  
PREQ 231 or permission of 
instructor
355 Criminology (3)
Nature, extent, and causes of criminal behavior, role of police, courts, and corrections, prevention and control programs  PREQ 231 and 250, or permission of instructor

360 Sociology of Conflict and Conflict Resolution (3)
Analysis of sociological theories of social conflict, including Marx, Weber, Simmel, Coser, Dahrendorf, and Collins, case studies of conflict and conflict resolution stressing the applications of theory and research  PREQ 231 or permission of instructor

365 Marriage and Family (3)
Sociological approach to institutions of marriage and family, including mate selection, child rearing, divorce, aging, family violence  PREQ 231

371 Society and the Environment (3)
Analysis of the interaction between society and the physical environment, including population, pollution, resource depletion, and the effects on and responses of different social groups  PREQ 231 or permission of instructor

380 (ANTH 380) Ethnographic Research Methods (3)

385 Methods of Social Research (3)
The logic of scientific inquiry, techniques of research used in sociology, including sample surveys  PREQ 231 or permission of instructor

386 Analysis of Social Data (3)
Methods for presentation and analysis of social scientific data, descriptive and inferential techniques, measures of association  PREQ 385

389 Cooperative Education in Sociology (1 or 3, R15)
PREQ 231 or permission of instructor  See Cooperative Education Program

391 Sociological Theory (3)
The development of sociological theory, issues in classical and contemporary social thought  PREQ 231 or permission of instructor

414 (ANTH 414) Minority Groups (3)
Relations between dominant and subordinate races and ethnic groups, historical and comparative aspects, African Americans, Chicanos, and Indians  PREQ 231 and 245, or ANTH 260, or permission of instructor

418 Women and Development (3)
A cross-cultural overview of the impact of modernization on women's status and women's roles in the development process  PREQ 231 and 326, or permission of instructor

420 Women of Color (3)
Life experiences and achievements of women of color in the United States are reviewed  Topics covered include activism, employment, education, health, family life, religion, and the media  PREQ 231 and 326, or permission of instructor

423 (SM 423) Sociology of Sport (3)
Social issues in sport examined from historical, cross-cultural, and sociological perspectives with attention to impact of race, gender, and social class on participation  PREQ Junior standing, SM 260 for SM majors

428 Sociology of Institutions (3)
Theoretical explanations of institutions including education, factories, retail, health care, government, media, and politics, and their influence on society  PREQ 231 or permission of instructor
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>432</td>
<td>Community Organization and Development (3)</td>
<td>Community organization viewed as a process of bringing about desirable changes in community life. Community structure, needs assessment, and planning for change. PREQ 231 and 240, or permission of instructor.</td>
</tr>
<tr>
<td>434</td>
<td>Regional and Societal Development (3)</td>
<td>Social dimensions of economic growth and development with particular emphasis on Third World countries, alternative definitions of development, and changing national, regional, and institutional structures. PREQ 231 and 240, or permission of instructor.</td>
</tr>
<tr>
<td>448</td>
<td>Social Movements (3)</td>
<td>Social movements and collective behavior, mass efforts to promote or resist social change, comparison of riots, reform movements, and revolutions. PREQ 231 and 240, or permission of instructor.</td>
</tr>
<tr>
<td>455</td>
<td>Family Violence (3)</td>
<td>Sociological approach to family violence, including child, spouse, and elder abuse, legal and social responses to each. PREQ 231.</td>
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<tr>
<td>480</td>
<td>Independent Study in Sociology (1-3, R6)</td>
<td>PREQ 231 or permission of instructor.</td>
</tr>
<tr>
<td>483</td>
<td>Internship in Sociology (3)</td>
<td>Application of theory and knowledge to work experience in a cooperating agency. S/U grading 3 hours credit applicable to sociology major or minor. 9 hours per week per course. PREQ 231 or permission of instructor.</td>
</tr>
<tr>
<td>484</td>
<td>Application of theory and knowledge to work experience in a cooperating agency (3)</td>
<td>S/U grading 3 hours credit applicable to sociology major or minor. 9 hours per week per course. Preq 231 or permission of instructor.</td>
</tr>
<tr>
<td>485</td>
<td>Topics in Sociology (1-3, R9)</td>
<td>PREQ Permission of instructor.</td>
</tr>
<tr>
<td>514</td>
<td>(ANTH 514) Minority Groups (3)</td>
<td>Internship in Sociology (3)</td>
</tr>
<tr>
<td>523</td>
<td>Sociology of Sport (3)</td>
<td>Internship in Sociology (3)</td>
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<td>532</td>
<td>Community Organization and Development (3)</td>
<td>Internship in Sociology (3)</td>
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<tr>
<td>534</td>
<td>Regional and Societal Development (3)</td>
<td>Topics in Sociology (3, R6)</td>
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<tr>
<td>554</td>
<td>Sociology of Conflict and Conflict Resolution (3)</td>
<td>Rural Society (3)</td>
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<td>580</td>
<td>Independent Study in Sociology (1-2, R6)</td>
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### Spanish (SPAN)

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>101</td>
<td>Experiencing Spanish and the Spanish-Speaking World (3)</td>
<td>Students develop basic knowledge about the Spanish-speaking world and through that content acquire basic functional proficiency in Spanish. (P6)</td>
</tr>
<tr>
<td>102</td>
<td>Experiencing Spanish and the Spanish-Speaking World II (3)</td>
<td>Students build on their basic functional proficiency in Spanish as they build on their cultural and real-world knowledge of the Spanish-speaking world. PREQ Some competency in Spanish or consultation with instructor. (P6)</td>
</tr>
<tr>
<td>104</td>
<td>Spanish for Educators, Law Enforcement and Health Care Professionals (3)</td>
<td>Students further develop basic language skills related to the contexts of schools, law enforcement, and health care. PREQ 101 or equivalent.</td>
</tr>
<tr>
<td>105</td>
<td>The Spanish-Speaking World (3)</td>
<td>Study of Spanish culture and its relationship to the cultures of countries and regions where Spanish is spoken.</td>
</tr>
<tr>
<td>110</td>
<td>Experiencing Spanish and the Spanish-Speaking World Accelerated (6)</td>
<td>Students develop knowledge about the Spanish-speaking world, and through that content, acquire basic functional proficiency in Spanish. Three credit hours only applicable to Liberal Studies. 4 Lecture, 5 Lab. (P6)</td>
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<tr>
<td>Course Code</td>
<td>Course Title and Description</td>
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<tr>
<td>190</td>
<td>Celluloid and Paper Dreams: Hispanic Literature and Film (3)</td>
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<td></td>
<td>Hispanic culture as expressed in film and literature (P6)</td>
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<tr>
<td>231</td>
<td>Intermediate Spanish I (3)</td>
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<td></td>
<td>Continued development of listening, speaking, reading, and writing, continued study of the culture of the Hispanic world</td>
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<td>PREQ 102 or equivalent or placement</td>
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<tr>
<td>232</td>
<td>Intermediate Spanish II (3)</td>
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<td>Continued development of listening, speaking, reading, and writing, continued study of the culture of the Hispanic world</td>
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<td>PREQ 231 or equivalent or placement</td>
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<tr>
<td>240</td>
<td>Accelerated Second-Year Spanish (6)</td>
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<td>Continuation of 110, increasing emphasis on reading, writing, and the study of culture of the Hispanic world</td>
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<td>PREQ 102 or equivalent or placement</td>
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<tr>
<td>301</td>
<td>Topics of the Hispanic World I (3)</td>
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<tr>
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<td>Examination of topics of interest in the Hispanic world, enhancement of communicative abilities, to include student projects</td>
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<td>PREQ 232 or 240 or equivalent or placement, or permission of department head</td>
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<td>302</td>
<td>Topics of the Hispanic World II (3)</td>
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<td>Examination of topics of interest in the Hispanic world, enhancement of communicative abilities, to include student projects</td>
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<td>PREQ 232 or 240 or equivalent, or placement or permission of department head</td>
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<tr>
<td>303</td>
<td>Applied Spanish Conversation (3, R6)</td>
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<td>Apprenticeship in the intensive language program</td>
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<td>Does not count toward major, minor, or DFA in foreign languages</td>
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<td>PREQ 232 or 240, sophomore standing, selection by faculty</td>
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<tr>
<td>304</td>
<td>Spanish for Careers and Professions (3)</td>
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<td></td>
<td>Interactive study of Spanish as applied to the fields of education, health professions, social services, law and law enforcement, and business</td>
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<td>PREQ 301 or 302</td>
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<td>310</td>
<td>Introduction to Spanish Prose and Poetry (3)</td>
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<tr>
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<td>Introduction to Spanish literary texts, reading and analysis of literary works</td>
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<td>PREQ 232 or 240</td>
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<td>321</td>
<td>Spanish Civilization (3)</td>
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<td>Geographical, political, cultural, and historical aspects of Spain</td>
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<td>PREQ 232 or 240</td>
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<td>PREQ or COREQ 301 or 302, or permission of department head</td>
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<tr>
<td>322</td>
<td>Spanish-American Civilization (3)</td>
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<tr>
<td></td>
<td>Geographical, political, cultural, and historical aspects of Latin America</td>
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<td>PREQ 232 or 240</td>
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<td>PREQ or COREQ 301 and 302, or permission of department head</td>
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<tr>
<td>330</td>
<td>Masterpieces of Spanish Peninsular Literature (3)</td>
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<td>The literary periods and movements, authors, and selected representative works of Spain</td>
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<td>PREQ 232 or 240</td>
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<td>PREQ or COREQ 301 and 302, or permission of department head</td>
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<td>333</td>
<td>Masterpieces of Spanish-American Literature (3)</td>
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<td>The literary periods and movements, authors, and selected representative works of Spanish America</td>
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<td>PREQ or COREQ 301 and 302, or permission of department head</td>
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<td>389</td>
<td>Cooperative Education in Spanish (1 or 3, R15)</td>
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<td>PREQ 301, 302</td>
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<td>See Cooperative Education Program</td>
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</table>
393 Special Topics in Spanish (1-3, R6)  
PREQ 232 or 240

401 Contrastive Features of Spanish and English (3)  
Study of similarities and differences of the two languages regarding phonology,  
morphology, and syntax and issues concerning L2 acquisition  
PREQ 301 and 302,  
or permission of instructor

420 Methods of Teaching Foreign Language (3)  
Methods and materials for teaching second languages in grades K-12  
PREQ Admission to the professional education sequence, EDCI 321

431 Studies in Spanish Peninsular Literature (3, R6)  
Study of an author or authors, a genre, literary movement, school, or literary period of  
Spain  
PREQ 232 or 240  
PREQ or COREQ 301 and 302, or permission of department head

432 Studies in Spanish-American Literature (3, R6)  
Study of an author or authors, a genre, literary movement, school, or literary period of  
Latin America  
PREQ 232 or 240  
PREQ or COREQ 301 and 302, or permission of department head

451 Advanced Spanish Grammar (3)  
In-depth study of the structures and usage of the Spanish language  
PREQ 301 or  
permission of department head

452 Advanced Spanish Conversation (3)  
Discussion of selected topics, reports on assigned readings, situational dialogues in  
practical, everyday Spanish  
PREQ 302 or permission of department head

481 Independent Studies in Spanish (1-3, R6)  
PREQ 301 and 302, or permission of department head

Special Education (SPED)

200 Survey of Exceptionalities (3)  
Historical, philosophical, and legal basis of special education, characteristics and  
related educational needs of children with disabilities, models of delivery of services  
trends in special education for children birth to five years old  
PREQ BK 260 and admission to professional education sequence

240 The Exceptional Child (3)  
Areas and characteristics of exceptionalities, problems in learning and personal-social  
adjustment of exceptional children, educational alternatives

310 Evaluation of the Exceptional Child (3)  
Development of assessment programs and evaluation procedures, practice administer-  
ing and interpreting tests

312 Teaching Elementary Students with Learning Problems (K-6) (3)  
Methods and materials for evaluating and instructing children with mild to moderate  
learning problems  
PREQ 240, admission to the professional education sequence

313 Assessment of the Young Child (3)  
Assessment activities including screening, diagnostic assessment, and educational  
assessment for young children, with emphasis on connecting observation, assessment,  
planning, and evaluation  
PREQ 240  
2 Lecture, 3 Lab
323 Preprofessional Seminar in Mental Retardation (3)
Topics related to field experiences

335 Teaching Exceptional Children (2)
Overview of exceptional children, emphasis on methods and materials for integrating students into regular classrooms. Not open to special education majors. PREQ Admission to the teacher education program or permission of department head.

345 Adaptations and Modifications for Young Children with Disabilities (3)
Methods and materials for supporting young children with disabilities in their naturally occurring environments. PREQ 240. 2 Lecture, 3 Lab.

366 Infant Curriculum (3)
Scope and sequence of developmental curricula in all areas of infant development and learning, methods of providing individual and group intervention through a variety of formats. 2 Lecture, 3 Lab. PREQ CDFR 360.

389 Cooperative Education in Special Education (1 or 3, R15)
See Cooperative Education Program.

401 Introduction to Learning Disabilities (3)
Historical concepts and theories of learning disabilities, educational characteristics of learning-disabled children, overview of remedial programs. PREQ 240.

405 Introduction to Mental Retardation (3)
Multidisciplinary approach to mental retardation, mental performance and functioning related to human development. PREQ 240 or permission of department head.

411 Collaborative Planning (3)
Development, implementation, monitoring, and evaluation of care plans (IFSP and IEP), knowledge of state and federal legislation, agency services and programs affecting young children with disabilities and their families.

412 Interagency Practicum (3)
Professional roles and functions of early childhood teams, transdisciplinary team process, structures of interagency collaboration, service coordination, and transition. PREQ 240, admission to teacher education or permission of instructor. 2 Lecture, 3 Lab.

413 Teaching Adolescents with Learning Problems (3)
Survey and evaluation of curricular models, diagnosis, developing instructional strategies, establishing goals and objectives. PREQ 312, admission to professional-education sequence, senior status.

417 Managing Classrooms for Exceptional Children (3)
Principles and techniques of classroom and behavior management. PREQ 240 and admission to the teacher education program.

432 The Physically Handicapped Child (3)
Social, psychological, and medical problems of children with physical disabilities.

450 Individual Educational Plans for Students with Disabilities (3)
Development of Individual Educational Plans (IEPs), formal and informal assessment and instructional planning, study of federal and state regulations. PREQ 240 and admission to the professional education sequence.

467 Home-Based Intervention (3)
Methods and materials for providing home-based intervention, working collaboratively with families and other service providers to promote effective service delivery. PREQ SPED 240, CDFR 363, or permission of instructor. 2 Lecture, 3 Lab.
470 (BK, EDEL) Early Childhood Curriculum (3)
Materials, environments, and interactions for two- to five-year olds in all curricular areas, including thinking and social problem-solving for children with and without disabilities 2 Lecture, 3 Lab

483 (BK, EDEL) Internship (4, R16)
Observing, planning, teaching, and evaluating young children with and without disabilities in a variety of settings COREQ BK/EDEL/SPED 496 5 days/week, full-time

484 Special Education Internship I (1-3)
Three hours per credit hour PREQ Written application, permission of instructor and adviser 3-9 hours field experience

485 Field Experience in Teaching (3, R6)
Supervised experience for a second teaching certificate or for an initial certification for individuals who are employed as full-time teachers 9 hours per week

486 Practicum in Mental Retardation (1-3)
3 hours per credit hour PREQ Written application, permission of instructor and adviser

487 Practicum in Learning Disabilities (1-3)
3 hours per credit hour PREQ Written application, permission of instructor and adviser

490 Supervised Student Teaching (9)
A full-time teaching experience COREQ 495

495 Special Education Seminar (3)
Working with parents, teachers, students, and others in a helping consultative relationship, skills for effective participation on interdisciplinary teams PREQ 240 and admission to the teacher education program COREQ 490

496 (BK, EDEL) Internship Seminar (1, R4)
The interrelationships of theory and practice in the context of experience COREQ BK 483

Graduate Courses
501 Introduction to Learning Disabilities (3)
502 Current Issues in Special Education (3)
504 Educational Programs for Students with Behavioral Disorders (3)
505 Teaching Students with Learning Disabilities (3)
528 Programs and Services for Individuals with Severe/Profound Disabilities (3)
529 Educational Programs for Students with Mental Retardation (3)
530 Teaching Individuals with Moderate to Severe Disabilities (3)
531 The Physically Handicapped Child (3)
532 Methods for Teaching Students with Severe/Profound Disabilities (3)
533 Collaboration with Families and Professionals (3)
555 Creating Positive Classrooms for Students with Disabilities (3)
566 Approaches and Practices for Teaching Students with Disabilities (3)
567 Reading, Writing, and Mathematics Curriculum for Students with Disabilities (3)
593 Topics in Special Education (1-3, R6)
600 Creative Thinking and Problem Solving (3)
603 Administration of Special Education Programs (3)
620 Education in a Diverse Society (3)
630 Teaching Students with Mild to Moderate Mental Retardation (3)
631 Appraisal of Exceptional Children (3)
681 Seminar in Learning Disabilities (3)
682 Research in Special Education (3)
684 Teaching Students with Behavioral Disorders (3)
687 Practicum in Special Education (1-3, R9)
688 Practicum in Special Education (1-3, R3)
779 Continuing Research—Non-Thesis Option (1, R10)
Sport Management (SM)

213 (PE 213) Introduction to Athletic Training (3)
Prevention of injuries, bandaging, and the treatment of basic injuries in varsity athletics

260 Introduction to Sport Management (3)
Career opportunities, competencies, and management skills, overview of management functions and ethics, history of sport management

313 (PE 313) Psychological Aspects of Sport (3)
The psychological aspects of sport and coaching methods PREQ 260, junior standing

315 Introduction to Intramurals and Recreational Sport Management (3)
Organization, administration, history, and theoretical concepts of intramurals and recreational sport management in the public school, college, and military settings
PREQ Junior standing or permission of instructor

330 (PRM 330) Aquatic Recreation Management (3)
Organization, programming, facility design, and maintenance in various aquatic recreational environments Course may lead to Certified Pool Operator certification

380 Independent Study (1-3, R3)
A topic in sport management agreed upon by student and instructor PREQ ENGL 102, permission of department head

383 Apprenticeship (1, R3)
Apprenticeship to develop necessary skills before entering the required internship
PREQ Permission of department head 3 Lab

389 Cooperative Education in Sport Management (1 or 3, R15)
PREQ Permission of instructor See Cooperative Education Program

413 Athletic Injury Assessment (3)
A concentrated study on athletic injury assessment and rehabilitation PREQ PE 213

415 Legal Issues for the Sport Practitioner (3)
Study of legal issues related to sport delivery systems, physical education, and recreation settings Legal terminology, risk management, case law, and current issues are analyzed PREQ Senior standing or permission of instructor, SM 260 for SM majors

423 (SOC 423) Sociology of Sport (3)
Social issues in sport examined from historical, cross-cultural, and sociological perspectives with attention to impact of race, gender, and social class on participation
PREQ Junior standing, SM 260 for SM majors

435 Event and Facility Management and Marketing (3)
Study of current trends and the management and marketing of sporting events and sport facilities Basic terminology and building designs of sport facilities are also discussed
PREQ Junior standing

445 Sport Administration (3)
Current issues in sport administration

460 Financial Aspects of Sport (3)
Financial considerations important to sport, budgeting, fundraising, and economic impact of sport events, historical aspects PREQ SM 260 for SM majors only, ACCT 161 or 251, MKT 301, ECON 231, and junior standing
461 Sport Marketing (3)
Historical study of sport marketing, techniques in developing sport sponsorship proposals and effective sport promotions, sport marketing applications  
PREQ SM 260 for sport management majors, junior standing, MKT 301

484 Internship in Sport Management (6, 6)
Experiences relating theory to practice in a specific area of sport management  
PREQ Permission of program coordinator or completion of all required coursework in the major, 2 3 cumulative grade point average, “C” or better in all SM prefix courses

495 Sport Management Seminar (2)
Analysis of management, organizational structure, and strategic planning in sport organizations, current issues in sport management  
PREQ SM major, SM 260, senior standing

Telecommunications Engineering Technology (TEL)

312 Electronic Communication Fundamentals (4)
Fundamental principles of communications theory including spectrum analysis, noise, and modulation techniques  
PREQ ECET 242 and MATH 153  3 Lecture, 2 Lab/week

345 Introduction to Local Area Networks (4)
Study of local area network architectures, protocols, and operating systems with emphasis on the first three levels of the OSI model  
PREQ ECET 290 or permission of instructor  3 Lecture, 2 Lab/week

346 Wide Area Networks (4)
Study of transmission equipment, switching technologies, interconnection, and protocols associated with the telecommunications industry  
PREQ 345  3 Lecture, 2 Lab/week

444 Wireless Systems (4)
Application of communication theory, digital signal processing, and digital modulation to wireless systems  
PREQ 312 or equivalent  3 Lecture, 2 Lab/week

445 Network Planning and Design I (3)
An engineering approach to establishing telecommunications networks locally and globally  
Communications network simulation is introduced and used to design networks  
PREQ 346  2 Lecture, 2 Lab/week

446 Telecommunications Management (3)
A study of the technical and management issues associated with the administration of complex, highly integrated networks  
A variety of hardware and software tools will be discussed  
PREQ 346  2 Lecture, 2 Lab/week

447 Network Planning and Design II (3)
Continuation of TEL 445, Network Planning and Design I, with concentration on advanced network design  
PREQ 445  2 Lecture, 2 Lab/week

480 Problems in Telecommunications (1-3, R6)
Independent study in telecommunications engineering technology project required  
PREQ Permission of adviser and instructor
493 Special Topics (1-3, R6)
Current topics in telecommunications  PREQ  Permission of instructor

495 Seminar on Telecommunications (3)
Study of current issues in the telecommunications industry, to include legislative acts, business trends, and emerging technology  PREQ  Senior standing

University Studies-Interdisciplinary (USI)

101 Honors Forum (1)
Interdisciplinary introduction to the academic milieu—scholarly controversy, the ferment of ideas, study, and research

130 The University Experience (1)
Introduction to the university and to higher education  Discussion of issues involved in the transition from high school to college  Emphasis on academic and career planning and personal development

393 Topics in International Studies I (3, R6)
Interdisciplinary introduction to the civilization and culture of a particular country or region and its relationship with the United States

394 Topics in Cherokee Studies (3, R9)
Selected individual or interdisciplinary aspects of Cherokee culture and society offered by various departments

395 Topics in International Studies II (1-3, R4)
Interdisciplinary study of the civilization, environment, and culture of a country or region and its relationships with the United States and the world community

396 Honors Colloquium (3, R6)
Interdisciplinary discussion of a topic of special concern selected in consultation with honors students  PREQ  Junior standing, 3.0 GPA

497 Honors Seminar (3, R6)
Interdisciplinary seminar featuring student research directed toward a topic selected in consultation with honors students  PREQ  Junior standing with 3.0 GPA

Graduate Courses
693 Topics in Graduate Education (1-3, R6)
History of The University of North Carolina

In North Carolina, all the public educational institutions that grant baccalaureate degrees are part of The University of North Carolina. Western Carolina University is one of the sixteen constituent institutions of the multi-campus state university.

The University of North Carolina, chartered by the North Carolina General Assembly in 1789, was the first public university in the United States to open its doors and the only one to graduate students in the eighteenth century. The first class was admitted in Chapel Hill in 1795. For the next 136 years, the only campus of The University of North Carolina was at Chapel Hill.

In 1877, the North Carolina General Assembly began sponsoring additional institutions of higher education, diverse in origin and purpose. Five were historically black institutions, and another was founded to educate American Indians. Several were created to prepare teachers for the public schools. Others had a technological emphasis. One is a training school for performing artists.

In 1931, the North Carolina General Assembly redefined The University of North Carolina to include three state-supported institutions—the campus at Chapel Hill (now the University of North Carolina at Chapel Hill), North Carolina State College (now North Carolina State University at Raleigh), and Woman's College (now the University of North Carolina at Greensboro). The new multi-campus university operated with one board of trustees and one president. By 1969, three additional campuses had joined the university through legislative action—the University of North Carolina at Charlotte, the University of North Carolina at Asheville, and the University of North Carolina at Wilmington.

In 1971, the North Carolina General Assembly passed legislation bringing into The University of North Carolina the state's ten remaining public senior institutions, each of which had until then been legally separate—Appalachian State University, East Carolina University, Elizabeth City State University, Fayetteville State University, North Carolina Agricultural and Technical State University, North Carolina Central University, the North Carolina School of the Arts, Pembroke State University, Western Carolina University, and Winston-Salem State University. This action created the current sixteen-campus university. In 1985, the North Carolina School of Science and Mathematics, a residential high school for gifted students, was declared an affiliated school of the university, and in 1996, Pembroke State University was renamed The University of North Carolina at Pembroke through legislative action.

The UNC Board of Governors is the policy-making body legally charged with "the general determination, control, supervision, management, and governance of all affairs of the constituent institutions." It elects the president, who administers the university. The thirty-two voting members of the Board of Governors are elected by the North Carolina General Assembly for four-year terms. Former board chairmen and board members who are former governors of North Carolina may continue to serve for limited periods as non-voting members emeriti. The president of the UNC Association of Student Governments, or that student's designee, is also a non-voting member.

Each of the sixteen constituent institutions is headed by a chancellor, who is chosen by the Board of Governors on the president's nomination and is responsible to the president. Each institution has a board of trustees, consisting of eight members elected by the Board of Governors, four appointed by the governor, and the president of the student body, who serves ex officio. The North Carolina School of the Arts has two additional ex officio members. Each board of trustees holds extensive powers over academic and other operations of its institution on delegation from the Board of Governors.

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WESTERN CAROLINA UNIVERSITY

Western Carolina University was founded in August 1889 as a semi-public school. Chartered as Cullowhee High School in 1891, it served the Cullowhee community and boarding students from neighboring counties and other states.

For Professor Robert Lee Madison, the institution’s founder, the aim of the school was teacher training. In 1893, with the first state appropriation of $1,500, a normal department was established. In 1905, the institution became Cullowhee Normal and Industrial School, a title it held for twenty years.

Beginning about 1912, the status of the school was gradually raised to that of a two-year normal school or junior college. With state support increasing and work at the secondary level discontinued, the name of the school was changed in 1925 to Cullowhee State Normal School.

In 1929, under a new charter authorizing the school to extend its work to the four-year level, the name Western Carolina Teachers College was adopted. Modifications in function and rapid growth climaxed in 1951 with the addition of the postgraduate year to the curriculum, and the granting of the Master of Arts in Education degree was authorized. Demands in the liberal arts, and for programs in other areas of learning, led to an expansion of its offerings and to a further change, in 1953, to the name Western Carolina College.

In 1967, the institution was designated a regional university by the North Carolina General Assembly and the name of the institution was changed to Western Carolina University.

In 1971, the state legislature reorganized higher education in North Carolina, and on July 1, 1972, Western Carolina University became a constituent institution of The University of North Carolina.

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John R Ritchie, Ph D Director, Counseling Center
Michael Creason, M A Ed Director, Intramural Sports
Karen D Oldham, M S Director, Fitness Center
Todd Murdock, M A Ed Director, Talent Search
Ronald Huff, M S Upward Bound/Math/Science
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FACULTY
2003-2004

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Chancellor, Professor of Sociology B A ,
University of Cincinnati, 1970, M A , Ohio
University, 1971, Ohio State University,
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Professor of Project Management B S ,
University of New Hampshire, 1959, M S ,
Florida State University, 1969, Ph D , Syra-
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Assistant Professor of Biology A S ,
Gadsden State Community College, 1986,
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B S Ed , Indiana State University, 1991,
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* Member of the Graduate Faculty
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Associate Professor of Business Computer Information Systems B S, St Xavier's College, 1968, M S, Patna University, India, 1971, M B A, Ph D, University of Arkansas, 1987, 1992 Date of appointment, 1996

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Associate Professor of Natural Resources Management B S, University of Montana, 1977, M S, Montana State University, 1981, Ph D, University of Minnesota, 1990 Date of appointment, 1993

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Assistant Professor of Physical Therapy M A, Columbia University, 1978, PT, NC Board of Physical Therapy Licensure, 1989 Date of appointment, 2000

Mary Kay Bauer, D M A
Associate Professor of Music B M, Catholic University, 1980, M M, Northwestern University, 1983, D M A, University of Minnesota, 1989 Date of appointment, 1988

Richard Squares Beam, Ph D
Associate Professor of Theatre Arts B A, M A, Indiana University, 1966, 1969, Ph D, University of Georgia, 1984 Date of appointment, 1971

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Director, Marching Band, Instructor of Music  B S Ed , Western Carolina University, 1967 Date of appointment, 1991

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Acting Department Head, Department of Modern Foreign Languages, Associate Professor of Spanish BA, M A, Michigan State University, 1986, 1988, Ph D., Duke University, 1995 Date of appointment, 1996

Philip E Coyle, Ph.D.
Assistant Professor of Anthropology and Sociology BA, San Francisco State University, 1987, Ph D., University of Arizona, 1997 Date of appointment, 1998

Michael David Creason, M A Ed
Intramurals Director, Assistant Professor of Physical Education BS Ed., M A Ed., Western Carolina University, 1972, 1974 Date of appointment, 1974

Laura Ford Cruz, Ph D
Assistant Professor of History BA, Virginia Commonwealth University, 1990, M A, Purdue University, 1994, Ph D., University of California at Berkeley, 2001 Date of appointment, 2002

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Associate Professor of Engineering Technology BS, M S., Bemidji State University, 1969, 1975 Date of appointment, 1977

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Professor of Criminal Justice BA, West Georgia College, 1969, M Ed., University of Georgia, 1973, Ph D., University of Southern Mississippi, 1980 Date of appointment, 1984

Eliza Labouisse Dean, Ph D
Assistant Professor of Birth-Kindergarten, Elementary and Middle Grades Education BA, Cornell University, 1988, M S, Ph D., University of Tennessee, Knoxville, 1992, 2000 Date of appointment, 2002

Annette Debo, Ph D
Assistant Professor of English BA, M A, Virginia Polytechnic Institute and State University, 1986, 1990, Ph D., University of Maryland College Park, 1998 Date of appointment, 2001

James B DeConinck, Ph D
Associate Professor of Marketing and Business Law BA, University of Missouri, 1981, M A, Central Missouri State University, 1984, Ph D., University of Arkansas, 1988 Date of appointment, 2002

Mary Diane Deck, Ph D
Professor of Counseling/Human Services BA, Appalachian State University, 1960, B S., Rochester Institute of Technology, 1966, M S, Western Michigan University, 1970, Ed D., Utah State University, 1982 Date of appointment, 1989

George W DeSan, Ed D

Sloan E Despeaux, Ph D
Assistant Professor of Mathematics and Computer Science BA, Francis Marion University, 1995, M S., Florida State University, 1997, Ph D., University of Virginia, 2002 Date of appointment, 2002

James Ralph DeVane, Ed D
Associate Professor of Mathematics BS, Troy State University, 1960, M A., University of Mississippi, 1965, Ed D., University of Georgia, 1971 Date of appointment, 1971
Janet C Dickinson, Ph D  
Assistant Professor of Social Work  B S ,  
University of Pennsylvania, 1969, M S W ,  
University of South Carolina, 1972, Ph D ,  
Columbia University, 1997  Date of appointment, 2000

*James Michael Dolan, Ph D  
Associate Professor of Mathematics  B A ,  
Christian Brothers College, 1959, M A ,  
Ph D , University of Tennessee, 1962, 1967  
Date of appointment, 1973

*Sharon F Dole, Ph D  
Assistant Professor of Special Education/  
Human Services  B A , Barry University,  
1965, M A , Louisiana State University,  
1980, Ed S , Georgia Southern University,  
1995, Ph D , University of Georgia, 1999  
Date of appointment, 1999

Jeanne E Dorle, J D  
Assistant Professor of Management and Interna-  
tional Business  B S , M A , Ph D ,  
University of Minnesota, 1968, 1968, 1977,  
J D , William Mitchell College of Law, 1988  
Date of appointment, 2002

*David Dorondo, D Phil  
Associate Professor of History  B A , Armstrong State College, 1980, M A , University of South Carolina, 1984, D Phil , University of Oxford, 1988  
Date of appointment, 1987

Lorna Bitgood Dorr, M S  
Assistant Professor, Hunter Library  B A ,  
Alfred University, 1963, M L S , University of South Carolina, 1985, M S , Western Carolina University, 1993  
Date of appointment, 1986

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Dean, College of Education and Allied Professions and Professor of Counseling/Human Services  B A , M A , University of Notre Dame, 1968, 1971, M A T , Oakland University, 1970, Ph D , Indiana State University, 1974  
Date of appointment, 1976

Bernard J Dougherty, M A  
Assistant Professor of Criminal Justice Professional Security/Law Enforcement Training,  B B A , Manhattan College, 1968, M A , Salve Regina University, 1998  
Date of appointment, 2001

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Associate Professor of Communication Disorders/Human Services  B S , M S , University of Minnesota, 1966, 1982, Ph D , Northwestern University, 1996  
Date of appointment, 1999

Jeanne R Dulworth, M S W  
Assistant Professor of Social Work  B S W ,  
Western Carolina University, 1996, M S W , University of South Carolina, 1998  
Date of appointment, 2001

Bobbye J Dunlap, D B A  
Date of appointment, 1987

Duane D Dunlap, Ph D  
Department Head and Professor of Engineering Technology  B S , Ohio State University, 1982, M S , Louisiana State University, 1985, Ph D , Virginia Tech, 1990  
Date of appointment, 2001

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Assistant Professor of Physical Therapy  A A , Dayton Beach Junior College, 1964, B S , University of Florida, 1966, M I E , Clemson University, 1988  
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BA, University of Wyoming, MFA, University of Alaska-Fairbanks, 1996
Date of appointment, 2001

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BA, Philadelphia College of Art, 1966, MFA, Indiana University, 1969
Date of appointment, 1985

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Assistant Professor of Anthropology and Sociology
BA, University of North Carolina at Charlotte, 1994, PhD, University of Georgia, 2002
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BA, Brown University, 1952, MBA, University of Michigan, 1957
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BA, Massachusetts College of Art, 1978, MFA, Yale University, 1980
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BS, Wheaton College, 1980, MA, Episcopal Divinity School, 1986, PhD, Northwestern University, 1997
Date of appointment, 2002

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BS, MPA, Georgia College, 1991, 1994, MS, Georgia Southern University, 1992, PhD, Florida State University, 1998
Date of appointment, 1999

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Date of appointment, 1999

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BS Ed, Framingham State College, 1971, MS, The Ohio State University, 1975, MBA, Bowling Green State University, 1980
Date of appointment, 1983

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BA, University of Michigan, 1971, MA, Eastern Michigan University, 1977, PhD, University of Tennessee, 1988
Date of appointment, 1993

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Department Head and Associate Professor of Philosophy and Religion
BS, Oakland City College, 1973, BA, Calvin College, 1976, MA, PhD, Vanderbilt University, 1988, 1991
Date of appointment, 1992

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BS, Western Carolina University, 1967, MS, PhD, University of Tennessee, 1968, 1983
Date of appointment, 1983

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Department Head and Assistant Professor of Nursing
A DN, Asheville-Buncombe Technical Community College, 1978, BSN, Western Carolina University, 1983, MS, Clemson University, 1989, PhD, University of South Carolina, 2000
Date of appointment, 1991

Marvin Thomas Hatley, PhD
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BA, Honors College, Davidson College, 1974, MA, University of North Carolina, 1977, MFS, Yale University, 1980, PhD, Duke University, 1988
Date of appointment, 2002

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Professor of Criminal Justice
BA, MA, Louisiana State University and A M College, 1973, 1976, PhD, Florida State University, 1982
Date of appointment, 1993

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Date of appointment, 1988

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Professor of Sociology B S, M S, Ph D, Cornell University, 1971, 1973, 1975 Date of appointment, 1985

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Professor of Health Sciences B S, Florida Technological University, 1971, M S, Indiana University, 1974, Ed D, University of South Carolina, 1985 Date of appointment, 1981

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Associate Professor of Business Administration B S, M B A, University of Utah, 1971, 1974, Ph D, Virginia Polytechnic Institute and State University, 1992 Date of appointment, 1990

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