REGULATIONS SUBJECT TO CHANGE

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.

Western Carolina University does not intend to enter into a contractual relationship with any student or other person through the issuance of The Record and does not intend to create any cause of action against the State of North Carolina, The University of North Carolina, the Board of Governors, the President, Western Carolina University (WCU), WCU's Board of Trustees, WCU's Chancellor, or any other officer, agency, agent, or employee of the state, The University of North Carolina, or WCU.
College Reorganization at Western Carolina University

Effective July 1, 2007 academic departments will be organized into the college structure listed below. Due to the timing of approval and the required lead time for printing, the reorganized structure is not reflected in this catalog. Please see the Proposed 2008-2009 catalog at catalog.wcu.edu for more current information regarding the college, department, and program changes.

**College of Arts & Sciences**
- Anthropology & Sociology
- Biology
- Chemistry & Physics
- Communication
- English
- Geosciences & Natural Resources
- History
- Mathematics & Computer Science
- Modern Foreign Languages
- Political Science and Public Affairs
- Philosophy & Religion Program Affiliated Area

**College of Business**
- Accounting, Finance & Economics
- Business Computer Information Systems & Quantitative Methods
- Business Law, Hospitality & Tourism, & Sport Management
- Center for Entrepreneurship & Innovation
- Management & International Business
- Sales & Marketing

**College of Education & Allied Professions**
- Educational Leadership & Foundations
- Elementary & Middle Grades Education
- Health, Physical Education & Recreation
- Human Services
- Psychology

**College of Fine & Performing Arts**
- School of Art & Design
- School of Music
- Department of Theatre, Dance, Motion Picture & Television Production

**College of Health & Human Sciences**
- School of Health Sciences
- School of Nursing
- Applied Criminology
- Communication Sciences & Disorders
- Physical Therapy
- Social Work

**Kimmel School of Construction Management & Technology**
- Construction Management
- Engineering & Technology
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ACADEMIC CALENDAR

Fall Semester 2007
August 17, Friday Residences Halls Open
August 17, Friday Transfer Session at the University Center
August 18, Saturday Freshman Orientation
August 19, Sunday Freshman Convocation and Valley Ballyhoo
August 20, Monday All Classes Begin (8:00 AM)
September 3, Monday Labor Day Holiday (No classes)
October 11-15, Thursday-Monday Fall Break (No classes)
October 20, Saturday Homecoming
October 22, Monday Advising Begins
October 23, Tuesday Advising Day (No classes or faculty meetings)
October 24, Wednesday Last day to drop with a "W"
November 21-23, Wednesday-Friday Thanksgiving Holiday (No classes)
November 28, Wednesday Last day for medical, legal, mental, administrative withdrawal
December 5, Wednesday Reading Day (No classes)
December 7, Friday Last day of classes
December 8-14, Saturday-Friday Final Exams
December 15, Saturday Commencement
December 17, Monday All grades due by 10:00 AM

Spring 2008
January 11, Friday Residence Halls Open
January 11, Friday Orientation and Registration
January 14, Monday All Classes Begin
January 21, Monday Martin Luther King, Jr Holiday (No classes)
March 3-7, Monday-Friday Spring Break (No classes)
March 19-21, Wednesday-Friday Easter Holiday (No classes)
April 1, Tuesday Advising Day (No classes or faculty meetings)
April 2, Wednesday Last day to drop with a “W”
April 23, Wednesday Last day for medical, legal, mental, administrative withdrawal
May 2, Friday Last day of classes
May 3-9, Saturday-Friday Final Exams
May 10, Saturday Commencement
May 12, Monday All Grades Due by 10:00 AM
Summer 2008

May 12-27, Monday-Tuesday
May 12-July 2, Monday-Wednesday
May 30, Friday
June 2, Monday
June 2-August 1, Monday-Friday
June 2-July 1, Monday-Tuesday
July 1, Tuesday
July 2, Wednesday
July 2-August 1, Wednesday-Friday
July 4, Friday
August 1, Friday

Please Note

Mini-session
Assisted registration for Asheville, Karpen Hall, UNCA (8 00 AM-5 00 PM)
Registration to Cullowhee (8 00 AM-5 00 PM)
Classes begin (8 00 AM)
Summer session (9 weeks)
First summer session
First session final exams
Registration in Cullowhee (8 00 AM-7 00 PM)
Second Session classes begin (8 00 AM)
Second Summer session
Independence Day Holiday
Second Session Final Exams, 9 week Session
Final Exams
Commencement (7 00 PM)
Final Exams will be given during the last meeting of each course
TELEPHONE NUMBERS

Admissions 227-7317
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  
  Kimmel School of Construction Management and Technology 227-7368  
Educational Outreach 227-7397  
Food Services 227-7396  
Fraternities, Sororities, Clubs 227-7206  
General Student Information 227-7234  
International Students 227-7494  
Orientation 227-7087  
Provost Office 227-7495  
Registrar, Student Records, Transcripts 227-7232  
Residential Living 227-7303  
Veterans Affairs 227-7232
THE UNIVERSITY

A member of the University of North Carolina, Western Carolina University offers courses in the arts, sciences, technologies, humanities, and professions. Students can elect degree programs at the bachelor's or master's level or doctoral level study in educational leadership. As a regional institution, it serves the people of North Carolina from its residential campus at Cullowhee and through off-campus instruction in Asheville and other locations.

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 promotes regional economic development through its teaching, research, and service. Western Carolina University seeks to provide an environment in which students, faculty, and staff jointly assume responsibility for learning, where free exchange of ideas, intellectual challenge, and high standards of scholarship prevail.

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 aspires to prepare students to become responsible citizens in a global community. By working both independently and collaboratively, graduates of the University should demonstrate:

- 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, humanities, technologies, 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 674 serves a student body of almost 8,861 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 Tuckasegee 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 Council for Construction Education (candidacy status)
- 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 of Athletic Training Education
- Commission on Accreditation in Physical Therapy Education
- Commission on Collegiate Nursing Education (CCNE)
- Council on Accreditation of the American Association of Nurse Anesthetists
- Council for Accreditation of Counseling and Related Educational Programs
- Council of Applied Masters Programs in Psychology
- 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 Association of School Psychologists
- 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, Inc
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 Continuing Higher Education
- Association of Governing Boards of Universities and Colleges
- Association for Theatre in Higher Education
- College Entrance Examination Board
- Conference of Southern Graduate Schools
- Cooperative Education Association
- Council of Applied Masters Programs in Psychology
- Council of Graduate Schools in the United States
- Institute for International Education, Inc
- International Council for Small Business
- Mathematics Association of America
- National Association of Student Financial Aid Administrators
- National Business Education Association
- National University Continuing Education Association
- North American Association of Summer Sessions
- North Carolina Academy of Science
- North Carolina Association of Colleges and Universities
- North Carolina Bar Association
- North Carolina Political Science Association
- Southeastern Theatre Conference
- Southern Atlantic States Association for Asian and African Studies
- Southern Regional Education Board
- Southern States Communication Association
- Speech Communication Association
- United States Distance Learning Association
- United States Institute for Theatre Technology

**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 entrepreneurship, 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 athletic training, clinical laborator sciences, criminal justice, emergency management, emergency medical care, environmental health, health information administration, hospitality and tourism, nutrition and dietetics, and bachelor of science in nursing

The College of Arts and Sciences Bachelor of arts with majors in anthropology, art, chemistry, English, German, history, interior design, 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 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, German, mathematics, music, social sciences, and Spanish

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

The Honors College. Western Carolina University's Honors College was the first 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

Kimmel School of Construction Management and Technology. Bachelor of science with majors in construction management, electrical and computer engineering technology, electrical engineering, and engineering technology and telecommunications engineering technology

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 a broad range of instruction at the graduate level and a limited number of advanced undergraduate degree programs in specialized areas in Asheville. 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 and Asheville-Buncombe Technical Community College. Western's graduate programs are affiliated with the Asheville Graduate Center.

The graduate programs offered in Asheville include accountancy (MAc), business administration (MBA), college student personnel (MED), comprehensive education with concentrations in elementary education (MAEd), English education (MAEd, MAT), math education (MAEd, MAT), middle grades education (MAEd, MAT), social science education (MAEd, MAT), community counseling (MS), educational administration in two-year college (MAEd), educational leadership (EdS, EdD), educational supervision (MAEd), health sciences (MHS), nursing (MSN), public affairs (MPA), 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 enroll in some coursework offered only in Cullowhee.

Through inter-institutional agreements with the University of North Carolina at Asheville and North Carolina community colleges, 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 would complete the first two years of liberal studies and science prerequisites at a local institution, the junior year of study on the Cullowhee campus, and the senior year of study in Asheville. Registered nurses who are graduates of an associate degree or diploma program can complete all remaining requirements for the bachelor's degree online. Also, through an inter-institutional partnership with Asheville-Buncombe Technical Community College, most of the course requirements for a bachelor of science degree in birth-kindergarten and engineering technology are offered. Upper-level course work in special education is also available in Asheville.

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 WCUs Programs in Asheville, 120 Karpen Hall, CPO #2160, UNCA, Asheville, North Carolina 28804-3299, telephone # 828-251-6642 or 828-227-7423, http://www.wcu.edu/wcusheville/

Western Carolina University Department of Nursing is located on the Enka campus of Asheville-Buncombe Technical Community College, 1459 Sand Hill Rd, Candler, NC 28715, telephone # 828-670-8810.

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

The Hunter Library considers providing high quality service to students and faculty as its primary mission. Librarians provide both individualized research assistance and classroom instruction. The library is open more than 110 hours per week during the semester.
The collections and services that support student and faculty research include

- **Main book collection** consisting of over 679,000 books and bound periodicals. This is augmented by the cooperative agreement with UNC Asheville and Appalachian State University through the use of a shared online catalog and delivery service. Students can readily borrow items from these other libraries and generally receive them in 2 days or less. The combined collection is approximately 1 million volumes.

- **95+ electronic databases** and 8,000+ electronic journals that can be accessed remotely.

- **Free document delivery service** that provides access to articles from approximately 25,000 journal titles that can be accessed remotely.

- **Electronic reserves collection** that can be accessed remotely.

- **1,200 print journal subscriptions**.

- **Free interlibrary loan service** for all students and faculty.

- **Microfiche collection** of 1.5 million pieces.

- **Government documents** providing access to over 227,000 government documents representing both the Federal government and the North Carolina government.

- **Special Collections** containing 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 122,000 sheet maps and an extensive collection of digital mapping data with Geographic Information Systems (GIS) technology to support it.

- **Media Collection**, an extensive collection of CDs, videotapes, DVDs and other media in its Curriculum Materials Center (CMC).

- **Curriculum Materials** also 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.

### 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/teachingandlearning/graduateassist/index.html](http://facctr.wcu.edu/teachingandlearning/graduateassist/index.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.
The GATE Program, (Graduate Assistant Teaching Experience), a program designed to enhance the graduate experience by providing a thoughtful and thorough preparation in the art of teaching

- computer classroom orientation and training
- Schedule [http://facctr.wcu.edu/learningops.html] of semester presentations and workshops
- Videotaping of classes upon request
- Training in the use of WebCT to enhance classroom courses
- Faculty Forum [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 (Center for Regional Development) is a university research and public service center that drives regional economic development, conducts public policy analysis and applied research, and administers public service projects on economic and community capacity building, government training, natural resource conservation and strategic development.

The CRD is multidisciplinary with faculty, students and staff from various academic departments and the private sector including industry affiliates (who are sent by their corporate sponsors to work with us from a week to a year, depending on the nature of the agreement and the intended outcome).

The economic development mission of the CRD is to attract, identify, qualify and assist regional businesses and to leverage the university’s extensive resources of research, science, engineering, arts and humanities faculty and students, as well as the core staff of the center (analysts, planners and faculty fellows) for business growth, including the transfer and application of new technologies and the commercialization of the creative arts.

The CRD also has responsibility for developing the strategy and implementation plans for Western’s Millennial Campus Initiative, a state legislative mandate which allows rural comprehensive universities to take several critical actions to support economic development, including

- Acquiring property to promote business development
- Developing flexible site arrangements to achieve specific economic development objectives
- Providing services to businesses to promote their location or development
- Issuing revenue bonds (with Board of Governors approval) to support business development
- Engaging in public/private partnerships, developing joint use facilities, and cooperating with enterprises to promote economic development
- Incubating businesses
To fulfill its mission and generate new initiatives the CRD partners with federal, state, and regional organizations and the private sector. Current partners include the United States Department of Commerce, Smoky Mountain Host, the School of Government at UNC-Chapel Hill, and Advantage West Regional Economic Development Commission.

**International Programs and Services** The Office of International Programs and Services (IPS) coordinates and supports many types of international programs and activities, 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 exchange program, K-12 International Outreach Program to the public schools, Phi Beta Delta Honor Society for International Scholars, the Asian language program, international university linkages, International Education Week activities, International Festival, Diversity Week, and International Women's Day. IPS provides services to international students on campus including visa issuance and counseling, student services, Host Family Association, and International Club. IPS is also the center for student F-1 and J-1 visas, Visiting Scholar Visas as well as international faculty H-1B visas and Permanent Residence. More information is available at (828) 227-7494.

**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.** The Reading Center in the College of Education and Allied Professions offers assessment and individual tutoring as well as reading improvement courses for all students of Western Carolina University. Also, in conjunction with academic programs for the preparation of birth-kindergarten, elementary, middle grade, special education and reading teachers, the Reading Center provides an enrichment program for school-age children. This program offers assessment of reading strategies and several weeks of one-to-one tutoring for children enrolled. The Center also provides a resource room which includes, children's 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 138 of the Killian Building on the campus in Cullowhee.

**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:

- hearing aid evaluation and dispensing
- 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 focused on southern Appalachian ecosystems and organisms. Since 1977 the Station has been an Inter-institutional Center of the University of North Carolina. Thirty-three regional colleges and universities participate in the Station’s programs as member institutions.

The station is located on the Blue Ridge Escarpment about 30 miles south of Cullowhee in the town of Highlands, North Carolina. The topography, latitude, and high rainfall of the area yields rich biotic and environmental diversity, making the Station an ideal locale for a variety of field studies. Its facilities are open to students and senior investigators engaged in research on the organisms and environments of the southern Appalachian region. Station facilities include housing (36 beds in several residences), a dining hall, well-equipped research space, and teaching classrooms and laboratories. The campus also includes the Highlands Nature Center, which offers educational exhibits and a diversity of public programs, and the Highlands Botanical Garden, which features a great many native plant species in a variety of southern Appalachian habitats.

The Station offers six courses each summer at the advanced undergraduate and graduate levels. Limited financial aid is available for these courses. A grant-in-aid program also provides financial assistance to graduate students conducting thesis research on the biota of the region. Since 2001 the Station has hosted a fall semester-in-residence undergraduate program in cooperation with the Carolina Environmental Program at UNC-Chapel Hill. WCU students majoring in biology or environmental sciences are encouraged to apply to this unique program.

To learn more about the programs, courses, and research opportunities at the Highlands Biological Station, see our website (http://www.wcu.edu/hbs) or write to Dr. James T. Costa, Executive Director, Highlands Biological Station, 265 N. Sixth Street, Highlands, NC 28741.

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 eleven 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 for Rural Education in the College of Education and Allied Professions helps rural elementary, middle, 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 college access programming.
Information Technology

Information Technology is responsible for providing technology assistance, information and services in support of Western's mission and aspirations. These services include providing information resources to students, faculty, staff and administration to support teaching, learning, research, administrative and regional engagement efforts. Information Technology provides advice, planning and technical guidance for the appropriate use of technology in support of the university's educational endeavor. Information Technology is located in various campus buildings with assistance available at many of Western's facilities beyond the Cullowhee campus. The university is an active member of EDUCAUSE, a nonprofit association whose mission is to advance higher education by promoting the intelligent use of information technology.

Information Technology has over 60 staff and is comprised of the following units: Applications Programming, Educational Technologies, Information Technology Services, Networking and Communications, Systems and Operations, Technology Service Center and Web Services. The University uses a state-of-the-art administrative system that allows students and faculty to do virtually all of their business with the university, such as register for courses or post grades, online. All students receive a WCU email account that allows them to communicate with their peers, faculty members, and university offices. The My Cat portal is the primary tool used by students to access email and other campus and course related information. WebCat, based upon the WebCT Vista software, is the primary instructional delivery system in support of traditional classroom and online courses.

There are over 3,000 microcomputers in offices, classrooms, and lab facilities all with connections to high speed broadband networks. Students enjoy high-speed network connectivity from their residence hall rooms, with two ports per room, or from the wireless network available throughout the Cullowhee campus. There are four general student computer 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. Users may call the Information Technology Help Desk at 227-7ITS (227-7487) or 866-WCU-7ITS (866-928-7487) to request assistance with any Information Technology service or resource. Faculty routinely work with the Coulter Faculty Center to integrate technology into their teaching activities.

Information Technology supports both Windows and Macintosh operating systems along with various software applications including a focus on Microsoft Office products. Office products are provided for faculty, staff and students along with the Windows operating system. Many software packages are centrally licensed with a limited number of licenses available in labs and classrooms. Statistical packages include SPSS, Minitab for Windows and SAS which is provided by a grant by the SAS Institute. Other specialized software found in labs include digital media editing, geographical information system, and engineering design programs. Information Technology also provides computer virus protection software to all faculty, staff and students and is committed to keeping computers safe, secure and current in a highly networked campus computing environment.

The campus network interconnects with the North Carolina Research and Education Network (NCREN), which provides Western access to interactive videoconferencing as well as a very high-speed network path to the Internet (655-megabit) IT's Web Services unit supports the WCU Web site at http://www.wcu.edu and provides the campus with Web publishing assistance by providing departmental access to the Red Dot Content Management System. The Information Technology Web site at http://www.wcu.edu/IT provides a variety of useful technology information and self-help resources as well as links for downloading software and accessing computer purchasing information.

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.
Educational Outreach

Through the Division of Educational Outreach, 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 Sessions 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 online in early January, http://edoutreach.wcu.edu.

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 Division of Educational Outreach collaborates with the academic colleges, Information Technology, university student service units, community colleges and businesses to provide programs to distance learners. Distance learning extends the boundaries of the university by using a variety of telecommunications technologies such as videoconferencing, computer conferencing, web-enhancement, and online delivery of courses. There are occasions when students may meet in a regular classroom setting or on Saturdays for clinical activities at distant sites. Distance learners may be required to attend an orientation on the campus of Western Carolina University or at an outreach site.

Summer Travel Courses The Division of Educational Outreach supports summer travel programs offered through a variety of academic units on campus. These faculty-led programs offer a wide range of learning and research opportunities world-wide. Programs are open to learners through out the region and state. Program listings may be found on the Division website at http://edoutreach.wcu.edu.

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 Educational Outreach.

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 Educational Outreach.
Ramsey Regional Activity Center

The largest multi-purpose facility west of Charlotte, with a seating capacity of 8,000, the Liston B Ramsey Regional Activity Center is host to a wide variety of programs and activities. 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. Notable performers and speakers have included Aerosmith, Tim McGraw, Ludacris, Bon Jovi, U.S. Sen Bob Dole, Danny Glover and Nobel Peace Prize-winner Lech Walesa, in addition to numerous other campus programs.

The RAC is home to Western’s athletics offices, and is the home court for Catamount basketball and volleyball teams. The staff of the Ramsey Center provides leadership for the annual CulloWHEE! ArtsFest series, that consists of a variety of cultural arts events that range from dance and symphony orchestra performances to concerts by nationally known musical entertainers and acclaimed authors. Also available in the building are conference facilities, an in-line hockey rink and five handball courts.

In addition to the different events offered by the Ramsey Center, there are numerous student employment opportunities available for full time and part time students. Students play a big part in the operation of the Ramsey Center and are an integral part of our day to day operations. There are approximately 40 students employed at the Center ranging from stage crew and lighting operators who help with concerts and other productions to Student Managers who are responsible for managing the facility during the evenings and weekends. These job assignments are set up to accommodate the student’s class schedule.

For more information about the Ramsey Center or a current schedule of events, visit us at ramsey.wcu.edu.

Other Offices and Services

Research Administration. Research and Graduate Studies/Research Administration serves as the official source of information about contract and grant possibilities and is the office through which all members of faculty and staff channel their proposals for university approval. The research administration staff assists faculty, staff, and students in the preparation of proposals.

Office of Institutional Research and Planning. The Office of Institutional Research and 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 comprehensive public relations, publications, and institutional marketing programs, including communications, promotions, imaging, and positioning, alumni affairs, government affairs, and 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 Relations, Development, Alumni Affairs, and Regional Affairs, the Catamount Club (athletics fund raising and support) and the Mountain Heritage Center. The division administratively houses the Western Carolina University Foundation, chartered in 1971 to promote University goals and private-sector fund raising.

Office of Alumni Affairs. The Office of Alumni Affairs is responsible for promoting the interests and welfare of Western Carolina University and its alumni while fostering and maintaining mutually beneficial relationships between the University and its alumni constituency.
Office of Athletic Development. The Office of Athletic Development operates under the jurisdiction of the Office of Advancement. Its primary responsibilities include operations of the Catamount Club, solicitation of major gifts for athletics, operation and logistics for several golf tournaments, and operations of the annual auction.

Office of Development. The Office of Development is responsible for private-sector fundraising and comprises Planned Giving, Major Gifts, Loyalty Fund programs, Athletic Fund-Raising, and Special Projects.

Office of Publications. The Office of Publications creates creative, concise communication tools for the purpose of increasing awareness of and appreciation for the University's numerous programs and partnerships.

Office of Public Relations. The Office of Public Relations is responsible for the administration of University programs in public information, marketing, and publications. It is the liaison between University personnel and the news media, including newspapers, radio, and television stations, and 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 public agency funding and legislative priorities, and focuses on local and regional economic development.

Mountain Heritage Center. The center collects, interprets, and disseminates knowledge about the Southern Appalachian region and its people. The center's research and artifact collections promote public awareness of the region's rich natural and cultural heritage using publications, exhibitions, presentations, and demonstrations presented both on campus and throughout Western North Carolina. The center collaborates with public schools and other agencies in preparing programs for educational enrichment and provides a learning experience for University students through internships, work study, and co-op opportunities.

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 with the ultimate goal being the retention of high quality teachers in the classroom. The center has two campuses, one in Cullowhee and one on Ocracoke Island. A center of The University of North Carolina, NCCAT is governed by a board of trustees, and its programs and activities are conducted by a professional staff of faculty and administrators.
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 May, 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 newly admitted students an opportunity to complete CatWalk, a web based program designed to help students prepare for their first semester at WCU. Information from CatWalk will be used to create an initial schedule for the student. Students are strongly encouraged to attend one student orientation. 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 summer orientations.

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 no later than June 1. The deadline for spring semester (January) is December 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 taking maximum advantage of the changes in information and communications technologies. All newly admitted and readmitted degree-seeking undergraduate students are required to have an appropriate, networkable computer.

Required Software Required Software is Office XP Professional suite for Windows or Microsoft Office X suite for Macintosh. The student is responsible for purchasing this software. [CAUTION Microsoft Office Small Business Edition, Student/Teacher Edition,
or Standard Edition, and Microsoft Works do not fulfill this software requirement. Students are required to install and maintain current antivirus software WCU recommends and has available licenses for Symantec Norton Antivirus.

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.

Purchase of Computers. Western Carolina University has designated Gateway and Apple as the primary vendors for the purchase of computers. Students may purchase computers and required software from any vendor. However, machines purchased from our selected vendors through the University-endorsed vendor web sites will be preconfigured for easy connection to the University’s network and will include all required hardware. Gateway configurations available through the University-endorsed Gateway web site also have the required Microsoft Office software preinstalled. Apple configurations available through the University-endorsed Apple web site do not include the required Microsoft Office software, and it must be purchased as a separate item. Please visit the Information Technology Services website at http://its.wcu.edu/students.html for more details on the purchase of computers from our selected vendors through the University-endorsed web sites.

Students Who are Purchasing a Computer. The hardware configurations that are the industry standard in the summer of 2007 will be the recommended configurations. Therefore, students are encouraged not to purchase a computer until summer 2007. Updates to the computer requirement can be found at http://www.poweryourmind.com/compreq.html.

Students Who Already Own a Computer. Most computers running Windows XP or Macintosh computers running system OS 9 or higher should connect to the university’s network with an appropriate network interface card or modem. Network interface cards are available for purchase on campus. A minimum of 256 MB RAM memory is essential, as is a 20 GB hard drive. All computers should have either a CD-R or CD-RW (preferred) drive. Otherwise, as an alternative, the system should have a CD-ROM or DVD drive plus a zip drive. Systems having less than the minimum specifications specified for a newly purchased computer on the admissions website at http://www.poweryourmind.com/compreq.html may not perform satisfactorily.

“Jump Start” Computing Orientation for New Students. All new students (freshmen and new transfers) must attend a computer orientation class that is offered online via WebCT (WCU’s electronic course management system). Electronic student accounts such as university e-mail, MyCat, and WebCT must be activated by taking this course online. This course should take roughly one hour to complete, and is a GRADUATION REQUIREMENT.

Additional Information. If you would like additional information about Western’s computer admission requirement, call the WCU Admissions Office (toll-free) at 1-877-WCU-4YOU or send e-mail to admis@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.

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 Students who elect to take only the ACT must take The Writing Test 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 fifteen units of college preparatory courses in high school

4 units of English
4 units of math including
  2 units of algebra
  1 unit of geometry or advanced math
  1 unit of math beyond algebra II
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
  2 units of one language other than English

**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 into a regular (fall, spring) term. 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, four course units including algebra I, algebra II, and geometry, and 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, in social studies, two course units including one unit in U.S. history, and in foreign language, two units of one language other than English. 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.

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 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, the Advising Center, 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.

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 (828-227-7317) or a local community college.

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 Academic and Admission Appeals Board (referred to as "Board"). The Board'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. International Students are granted regular, provisional, special, non-degree, or guest matriculant admission to Western Carolina University as appropriate in each case. Western Carolina University is authorized under Federal law to enroll non-immigrant students. International students should submit an application form, application processing fee (waived for exchange students), SAT and/or TOEFL test scores and transcripts evaluated by an approved evaluation company if necessary. International applicants from countries where English is not the primary language, must submit a minimum score of 550 (paper-based), 213 (computer-based), or 79 (internet-based) on the Test of English as a Foreign Language (TOEFL). In order to receive a visa, students need to provide a statement of financial responsibility. It is expected that international students will not begin study until the admission process is completed and the student has met all admission conditions.
Since several months may be required to receive and process applications from abroad, international students are urged to submit complete information as early as possible.

Application deadlines for international students are as follows: April 1 for Fall Term and September 1 for Spring Term. Contact International Programs and Services at www.wcu.edu/ips and click on "international students."

**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:

- **Nondegree Students** Persons not seeking degrees, but wish to take courses for personal enrichment or advancement, upon approval, may take up to eighteen semester hours as a non-degree 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 enrollment. Further information is available upon request from the Division of Educational Outreach and Summer Sessions, Graduate School, or Office of Admissions, and in the Summer Session 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.
STUDENT SERVICES

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, offering counseling services and health care, and enhancing the college environment with recreational and leadership activities.

Residential Living

The university's residence halls are an integral part of campus life, offering a variety of experiences that contribute to intellectual, personal, and social development. The residence halls are staffed by Resident Directors and professional staff responsible for both community and personal growth and development.

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

A variety of accommodations are available, however, most rooms are designed for double occupancy. 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 may also bring radios, stereos, and televisions. Cable television is provided in student rooms, as well as designated public areas. Other amenities include vending machines, washers, and dryers. Mail service is provided to all residential students at the mail station located in Hinds University Center. Mailing addresses are assigned by the Department of Residential Living and will be provided when students receive housing assignments. Local telephone service is included in the housing fee. Long distance is not provided, but access can be obtained through the use of a personal calling card.

Room Reservations and Advance Payment

Any new, transfer, readmitted, or graduate student may reserve a room in the residence halls by mailing the advance payment of $100 and a signed Residence Hall Agreement to the University One Stop Student Services Center. Returning students are to submit the signed Agreement with $150 advanced payment. These payments for the fall semester should be submitted no later than June 1. Deadline for submission of the Residence Hall Agreement and advanced payment is December 1. All checks should be made payable to Western Carolina University. Advance payments and Residence Hall Agreements received after the deadline will be accepted on a space-available basis. Financial aid awards may not be used to cover advance payments.

Students may move into the residence halls the weekend prior to August orientation and the beginning of classes. Information on the designated move-in day will be provided with assignment information. Unless the Department of Residential Living is notified of late arrival, reservations expire at 5:00 p.m. on the first day of classes.

Residence Hall Agreement

Each student residing in a residence hall signs a Residence Hall Agreement with the University for the entire academic year, or any part of the year remaining when the student moves into the residence hall. The agreement outlines the responsibilities of the student and the University, and it is a legally binding contract. 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, June, or July) are not required to submit the advance housing payment but must submit the Residence Hall Agreement if they wish to reside on campus. If, however, you are attending the Academic Success Program, on-campus housing is required.

Refund Policy

Students who have paid the advance partial 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 July 1
Housing for Married and Graduate Students  Robertson Hall is available for married students, and consists of thirty-seven efficiency and five one-bedroom apartments  Madison Hall is available for graduate students, and offers forty-one private rooms with private baths and is an air-conditioned, nonsmoking hall

Residence Hall Regulations. The Department of Residential Living, in order to provide a positive environment conducive to individual and community living and learning, has established specific policies and regulations related to personal conduct  These policies are available in the Student Handbook and Guide to Residential Living  In an effort to meet a variety of student desires and needs, each residence hall may have variations of certain policies, including visitation hours and smoking options Please refer to the Student Handbook upon move-in to familiarize yourself with these policies and regulations, as well as student rights and responsibilities

Off-Campus Housing.

The University’s residence halls are an integral part of campus life, offering a variety of experiences which enhance a student’s intellectual, personal, and social development

First year freshman students at WCU are required to live on campus for their initial two full semesters  Attendance during the Mini-mester, Summer School and the Summer Bridge Program do not apply toward the fulfillment of this requirement  A freshman, as pertaining to this requirement, is defined as any incoming student classified by Western Carolina University’s Office of Undergraduate Admissions as a freshman who will not be 21 years of age before February 1 of the initial enrollment year and who is registered for a course load of six credit hours or more  AP College credit or Dual Enrollment credits do not apply toward the fulfillment of this requirement

Transfer students with fewer than 18 hours of credit and falling within the age and course load requirements listed above will not be exempt from this residency requirement  AP College credit or Dual Enrollment credits do not apply toward the fulfillment of this requirement

This requirement may be waived if the student is married or lives with parents or legal guardians in any county contiguous to Jackson County provided he/she completes a Freshman Authorization to Commute form and submits it to the Room Assignments Coordinator in the Department of Residential Living

Students living in residence halls are required to purchase a campus meal plan each semester  The University provides food services at several campus locations

Each student living in a residence hall must sign a Residence Hall Agreement for the entire academic year, or any part of the year remaining when the student moves into the residence hall  Students who breach this agreement will be required to pay room and food charges for any remaining portion of the Residence Hall Agreement  Freshmen who must meet the Residency Requirement but who do not sign a Residence Hall Agreement will be required to pay room and food charges for the two semesters needed to satisfy the Residency Requirement

The Residence Hall Agreement may be cancelled for the following reasons without breach of agreement

- Graduation - A student graduating at the end of the Fall Semester must provide written notice to Residential Living before December 1

- Medical reasons – A physician must certify medical reasons or injury making it necessary for a student to live off campus or withdraw from the university

will be subject to a $50 administrative processing fee  Students who cancel their housing after July 1 will be eligible for a pro-rated refund, but they will be assessed a breach of contract fee
- Marriage — Proof of marriage must be presented to the Department of Residential Living
- Academic or disciplinary dismissal from the university
- Participation in an educational program that requires living off campus
- Official withdrawal from the university

Students who desire waivers or who wish to appeal breaches of the Residence Hall Agreement must submit a written letter outlining their reasons to the Assistant Director for Operations in the Department of Residential Living who will then render a decision based on the information provided. The next level of appeal is to the Director of Residential Living. If a student chooses to appeal that decision, the appeal will then be heard by an Appeals Board. The Residence/Breach Appeals Board will consist of the following: Associate Director for Residence Life (Chair), Resident Assistant Advisory Council Member (Student), representative from the Division of Student Affairs, a Faculty Member, and another student representative. If the student wishes to appeal the decision of the Residence/Breach Appeals Board, that appeal should be directed to the Associate Vice Chancellor of Student Affairs. The decision of the Associate Vice Chancellor of Student Affairs is final and conclusive. The only issue to be considered in any appeal at any level is whether or not the individual’s appeal request fits the criteria listed above.

**Off-Campus Partners**

The Student Affairs Division has entered into an agreement with Off-Campus Partners to list off-campus housing opportunities. OCP provides a site to link potential tenants with potential landlords/property managers. Users are provided with a variety of online services, including but not limited to the capability to search a database of off-campus properties, to post properties for rent or sale, and to post and search messages on message boards. The link to this service is available at [http://www.wcu.edu/offcampus/](http://www.wcu.edu/offcampus/).

**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, and student public relations organization.

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**

The University Center (UC) is the hub of campus activity - the living room of campus. Included in the UC are a variety of programming groups such as Last Minute Productions (LMP), Lectures, Concerts and Exhibitions (LCE), Multicultural Center, Student Government Association (SGA), Women’s Center, and University Center’s staff. Some of the programs sponsored by these groups include movies and film series, comedians, concerts, voter registration, performances on women’s issues, race, and gender, and conferences. In addition, Western Encourages Leadership Enhancement and Development (WE LEAD) provides...
leadership opportunities to enhance student development by sharpening their leadership skills. Conferences, meetings, and presentations are held in the Grand Room, movie theater, and conference room areas. In an effort to meet the needs of our guests, there is a food court located on the first floor. The food court includes Chick-Fil-A, Market Smoothies, Montague’s Deli, and the Western Burger Factory. Adjacent from the food court is Einstein Brothers Bagels, Java City (serves coffee and pastries) is located on the second floor along with Catamount Clothing, Student Mail Center, email stations, copy and fax services, and student lounges. Although Base Camp Cullowhee (BCC) is not located in the University Center, it is a part of the UC and has a vital role in the UC’s mission. Base Camp Cullowhee provides great opportunities for outdoor fun and leadership as well. BCC also offers an excellent outdoor experience and has a great rental program that provides students with equipment for camping, rafting, climbing and other outdoor experiences. Also, a vital part of the UC is the Student Media Center, a historic facility that houses student-run media groups that include radio, newspaper, television and literary magazines.

Recreation facilities, Fitness, and Intramural Sports Recreational facilities on campus allow for a variety of recreational programs. Facilities include Reid gymnasium, Fitness Center, and pool, Breese pool, Ramsey Center racquetball courts, tennis courts, WCU track/tennis complex, and a 9 hole disc golf course. Students have the opportunity to participate in many activities including tennis, volleyball, basketball, swimming, racquetball, soccer, softball, badminton, and table tennis.

Students of Western Carolina University have free access to the Fitness Center. A variety of free weights, selectorized weight machines, treadmills, stair climbers, bikes, and elliptical cross trainers provide options for every fitness level. Additional programs offered by the Fitness center include personal training, fitness assessments, group exercise, and other activities that contribute to health, well-being, and social development.

The Intramural Sports Program at Western Carolina University embraces the mission of “building supportive and inclusive communities” for the university community in Cullowhee. The Intramural Sports Program of Western Carolina University offers a wide variety of recreational activities. Programs include more than forty individual, team, and co-ed activities allowing student an opportunity to participate in sports in a fun and competitive atmosphere. In addition, the Intramural Sports Program has 14 established sport clubs. These clubs are open to all students regardless of skill level. Students are also encouraged to develop new sport clubs.

Athletics The university provides a full program of sixteen 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, women’s softball, 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.

University Health Center The University Health Center (Bird Building) provides assessment and treatment of medical concerns. The center is staffed by physicians, physicians’ assistants, licensed practical nurses, registered nurses, a nutritionist, a wellness coordinator, and a laboratory technician. Additionally, the Health Center administers a student-run ambulance service that allows for on-campus coverage for emergencies. Specialty services offered include comprehensive Women’s Health, Allergy and Immunization Clinic, nutrition consultations and support groups, extensive wellness resources, and limited pharmacy services. The Wellness center provides wellness programs, personal consultations, and is a primary advocate and co-advisor of the student peer educator organization C L A W (Campus Leaders Advocating Wellness). Students’ health fees support many services, some services require a reasonable charge. The University of North Carolina Consortium-sponsored health insurance offers excellent coverage. Health insurance coverage is mandatory. Please visit www.studentinsurance.com to effect a waiver if you already have health insurance coverage (828-227-7640).
MENTAL HEALTH SERVICES

The Counseling and Psychological Services Center. The Center offers most of its counseling services at no cost to students seeking assistance with personal concerns and difficulties. Short-term goal-oriented counseling is provided along with emergency on-call, therapeutic consultations, psychiatric assessments, weekly groups, outreach presentations, and referrals. Appointments can be made by calling 828-227-7469. The center is located on the second floor of Bird Building.

CAREER SERVICES/COOPERATIVE EDUCATION OFFICE

The Career Services/Cooperative Education Office is multi-faceted and student service oriented. We are committed to providing up-to-date services which assist in career/major decision-making, promote career experiences, and job search learning, and then facilitate contact with employers and graduate schools.

Activities/services include the following:

- On campus student employment (http://careers.wcu.edu/nws-jobs.asp)
- 4 on-line, web accessible job listings programs
- Individual conferences with career counselors
- Vocational and interest testing, both on-line and in person
- Cooperative education and internship programs
- Resume and cover letter critiquing service
- An on-line mock interview program
- A career library with a university-wide computer aided career guidance program
- Career events (18)

The Career Services Cooperative Education Office is located on the 2nd Floor Killian Annex. For more information (http://careers.wcu.edu)

OTHER SERVICES AND FACILITIES

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, Killian Annex.

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 1606 and 1607 may enroll in programs approved by the North Carolina State Approving Agency. All inquiries concerning Veterans Affairs (VA) educational benefits should be addressed to the Veteran Affairs Certifying Officer, Office of the Registrar, Killian Annex, Western Carolina University, Cullowhee, North Carolina 28723, telephone 828-227-7216.

International Student Services The International Student Advisor assists international students with their transition to a U.S. university culture in a western North Carolina community by providing and sponsoring orientation programming, visa issuance and counseling, international activities, and community outreach activities. For more information, contact (828) 227-7494.
Student Support Services (www.wcu/cap/sss/sss.html) is a comprehensive academic support program which assists eligible students in choosing and working toward their academic, career, and personal goals with programs tailored to meet individual needs. Services include academic advising, career and personal counseling, mentoring, tutoring, and services for students with disabilities. For those students who qualify, all services are free. To be eligible, participants must meet one of the following criteria: they are first generation college students, OR they meet U.S. Department of Education income guidelines, OR they have a documented disability.

Books and Supplies The Catamount Bookstore offers students a variety of educational materials and supplies. An extensive selection of paperback books is offered for class use and extracurricular reading. All books for graduate students, distance learning and supplemental text 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 Web site at wcu bookstore.wcu.edu.

Clothing and Gifts The Catamount Clothing and Gifts store offers students a variety of clothing, gifts, greeting cards and miscellaneous items. The store is located on the second floor of the UC and for more information, call 828-227-7626 or visit our Web site at wcu bookstore.wcu.edu.

Wellness Center Located within the University Health Center (Bird Building) The Wellness Center provides a variety of educational resources for multi-dimensional health promotion, illness prevention, and promotion of healthy lifestyles. Available multi-media resources include brochures, videos/DVDs, teaching equipment, and face-to-face consultations. The Wellness Center hosts and/or facilitates a number of programs and events that involve collaboration among students, faculty, and staff (for example, the Wellness Council, and the student peer education group CREW) Individual wellness consultations are available. Feel free to contact Karrie Joseph, MPH at 828-227-3471.

Dining Western Carolina University provides food services for students at the following campus locations:

- Brown (on the upper campus)
- Convenience Store locations at Dodson, Brown and Norton Residence Hall
- Cyber Cafe (Dodson)
- Dodson (on the lower campus)
- Einstein Brothers Bagels (Hinds University Center)
- Hinds University Center Food Court
- Java City (Hunter Library) and Java City (University Center)

Food service may not be provided when dining locations are closed during holidays and other periods when the university is not in session.

Students living in university residence halls are required to purchase a campus meal plan each semester. Participation in a food service plan is optional for commuting students. Special dietary requirements are accommodated by contacting WCU Dining at 227-7396.

The various food service plans offered are described in the fees section of this catalog. For additional information and frequently asked questions, visit the Dining website http://wcu dinning.wcu.edu.

Mail Service Students residing on campus are assigned a 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 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 Wachovia ATM is located on campus. State Employees Credit Union and BB&T ATM's are located in the Hinds University Center. Additionally, branch offices of Wachovia Bank, BB&T, State Employees Credit Union, Sun Trust Bank, Macon Savings Bank, Carolina First Bank, Mountain Credit Union, United Community Bank, First Citizen's Bank, Jackson Savings Bank are located in or near Sylva.

Disability Services. The Disability services office provides accommodations for students with disabilities. Accommodations are determined on an individual basis and may include housing accommodations, testing accommodations, sign-language interpreters, note takers, books-on-tape, adaptive equipment and software, and priority registration. To receive services, students must submit a Voluntary Disability Disclosure form and current documentation of a disability. Disability counseling, career advisement, advocacy, and coaching are also available. Kimberly Marcus, Director, 828-227-7234, www.wcu.edu/disabilities

Educational Talent Search  Talent Search is a federally funded program through the US Department of Education hosted here at Western Carolina University. Our mission is to assist first generation college bound students with enrollment in post secondary schools. Talent Search provides a wide range of support services to 900 area middle and high school students. Academic, career, and financial aid counseling as well as a variety of summer and adventure educational experiences are also provided. Talent Search can be reached at (828) 227-7137.

The Kneedler Child Development Center provides affordable, accessible childcare for approximately 60 children of students, faculty, staff, and community members. The center operates four classrooms (ages 1-5) staffed by wonderful teachers who are committed to early childhood education. Each classroom offers developmentally appropriate activities designed to stimulate social, emotional, intellectual, and physical development. The facility is located in the remodeled west wing area of the Cordelia Camp Building. If you would like further information please visit our website (http://www.wcu.edu/studentd/kneedler/index.html) or contact the center at (828) 293-1530.

The Multicultural Center strives to have programs that are fun as well as educational. Cultural awareness programs are great for learning about the heritage and customs of others. The Multicultural Center sponsors programs during nationally recognized celebratory months to highlight some of the many cultures represented on campus. The center serves as resource, advocate and foundation of support for the Western community on issues of diversity and multiculturalism. The Multicultural Center works to promote an inclusive community for students with diverse need. For more information contact Tanisha Jenkins, Director, email tjenkins@email.wcu.edu or call (828) 227-2276.

Ramsey Regional Activity Center

Concerts and Entertainment  Western North Carolina's most versatile entertainment complex, the Liston B Ramsey Regional Activity Center provides quality programming for the entire community. The 8,000 seat arena hosts major concerts, national touring acts, commencement and Catamount basketball and volleyball. Student tickets to major events are often available at a discount.

Event Services  The arena, concourse, meeting rooms, outdoor patios, and other reservable spaces are available to the public for banquets, trade shows, conferences and meetings. Students may utilize the Ramsey Center's full line of event services including event planning, equipment reservations, and room set-ups.

Fitness Activities  The Ramsey Center offers opportunities to enjoy regular fitness activity. Students have free access to five racquetball courts, two basketball courts, walking or jogging around the concourse, and a lighted outdoor rollerblade and skateboard area.
Job Opportunities. Students play a major role in the operation of the Ramsey Center. Student managers keep the Ramsey Center open for activity during evenings and weekends. Stage crew, lighting operators, and promotion and event staff help with concerts and other major productions. Utility crew and office assistants work closely with staff to handle day-to-day operations. Ramsey Center team members work flexible hours, gain leadership experience, and develop communication, teamwork, and time management skills.

For more information about the Ramsey Center and its programs and services, go online to http://ramsey.wcu.edu.

Service Learning is a teaching/learning approach that integrates community service with academic instruction and structured reflection in such a way that students gain further understanding of course content, develop career-related skills, meet community needs, and become responsible citizens. Service learning extends learning beyond the classroom, facilitates deeper understanding of subject matter, increases students’ ability to apply classroom learning to “real-world” situations, improves critical-thinking and analytical abilities, promotes the development of civic, social and leadership skills, deepens appreciation of diversity, creates valuable community networks, helps students clarify professional goals and prepare for careers, enhances participants’ resumes and portfolios, and improves the quality of life in local communities.

The Service Learning Department is a clearinghouse of opportunities for service to the community. More than 90 community agencies provide service sites for students. The Service Learning Department coordinates reflection activities and manages a Chat Room and Discussion Board, which serves as a reflection tool. In addition, the Department provides a team of peer educators (Medford Scholars) who serve as reflection leaders for service learning. For more information contact Dr. Glenn Bowen, Director, at (828) 227-3059.

Upward Bound Math and Science program serves high school students from an eight-state region in the Southeast. The program’s primary objective is to encourage and motivate high school students from low income/first generation college backgrounds to pursue their interest in math and science beyond high school. The summer experiential and ecological field-based approach to critical reasoning provides a unique foundation for students to attain success in their post-secondary educations. For more information contact Susan Fouts at (828) 227-7158.

Women’s Center and Women’s Programs. The Women’s Center provides resources, support and advocacy for women as they empower themselves and each other in their individual and collective pursuits. Opportunities include leadership development, Women, Leadership and Social change class, programs about gender and women’s issues, book club, volunteering, internships, sexual assault awareness and education programs, student employment, and more! The Women’s Center is located at 334 University Center. For more information contact Sara Stoltenburg at (828) 227-7450 or womenscenter@wcu.edu.

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 affairs/student handbook. 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 addiction's counselor and a faculty member and composed of faculty, staff, and students. The task force shall develop and coordinate an ongoing 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

1 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

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.

*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.
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

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 defined as, but not limited to, privacy issues, theft, vandalism, copyright issues, and harassment 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 material 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

Electronic Mail Policy
University electronic mail accounts are provided and supported by the State of North Carolina to support the missions of the University.

The purpose of this Policy is to ensure the appropriate use of the University’s Electronic Mail System by its students, faculty and staff. The Electronic Mail System is provided by the University as one of its primary means of official communication. Users have the responsibility to use these resources in an efficient, effective, ethical and lawful manner. Use of the University’s electronic mail system evidences the user’s agreement to be bound by this Policy. Violations of this Policy may result in restriction of access to the University email system and/or other appropriate disciplinary action.

User Responsibilities
The Information Technology Division maintains the University’s official Electronic Mail System. Faculty, staff, and students are required to read their Electronic Mail System messages on a regular basis. Faculty, staff, or students who choose to use another email system are responsible for receiving University-wide broadcast messages, notices and personal mail by checking the University’s official electronic mail system and the University’s World Wide Web homepage. An alternate method of receiving University electronic mail is to utilize the Forward Feature, which can be set to forward mail to an individual’s personal email account. An Electronic Mail System message regarding University matters sent from an administrative office, faculty, or staff member is considered to be an official notice. Supervisors must ensure that their University staff and faculty have access to the necessary or appropriate messages distributed via the University’s Electronic Mail System.

Personal Use of Electronic Mail System
The University’s Electronic Mail System may, subject to the foregoing, be used for incidental personal purposes provided such use does not violate either this policy or University Policy #52. In addition, personal use must not interfere with University operation of information technologies, including electronic mail services, generate a direct cost for the University or interfere with the user’s employment or other obligations to the University.
Privacy of personal electronic mail content residing on or transmitted through University equipment should not be expected. No University faculty member, staff member, or student should use a University Electronic Mail System account with the expectation that any particular Electronic Mail System content, whether personal or business-related, will be private.

Privacy of Electronic Mail Files
The University does not inspect or monitor electronic mail routinely. To the extent permitted by law, however, the University reserves the right to access and disclose the contents of faculty, staff, students', and other users' electronic mail without the consent of the user.

Access to electronic mail on the University's computers that involves reading or disclosing electronic mail may occur only where authorized by the University and only for the following purposes:

- Troubleshooting hardware and software problems, such as rerouting or disposing of undeliverable mail,
- Preventing or investigating unauthorized access and system misuse,
- Retrieving or reviewing for University purposes University-related information,
- Investigating reports of violation of University policy or local, state, or federal law,
- Investigating reports of employee, student or user misconduct,
- Complying with legal requests for information (such as subpoenas and public records requests), and
- Retrieving information in emergency circumstances where there is a threat to health, safety, or University property involved.

Users of the Electronic Mail System also should be aware that, in addition to being subject to authorized access as detailed herein, electronic mail in its present form cannot be completely secured and is, therefore, vulnerable to unauthorized access and modification by third parties. Receivers of electronic mail documents should check with the purported sender if there is any doubt about the identity of the sender or the authenticity of the contents, as they would with print documents.

Users of the Electronic Mail System also should be aware that even though the sender and recipient have discarded their copies of an electronic mail record, there may be back-up copies of such electronic mail that can be retrieved on University systems or any other electronic systems through which the mail has traveled.

Access by authorized University employees to electronic mail stored on the University's network of computers may be necessary to ensure the orderly administration and functioning of University computing systems. Such access, gained for purposes such as to back up or move data, ordinarily should not require the employee gaining access to the electronic mail to read messages. The University requires employees, such as system administrators, who as a function of their jobs routinely have access to electronic mail and other electronically stored data to maintain the confidentiality of such information.

Limitations on the Use of Electronic Mail System
The legal and regulatory environment surrounding the University's Electronic Mail System creates a number of other limitations on the use of the University's Electronic Mail System accounts. Most apply uniformly to the use of all State-provided resources. They may be briefly summarized:

- Electronic Mail System accounts are for the exclusive use of the individual to whom they are assigned.
- No use is permitted that conflicts with the requirements of civil or criminal law, including but not limited to laws relating to the privacy of student and employee records, pornography, defamation, intellectual property infringement, and illegal discrimination, or conflicts with any applicable policy of the UNC Board of Governors or Western Carolina University (including University policy #52), such as use in support of partisan political activities.
• No use if permitted that constitutes the unauthorized exchange of proprietary information or any other privileged, confidential, or sensitive information
• The knowing transmission of a message containing a computer virus or that misrepresents the identity of the sender is prohibited
• The use of or attempt to use the accounts of other without their permission is prohibited
• Personal use cannot interfere with a University employee's obligation to carry out University duties in a timely and effective manner
• The personal use cannot involve sending or soliciting chain letters or sending unsolicited bulk mail messages (e.g., “junk mail,” “spam,” or “MLM”), or otherwise overloading the University’s electronic mail system or negatively interfering with system performance
• Uses that result in commercial gain or personal profit are not permitted, except as allowed under University intellectual property policies and external activities for pay policy, however, in no case may the University’s Electronic Mail System be used for solicitation of an unrelated, external activity for pay. See University Policy 54 for EPA employees and University Policy 87 for SPA employees
• No personal use may state or imply University sponsorship or endorsement of its message

Electronic mail created for business purposes by University employees is a public record and, as such, may not be disposed of, erased or destroyed unless permitted by law. Just as in the case of hard copies, individual employees are responsible for saving or archiving their Electronic Mail System messages. Electronic Mail System messages that have reference or administrative value but are of a temporary, ephemeral, or transient nature may be deleted when the user has determined that their reference value has ended.

Just as in the case of hard copies, the retention period for electronic mail that must be retained is determined by the type of document being retained. The North Carolina University Records Retention and Disposition Schedule followed by the University, contains required retention periods by category of record. If you have questions about retention periods, please contact the Head of Special Collections in Hunter Library.

Electronic mail may be retained electronically or it may be printed and retained as a hard copy. Due to limited resources, the Information Technology Division has the right to restrict the amount of user space on the primary message server or archive older messages on other servers as necessary.

Electronic Mail System accounts of students who have not registered for a semester will be purged after 30 days. Accounts for faculty/staff who have left the University will be frozen within two working days after the person's last day and will be deleted after 30 days. This period can be extended for up to three months for faculty and staff if requested by their supervisor before the employee's last day.

**Official University Electronic mails**

Not all written communication is appropriate for the Electronic Mail System. In fact, in certain limited situations, the law may require the use of paper originals delivered via regular mail. In other situations, good business practice may call for not only a paper original, but, for example, one that is sent by certified mail, receipt requested.

When using the Electronic Mail System as an official means of communication, students, faculty, and staff should apply the same professionalism, discretion, and standards that they would use in written business communication. Furthermore, students, faculty and staff must remember that matters communicated via the Electronic Mail System may become a public record, may become evidence in a law suit or may otherwise be shared with a broader audience than intended.

Students, faculty and staff may not inappropriately disclose University information in Electronic Mail System messages that they are privileged to access because of their position at the University.
Those wishing to transmit broadcast electronic messages, either to an on or off campus audience, containing essential University announcements to alumni, students, faculty, and/or staff must obtain approval from the appropriate administrative authority. Within the scope of their authority, only the Offices of an Associate Vice Chancellor, Vice Chancellor, Provost, or the Chancellor may authorize the transmission of broadcast messages to a wide audience of students, faculty and staff. Appropriate broadcast of electronic messages may include, but is not limited to, the following types of announcements:

- Emergency or unforeseen campus-wide events notification (e.g., cancellation of classes or closing of the University due to inclement weather or emergency),
- Important campus deadline notification (e.g., last day of drop/add for students),
- Improved services to students, faculty, or staff that directly impact all members of the affected group.

By contrast, broadcast electronic messages should not be used for non-essential matters such as publicizing campus events. Broadcast email messages should be sent only to the affected group (students, faculty, or staff, or a subgroup of one of those groups) and should be of critical importance to that group.

**Law Enforcement**

The University Police department is responsible for providing law enforcement, criminal investigation, and protective services on campus. University Police officers are certified by the N C 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 WCU should be reported to the University Police Department. Emergencies should be reported by dialing 911 from a University telephone or by dialing 828-227-7301 from your cellular telephone. Non-emergencies may also be reported by dialing 828-227-7301. Reports for crimes may be filed by visiting the University Police Department, located in the Camp Building Annex, or by contacting an officer on patrol. Officers may also be summoned for emergencies 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 at the University Police department. This same information is made available online at http://police.wcu.edu. For Clery Act Report information, see the Student Affairs homepage.

To better serve and enhance relationships with students, the University Police Department, in cooperation with Residential Living, maintains a substation in Leatherwood Hall.

**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 Parking Services Office and display a current decal on that vehicle. Visitors who park a vehicle on campus less than three days per semester do not need to register their vehicle. Parking and traffic regulations literature is made available in the Parking Services Office, located in the Outreach Center Annex. These same regulations are made available on-line at http://police.wcu.edu/parking.htm.

The Parking, Traffic, and Safety Committee, composed of students, faculty, and staff, functions as an appellate board for faculty and staff members wishing to contest parking citations that they have received. Appeals concerning student violations are heard by a similar SGA appellate committee. The faculty and staff parking citation appeal form is available in the Parking Services Office. The student parking citation appeal form is available online at http://paws.wcu.edu/sga/. For more information, contact the University Parking Services Office at 828-227-7275 (PARK).
Student Shuttle Bus System (CAT-TRAN)

The shuttle bus system, or Cat-Tran, is operated through the University Police Department. Cat-Tran provides shuttle service according to prescribed routes throughout the semester during day class hours. Reduced shuttle service is available during evening, weekend, and summer hours. The Cat-Tran does not operate during holidays, spring or fall breaks, or semester breaks. The Cat-Tran buses are used for the daily shuttle routes and are not available for special event or group use. For information regarding routes, hours of operation, or other issues, please visit the Cat-Tran website at http://www.wcu.edu/cattran/ or call the Cat-Tran office at 828-227-8726.
FEES, EXPENSES AND FINANCIAL AID

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 2007-2008 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 may be made by mailing a check, cashier’s check or money order, to the Student Accounts Office, in-person at the One Stop in the Killian Annex, or on-line through MyCat. In accordance with state policy, a processing fee of $25 is assessed for returned checks.

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.

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.

Tuition and Housing Advance Payments

Tuition and Fees New students who are admitted to Western Carolina University for the fall semester are required to remit a $100 advance 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 payment is not required for new summer or spring semester enrollees.

Housing New students who intend to live on the University campus must remit a $100 advance payment of housing charges. Freshmen students are required to live on campus, except freshmen from the local area 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 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 fee of $10. See the Academic Calendar.

Resident and Distance Learning Tuition and Fee Charges
The university classifies its programs and courses into two categories: resident and distance
learning (DL). Students should become familiar with the classification of their programs,
because each has a different tuition and fee structure. Resident programs are located on campus
in Cullowhee or at resident centers in Asheville/Buncombe County and Cherokee. Degree
or certificate programs that are approved for DL serve students away from the Cullowhee
campus and its resident centers. Course sections are classified as resident or distance based
on the intended population to be served. Although course section classifications as resident or
distance typically follow program designations, there are exceptions. So, during the on-line
registration process, students should look at the CAMPUS designation to determine whether
the course section is a resident or distance course for tuition purposes.

Tuition and fees are based on program and/or course section campus classification and are
applied to all academic terms. Typically, resident and distance students enroll in course
sections in the same classification as their program (e.g., distance students enroll in distance
courses). Occasionally, students may find it necessary to enroll in a course section whose
designation is different from the classification of their approved programs. When this occurs,
distance and part-time resident students will be charged the tuition and fees associated with
the classification of each individual course section (resident or distance). Full-time resident
students will be charged their full-time rate regardless of the combination of resident and
distance course sections. Since there is no full-time rate for DL students, they will be charged
the part-time rate for resident courses in which they enroll unless their program has a special
provision to be charged otherwise. Special provisions may be approved for specific programs
(e.g., Military and Jamaican programs).

Fees Per Semester

1 Full-time Student

<table>
<thead>
<tr>
<th></th>
<th>UNDERGRADUATE—tuition and required fees, NC</th>
<th>$2,435.50</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>UNDERGRADUATE—tuition and required fees, out-of-state</td>
<td>$7,227.00</td>
</tr>
<tr>
<td></td>
<td>GRADUATE—tuition and required fees, NC</td>
<td>$2,471.50</td>
</tr>
<tr>
<td></td>
<td>GRADUATE—tuition and required fees, out-of-state</td>
<td>$7,264.00</td>
</tr>
</tbody>
</table>

RESIDENCE HALLS

<table>
<thead>
<tr>
<th>Residence</th>
<th>Single Room</th>
<th>$2,253.00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Double Room</td>
<td>$1,416.00</td>
</tr>
<tr>
<td>Reynolds (Honors College)</td>
<td>Single Room</td>
<td>$2,547.00</td>
</tr>
<tr>
<td></td>
<td>Double Room</td>
<td>$1,551.00</td>
</tr>
<tr>
<td>Central Drive Hall</td>
<td>Single Room</td>
<td>$2,165.00</td>
</tr>
<tr>
<td></td>
<td>Double Room</td>
<td>$1,660.00</td>
</tr>
<tr>
<td>Robertson (Married Students)</td>
<td>Efficiencies</td>
<td>$2,457.00</td>
</tr>
<tr>
<td></td>
<td>One bedroom</td>
<td>$2,552.00</td>
</tr>
<tr>
<td>Madison</td>
<td>Graduate Students</td>
<td>$2,310.00</td>
</tr>
<tr>
<td>The Greek Village</td>
<td>$2,104.00</td>
<td></td>
</tr>
<tr>
<td>Norton Road</td>
<td>Single Room</td>
<td>$2,130.00</td>
</tr>
<tr>
<td></td>
<td>Double Room</td>
<td>$1,973.00</td>
</tr>
</tbody>
</table>
MEAL PLANS

80 All-you-care-to-eat meals per semester $1,135 00
plus $680 00 declining balance

80 All-you-care-to-eat meals per semester plus $865 Declining Balance $1,315 00
Declining Balance (Upper Classman) $935 00
Declining Balance (Upper Classman) $1,035 00
Declining Balance-The Village $835 00
Commuter Declining $465 00
Commuter Variable Declining $50 00

**The last day to make meal plan changes for Fall semester is August 24, 2007

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>$1,014 00</td>
<td>$5,805 50</td>
</tr>
<tr>
<td>*Required Fees</td>
<td>$1,314 50</td>
<td>$1,314 50</td>
</tr>
<tr>
<td>**Book Rental Fee</td>
<td>$107 00</td>
<td>$107 00</td>
</tr>
<tr>
<td>***Room (standard double)</td>
<td>$1,416 00</td>
<td>$1,416 00</td>
</tr>
<tr>
<td>****Board (80 AYCE + $680DB)</td>
<td>$1,135 00</td>
<td>$1,135 00</td>
</tr>
<tr>
<td>TOTALS</td>
<td>$4,986 50</td>
<td>$9,778 00</td>
</tr>
</tbody>
</table>

*Fees include $298 00 for Health Insurance Fee May be waived by verifying coverage at www.studentinsurance.com

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 $9,980 00 per year in public funds to support the educational programs offered.

Dining Services

Meal Plan Requirement

University policy requires students who live in a residence hall to purchase a meal plan from the available plans each semester. Unused declining balance points at the end of fall semester will transfer to spring semester for continuing students. Unused declining balance points are forfeited at the end of spring semester. Block Plan meals must be used in the semester for which they were purchased. Unused Block Plan meals do not transfer to the following semester and will be forfeited at the end of the semester. The balance remaining at the end of fall term does not change the requirement to purchase a meal plan for spring semester. No refunds will be issued for unused block plan or declining balance points.

* Required fees include Health Services $108 00, Recreational and Cultural, $223 25 Athletics, $250 25 Athletic Facilities, $45 00, Documents Fee, $5 00, Education and Technology, $156 00 ASG $50 Student Recreation Center Debt Fee $75 00 Transportation Fee $24 00 Administrative Computing $26 00 University Center Debt Fee $47 00, Dining facility debt fee $56 50 Health Insurance $298 00 (Nonrefundable. Required by full time students only. May be waived by verifying coverage at www.studentinsurance.com)

** 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 Dodson 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 facilities 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.
Meal Plan Changes

Deadline for students to change their meal plan is the last day of course drop/add each semester.

Block Plan Meals

Block Meals are prepaid meals that can be used at Dodson Cafeteria for any meal served. Block Plan meals are available to use throughout the semester. There is no limit on the number of meals that may be used during a specific day or week, but meals must be used in the semester for which they are purchased. Block Meals do not transfer from semester to semester. Block Meals may only be used at Dodson Cafeteria.

Declining Balance Points

Declining Balance Points work on the same principle as bank debit cards. Each time you make a food purchase, the total cost of your purchase is subtracted from the point balance in your account. Declining balance points may be used at any campus dining location including the convenience stores and snack vending machines. Unused declining balance points at the end of fall semester will transfer to spring semester. Unused declining balance points at the end of spring semester are forfeited. No refunds will be issued for unspent declining balance points.

ID Card

A valid WCU Cat Card is required to use your meal plan. You must personally present your Cat Card to access your meal plan. You may not loan your card to another student. Cards presented in dining locations by someone other than the card owner will be confiscated. Cards and replacements may be obtained in the Killian Annex at One Stop Student Service Center. Cards that are damaged or the picture is impaired may be confiscated. Lost or stolen cards must be reported immediately to the Cat Card office or to University Police in order to have the card declared invalid. The University and Dining Services are not liable for purchases made with lost or stolen cards.

Serving Dates

Your meal plan can be used during scheduled service times from lunch on the day residence halls open until residence halls close at the end of the semester except during these University holidays: Thanksgiving Break (Wednesday – Sunday lunch), Winter Break, and Spring Break. Serving dates and hours of operation at individual dining locations are described on our website at http://wcdining.wcu.edu. Holiday hours will also be posted several days in advance at each location and will be available on the website.

Meal Plans

Premium Declining Balance ($1035.00 per semester)
(Available to sophomores, juniors, seniors and graduate students based on credit hours)

Standard Declining Balance ($935.00 per semester)
(Available to sophomores, juniors, seniors and graduate students based on credit hours)

Village Declining Balance ($835.00 per semester)***)
(Available to Village residents only regardless of credit hours)

***Requires a one year contract. Unused declining balance points at the end of spring semester will transfer to the following summer session. Unused declining balance points at the end of summer session will be forfeited.

Premium 80 Block Plan ($1315.00 per semester)
80 "All you care to eat" meals
+ $865 Declining Balance Points
(Available to all students)
Standard 80 Block Plan ($1135.00 per semester)
80 "All you care to eat" meals
+ $680 Declining Balance Point
(Available to all students)

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</th>
<th>Graduate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>In-State</td>
<td>Out-of-State</td>
</tr>
<tr>
<td>1</td>
<td>$338.28</td>
<td>$1,536.16</td>
</tr>
<tr>
<td>2</td>
<td>422.93</td>
<td>1,620.81</td>
</tr>
<tr>
<td>3</td>
<td>507.58</td>
<td>1,705.46</td>
</tr>
<tr>
<td>4</td>
<td>592.23</td>
<td>1,790.11</td>
</tr>
<tr>
<td>5</td>
<td>676.88</td>
<td>1,874.76</td>
</tr>
<tr>
<td>6</td>
<td>1,015.15</td>
<td>3,410.90</td>
</tr>
<tr>
<td>7</td>
<td>1,099.80</td>
<td>3,495.55</td>
</tr>
<tr>
<td>8</td>
<td>1,184.45</td>
<td>3,580.20</td>
</tr>
<tr>
<td>9</td>
<td>1,522.73</td>
<td>5,116.36</td>
</tr>
<tr>
<td>10</td>
<td>1,607.38</td>
<td>5,201.01</td>
</tr>
<tr>
<td>11</td>
<td>1,692.03</td>
<td>5,285.66</td>
</tr>
</tbody>
</table>

For each course scheduled for audit, a charge will be made equal to the credit hour value of the audited course

III 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

* Required fees include Health Services $108.00, Recreational and Cultural, $223.25 Athletics, $250.25 Athletic Facilities, $45.00 Documents Fee, $5.00, Education and Technology, $156.00, ASG $50, Student Recreation Center Debt Fee, $75.00, Transportation Fee, $24.00, Administrative Computing, $26.00, University Center Debt Fee, $47.00, Dining facility debt fee, $56.50, Health Insurance, $399.00 (Nonrefundable Required by full-time students only May be waived by verifying coverage at www.studentinsurance.com)
*** 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 Dodson 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 facilities 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.
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 (with the exception of the non-refundable health insurance fee):

<table>
<thead>
<tr>
<th>First day of classes</th>
<th>Refund Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>First day of classes</td>
<td>95 percent</td>
</tr>
<tr>
<td>1 to 11 calendar days following the first day of classes</td>
<td>90 percent</td>
</tr>
<tr>
<td>12 to 28 calendar days following the first day of classes</td>
<td>50 percent</td>
</tr>
<tr>
<td>29 to 57 calendar days following the first day of classes</td>
<td>25 percent</td>
</tr>
<tr>
<td>58 calendar days following the first day of classes</td>
<td>0 percent</td>
</tr>
</tbody>
</table>

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 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 Student Accounts 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 plan refunds for standard meal plans will be calculated based on a prorated daily balance. Meal plan 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. Requests for exceptions should be submitted to the Refund Appeals Committee, One Stop Student Service Center. Approved exceptions for refunds or account adjustments will be forwarded to the Student Accounts Office to make final settlement of the student's account. 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 fee of $107.00 each semester and are entitled to the adopted textbook used in each course for which they are registered. Part-time students pay a pro-rated amount equal to the number of semester hours for which the student is registered times the established hourly rate. 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 Book Rental textbooks at replacement cost (list price less 20 percent), but this does not exempt them from paying the rental fee. Book Rental fees are included with tuition and can be paid in the One-Stop Office. Further information about the Book Rental Plan can be found at wcubookstore.wcu.edu/

BOOK RENTAL POLICY EFFECTIVE FALL 2004

Rental books must be returned no later than five working days after the last day of final exams each term (including Mini-Mester and Summer School). Unreturned books will be charged to your student account at replacement cost. Books returned after this five-day period will be credited to your student account at 1/2 the charged amount. Grossly mistreated books must be purchased. There are no exceptions to the above policy. Textbooks may be returned by mail. Include your full name and student ID number to:

WCU Bookstore
Attention Book Rental
Western Carolina University
Cullowhee, NC 28723

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 Purpose

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 reregistration

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. Any active duty member of the armed services qualifying for admission
to an institution of higher education as defined in GS 116-143 1(a)(3) but not qualifying as a
resident for tuition purposes under GS 116-143 1 shall be charged the in-State tuition rate and
applicable mandatory fees for enrollments while the member of the armed services is abiding
in this State incident to active military duty in this State. In the event the active duty member of
the armed services is reassigned outside of North Carolina or retires, the member shall continue
to be eligible for the in-State tuition rate and applicable mandatory fees so long as the member
is continuously enrolled in the degree or other program in which the member was enrolled at
the time the member is reassigned. In the event the active duty member of the armed services
receives an Honorable Discharge from military service, the member shall continue to be eligible
for the in-State tuition rate and applicable mandatory fees so long as the dependent relative
qualifies for admission to an institution of higher education as defined in GS 116-143 1(a)(3). The
dependent relatives shall comply with the requirements of the Selective Service System, if
applicable, in order to be accorded this benefit. In the event the member of the armed services
is reassigned outside of North Carolina or retires, the dependent relative shall continue to be
eligible for the in-State tuition rate and applicable mandatory fees so long as the dependent
relative is continuously enrolled in the degree or other program in which the dependent relative
was enrolled at the time the member is reassigned or retires. In the event the member of the
armed services receives an Honorable Discharge from military service, the dependent relative
shall continue to be eligible for the in-State tuition rate and applicable mandatory fees so long
as the dependent relative establishes residency within North Carolina within 30 days after the
discharge and is continuously enrolled in the degree or other program in which the dependent
relative was enrolled at the time the member is discharged.

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 the 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 this 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 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 application 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, P.O. 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 $4,050 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 $8,500, 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 on-line posted vacancies at http://careers.wcu.edu. Information for student part-time jobs is located on the 2nd floor 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. The Office of Student Affairs also awards some leadership and special scholarships. 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: 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.

The Deborah J Bardo Employee Scholarship Fund: The purpose of this fund shall be to provide support for entering Western Carolina University students who have proven themselves to be academically deserving. The scholarship will be awarded on the basis of merit and need to entering students who are children or grandchildren of current University employees.

The Maxie E. Beaver Award: To provide support for the annual Outstanding Student Teacher in Music. Contact the Head of the Department of Music.

The John Beegle Alumni and Friends Scholarship: To provide assistance to seniors planning to pursue a Master of Accountancy degree. Contact the Dean of the College of Business.

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.

Proffitt's Pecuniary Propitiousness Protocol: The purpose of this fund is to recognize and assist those majoring in Computer Science who have shown themselves academically worthy and have proven themselves deserving. Contact Mark Holliday at holliday@email.wcu.edu.

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.

The Antonio Bonarrigo Nursing Scholarship Fund  This scholarship fund provides financial support to juniors or seniors in the nursing program. Candidates will be considered and recommended by a Nursing Department faculty scholarship committee. Contact the Department of Nursing.

The Nicholas and Grady Justice Bonarrigo Scholarship Fund  This scholarship fund provides financial support to students who have graduated from a Western North Carolina high school (Buncombe, Haywood, Jackson, Macon, Cherokee, Swain, Henderson, Transylvania, Graham, or Madison). Candidates will be considered on the basis of financial need, academic qualifications, and overall achievements. 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  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 Helen Ramsey Brown Scholarship  To provide support to a senior in the area of humanities and a senior in the area of natural sciences. Contact the Dean of the College of Arts and Sciences.

The Kim L. Brown Award for Excellence in Tutoring  To provide support to a student(s) selected by the Director of the Writing Center in consultation with the Chairman, Department of English.

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.

The Michael Buckner Scholarship  To provide support to students who participate in the marching band and have proven themselves to be academically deserving. Contact the Department of Music.

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 Bernece H Cain Scholarship Fund. Dr Fred R. and Bernece 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.

The Capps Family Memorial Scholarship Fund. This scholarship fund provides financial support for middle grade education students. Candidates must have graduated from a high school in one of the 17 western most NC counties, have a minimum 3.0 GPA, and have validated financial need. Contact the College of Education and Allied Professions.

The Catawba County Christian Business and Professional Scholarship Fund. This scholarship fund provides financial support for entering freshmen. Preference will be given to a student from Catawba County, NC, with first preference given to candidates from Hickory High School and St. Stephens High School. Though no student is excluded from consideration of this award regardless of faith, candidates shall be considered based on their demonstration of the highest standards of moral character, including those exemplified by traditional Christian principles. Contact the Office of Financial Aid.

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.

The 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.

The Delta Sigma Phi Alumni Scholarship  To provide support for a current brother of the Delta Omicron Chapter who is in good standing. An application must be presented to the Delta Sigma Phi Scholarship Committee prior to the academic year of the award.

Dr 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, honoring 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.
The Charles O Frazier Endowed Scholarship Fund  This scholarship fund provides financial support to an incoming freshman enrolled in a full-time, degree-seeking course of study. Preference will be given to a graduate of Franklin High School, Franklin, NC, who has demonstrated financial need. Contact the Office of Financial Aid.

The Henry Galloway Scholarship  To provide support to students majoring in undergraduate education programs and have graduated from a western North Carolina high school (Burke County and west). Contact the Office of Financial Aid.

Gerr 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 Gender Equity in Athletics Endowment  To provide support for men and women athletes to share equally in the opportunities available. Contact the Office of Financial Aid.

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 Odell Griffin Memorial  To provide support to an outstanding pitcher on the Catamount baseball team. Contact the Department of Athletics.

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.

The Beverly D Hairfield, Jr Scholarship  To provide support to a deserving student(s) who graduated from a high school in either Avery, Burke, Caldwell or McDowell Counties, NC. Contact the Office of Financial Aid.
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.

The Lester C. Henderson Scholarship To provide support to full-time WCU student who graduated from Macon, Clay, or Cherokee county high schools and are in need of financial assistance. Contact the Office of Financial Aid.

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

The Jackson County Chamber of Commerce Scholarship  To provide support to a student who graduated from a Jackson County, NC, high school, preferably, and who is affiliated (a member or immediate family member) with the Jackson County Chamber of Commerce  Contact the Office of Financial Aid

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

The Dee Ann Jagger Memorial Scholarship  To provide support for members of the women's varsity tennis team  Selection will be based on academic achievement, talent, potential and overall participation in social, civic, and school activities  Preference will be given to upperclass students who have maintained a grade point average of 3.0 or above and have expressed a desire to attend graduate school  Contact the WCU Tennis Coach

The William Kane Scholarship  To provide support to a rising senior majoring in management in the College of Business, who is a full time student and a resident of NC  Contact the Dean in the College of Business

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

R Kirk Landon Graduate Student Scholarship  This scholarship fund provides financial support for full-time, degree seeking students in a Masters Degree program  Preference will be given to qualified students from Haywood County, NC  Contact the Office of Financial Aid

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 Jesse 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

The Mary Lee McAllister Scholarship To provide support to a rising junior or senior majoring in Electronics Engineering Technology Contact the Head of the Industrial and Engineering Technology Department

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

Joan and Malcolm MacNeill Merit Scholarship Fund This scholarship fund provides financial support for full-time, degree seeking undergraduate students Candidates must be in good standing and will be considered on the basis of their overall academic merit 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

Alice Mathews Scholarship Fund This endowed scholarship fund was established to honor a former member of the WCU faculty, Dr Alice Mathews The fund provides support for deserving history majors with priority consideration given to students with a 4.0 GPA Contact the history department

The Jacob Spencer Medford Scholarship To provide support to a student participating in the Service Learning Program Contact the Service Learning Advisory Committee

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

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 contribution 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. 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.

The Betty Peele Leadership Fund  To provide support to a female athlete who shows leadership on and off the court or field of play, and who demonstrates excellence in and out of the classroom. Contact the Senior Women’s athletic Administrator of the WCU Athletic 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.

Proffitt's Pecunary Propitiousness Protocol  The purpose of this fund is to recognize and assist those majoring in Computer Science who have shown themselves academically worthy and have proven themselves deserving.
The Project Management Institute-Metrolina Chapter Scholarship  To provide support to full-time Masters of Project Management degree-seeking students. Students will be considered on the basis of their overall academic merit, financial need, and civic involvement. Contact Project Management Institute members who are on the faculty of WCU.

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 opportunities 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.

The Steve and Linda Reese Scholarship. To provide support to students who are obtaining a business degree. The student must be a full-time, demonstrate financial need, and maintain a 2.75 GPA within his or her business major. 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-Morris 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

Sigma Chi-Kappa Gamma Freshmen Scholarship  Scholarship for male freshmen at Western Carolina University  The scholarship carries a one-time award of $500  An application and essay is required  To be eligible, students must earn a minimum GPA of 2.5 on the first semester of work  Contact the Financial Aid office for application materials
Jessie Siler Sloan and George Neville Sloan Scholarship  This scholarship fund provides financial support for juniors in the College of Arts and Sciences based on 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.

The Staff Forum Scholarship Fund  The Staff Forum Scholarship Fund was established by the Western Carolina University Staff Forum to provide scholarship support for the children of SPA and EPA. Contact the Office of Financial Aid.

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 Charles J. Stevens Scholarship Fund  This scholarship fund provides financial support for a rising junior or senior Political Science major. Contact the Office of Financial Aid.

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

The Sue and Jack Wakeley Scholar-Athlete Award for Track, Field and Cross Country. To provide support to a female and male athlete performing in track, field or cross country. The recipient must have a minimum 3.0 GPA and must have scored points in a Conference meet, or, in the most important meet of the year, should there be no Conference meets. Contact the Athletics Department.

The Bob Waters Leadership Fund To provide support for a graduate assistantship in football. Contact the Head Football Coach.

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.

The Sarah J. and Max R. Williams Scholarship To provide support to students majoring in history. Preference will be given to graduate students. Contact the Head of the Department of History.
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 when a major is declared. A student who leaves the university for a period of one calendar year or longer and then returns is required to meet the major requirements in effect at the time of return. A student who changes to another major is 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 of graduation. Students should discuss this option with their academic advisor, 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 enrollment 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. Changes in or elimination of provisions contained herein on any and all matters may be made and applied before the next published catalog. However, the latest information is maintained on line under the Office of the Provost on Western's home page or 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, one 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 mini or summer session are published in the Summer School Schedule of Classes.
Classification. Regular degree-seeking undergraduates are classified based upon cumulative hours earned:

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<tr>
<th>Classification</th>
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<td>30-59 hours</td>
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Grading and Quality Point System*

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<th>Quality Points per Semester Hour</th>
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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 incompletion 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 upon completion of the stated requirements. 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 load. 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 One Stop Student Service Center 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 One Stop Student Service Center 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 Advising Center.

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 Advising Center at 828-227-7170.

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.
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.

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 to Residential Living, 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 for a reason other than academic dishonesty should follow, in order, the academic appeal procedure:
1. Appeal in writing 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 Associate Vice Chancellor for Academic Affairs 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 Provost. The Provost'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 of the Provost.

**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.
The procedures for cases involving allegations of academic dishonesty are

1. Instructors have the right to determine the appropriate sanction or sanctions for academic dishonesty within their courses up to and including a final grade of "F" in the course. Within 5 calendar days of the event, the instructor will inform his or her department head in writing of the academic dishonesty charge and sanction.

2. The department head will meet with the student to inform them orally and in writing of the charge and the sanction imposed by the instructor within 10 calendar days of written notice from the instructor. Prior to this meeting, the department head will contact the Office of Student Judicial Affairs to establish if the student has any record of a prior academic dishonesty offense. If there is a record of a prior academic dishonesty offense, the matter must be referred directly to the Office of Student Judicial Affairs. In instances where a program does not have a department head, the Dean or Associate Dean of the college will assume the duties of department head for cases of academic dishonesty.

3. If the case is a first offense, the student can choose to accept the charge and sanction from the instructor by signing a Mutual Agreement with the department head or can choose to have a hearing with the Academic Integrity Board. Within 10 calendar days of the meeting with the student, the department head will 1) report the student’s choice of action in writing to the Office of Student Judicial Affairs, 2) file a copy of the Mutual Agreement (when applicable) with the Office of Judicial Affairs, and 3) inform the student of the sanctions to be imposed under the Mutual Agreement or inform the student of the procedure for requesting a hearing with the Academic Integrity Board if the Mutual Agreement is not accepted. Mutual Agreements are final agreements not subject to further review or appeal.

4. In instances of second offenses, or when the student chooses a hearing, the Office of Student Judicial Affairs will meet with the student to provide an orientation to the hearing process and to schedule a date no less than 10 and no more than 15 calendar days from the meeting for the hearing. The student can waive minimum notice of a hearing. However, extensions are at the sole discretion of the Office of Student Judicial Affairs. Should the student choose not to attend the orientation meeting, a hearing date will be assigned to the student.

5. The hearing procedures will follow the same format as stated in the Code of Student Conduct (Article VA 5). The hearing body (Academic Integrity Board) will consist of 2 students from the Student Judicial Affairs Student Hearing Board and 3 faculty members. The faculty fellow for academic integrity will be one of the faculty members and will serve as the chair. The other two faculty members will be chosen by the Director of Student Judicial Affairs from a pool of eight faculty hearing officers. Each academic year, each college dean will appoint two faculty members from their college to comprise the pool of eight faculty hearing officers. When a student fails to attend the hearing for any reason, the hearing will be held in a student’s absence. The hearing body may impose any sanctions as outlined in Article VB in the Code of Student Conduct. Students given a sanction of probation for academic dishonesty will remain on probation at Western Carolina University until graduation.

6. Following a decision from the Academic Integrity Board, the Office of Judicial Affairs will inform the student of the sanction or sanctions to be imposed upon the student and of the student’s right to file an appeal with the University Academic Problems Committee. The appeal is limited to those rules and procedures expressly mentioned in the Code of Student Conduct (Article VD 2) and is limited to the existing record. If the student does not file an appeal with the University Academic Problems Committee within 5 calendar days, the sanction or sanctions from the Academic Integrity Board will be imposed. The decision of the Academic Problems Committee may be appealed to the Vice Chancellor for Student Affairs. Any decision of the Vice Chancellor for Student Affairs may be appealed to the Chancellor.

7. Upon final resolution of a case involving suspension or expulsion, the Director of Student Judicial Affairs will inform the appropriate dean, department head, and the administrator in the One Stop Office who is responsible for University Withdrawals of the sanction.
Note Resolution of academic honesty complaints will be handled according to the provisions of the Academic Honesty Policy. Records of academic dishonesty cases are maintained in the Office of Student Judicial Affairs.

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
- 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
• Major field of study
• Weight and height of members of athletic teams
• Photograph
• Electronic mail (E-mail) address

Students may withhold directory information by notifying the One Stop Student Service Center 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 at the One Stop Student Service Center and on the Web at registrar.wcu.edu/forms.

Western Carolina University’s complete FERPA policy may be obtained from the One Stop Student Service Center.

**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 P.O. 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. Students who wish to be part of the Honors College Scholar Program should contact the Honors College at 828-227-7383.

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

Academic Probation for Continuing Students

Continuing students are placed on academic probation when their cumulative WCU grade point average (GPA) falls below 2.0. 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.

Academic Probation for First Semester Freshmen and New Transfers

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 continue enrollment in the University.

First semester freshmen and new transfers who earn a cumulative GPA within the range of 1.0 to 1.999 at the end of their first semester may return to the University for their second semester only if they choose to participate in the Learning Contract program.
Learning Contract Program

First semester freshmen and new transfers will be placed on academic probation if their GPA falls within the range of 1.0 to 1.999 at the end of their first semester. Students placed on academic probation with a cumulative GPA 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 continue enrollment in the University for one term. If readmitted after a lapse in enrollment, students are reminded that they will return to WCU under the general guidelines for academic probation.

The Learning Contract Program specifies that these students work closely with an academic advisor. The student and advisor 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, students should use the University's grade replacement policy to improve their academic standing (excluding the First Year Seminar).

Additionally, these students must make at least a 2.30 GPA on a full-time course load during their second semester or bring their cumulative grade point average to good standing (2.0). Failure to achieve these guidelines will result in academic suspension.

Academic Suspension for Continuing Students

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 GPA on all work attempted since their last enrollment at Western Carolina University. Students are reminded that grades made in transferred courses are not computed in the GPA calculation at Western Carolina University.

Academic Suspension for First Semester Freshmen and New Transfers

First semester freshmen and new transfers who earn a cumulative GPA below a 1.0 at the end of their first semester will be placed on academic suspension and will not be 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 GPA on all work attempted since their last enrollment at Western Carolina University. Students are reminded that grades made in transferred courses are not computed in the GPA calculation at Western Carolina University.

Appeal Process of Academic Suspension

Appeals for reinstatement without having to serve a specified period of suspension are approved or denied by the Academic and Admission Appeals Board (referred to as "Board"). The Board's decision is final. The Board's decision is based upon the student's letter of appeal which includes the reason for poor academic performance, documentation of extenuating circumstances, and a plan for rectifying the academic performance and raising the GPA to acceptable standards, as well as the student's previous academic history. Requests for
reinstatement must be submitted to the One Stop Student Service Center by the deadline stated in the academic suspension notification letter. A student whose appeal for reinstatement is approved will be designated as "Suspended/Reinstated" on his or her academic record.

**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 and Course Repeat Policy**

A maximum of 15 credit hours may be repeated. When a student repeats a course, only the most recent grade will be used in calculation of the student's grade point average and counted in the hours toward graduation. However, all grades shall remain on the student's transcript.

** Exceptions**

1. The First Year Seminar may not be repeated.
2. Courses available for re-enrollment for additional credit are not counted as repeats unless the student declares a repeat or exceeds the number of times for which credit can be earned in the course.
3. Some academic programs may have policies that further regulate the number of repeats.

The 15 credit hour limit of the repeat/grade replacement policy may be appealed by the student in writing to the student's adviser, department head or program director, and Dean.

**Note**

1. All course repeats, except courses available for re-enrollment for additional credit, require a permit for enrollment. If a faculty advisor approves the repeat permit, he/she can call or email the department head to have the permit entered in Banner so the student can enroll. DO NOT SEND STUDENTS TO THE ONESTOP FOR REPEAT PERMITS. ONESTOP PERSONNEL DO NOT HAVE THE AUTHORITY TO GRANT REPEAT PERMITS.
2. All repeats, except for re-enrollment for additional credit courses, result in a mandatory grade replacement. (The last course taken replaces the grade of the previous course.)

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

**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 Policy

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 before 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 regionally accredited. 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 from the One Stop Student Service Center 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 WCU.

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 or English 401 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.
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 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 website (registrar.wcu.edu).

The American Council on Education has endorsed a uniform credit granting score of 50 for all 34 exams. Percentile scores are no longer used as a basis for granting credit. 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 Military Personnel and Veterans of Military Service

The university will grant credit for those military service schools which have been evaluated by the Office on Educational Credit and Credentials of the American Council on Education. Members of The Armed Forces currently on active duty should submit appropriate documentation as shown below. Veterans should submit a notarized copy of their separation report and educational documentation as shown below.

Since 1950, a separation report is identified as DD Form 214. Prior to 1950, Army and Air Force veterans were issued a Separation Qualification Record, Navy and Coast Guard veterans were issued a Notice of Separation, Marine Corps veterans were issued a Report of Separation. The original separation report should be a notarized photocopy submitted to the University. Students should not submit the original. Students unable to locate the original separation report can request a copy from The National Personnel Records Center, Military Personnel Records, 9700 Page Boulevard, St. Louis, Missouri, 63132, and forward it with the covering form from the National Personnel Records Center to the University Members of the Reserves or National Guard should contact their units for any necessary documentation. Army personnel who entered active duty on or after October 1, 1981, or remained on active duty on or after January 1, 1984, are eligible for the Army/ACE Registry Transcript System (AARTS). AARTS will provide a transcript for any service school, MOS, or CLEP/DSSTs/ACT/PEP Exam that has been passed and carries American Council on Education credit recommendations. Transcripts may be ordered through the base Education Office or by writing to AARTS Operations Center, Fort Leavenworth, KS 66027-5073.

ARMY NATIONAL GUARD

The university is a partner with the Army National Guard Education Support Center. Army National Guard members may have their military education evaluated by contacting www.virtualarmory.com.

ARMY

The University will award credit for enlisted Military Occupational Specialty classification (MOS) on the basis of the composite MOS evaluation score of 70 or higher in accordance with the recommendations of the American Council on Education. Please note that the earliest date for enlisted MOS recommendations is October, 1973. One factor in the composite score was a written MOS test which was discontinued in December, 1976. Since January, 1977, the Army has been phasing in a new system of evaluating MOS proficiency, the Skill Qualifications Tests (SQTs). A score of 60 or above is required for granting credit. The appropriate document to verify the attainment of a composite score is USAEEC Form 10A Enlisted Evaluation Data Report. The alternative to the SQTs for the period after December, 1976, is the Enlisted Evaluation Report (EER) with a score of 120 or higher. Since 1988, the Army has been instituting a new EER that does not carry a score. Western Carolina University will accept a Satisfactory Rating on such EERs. Army personnel on Active Duty should request that their training office send a certified copy of the USAEEC Form 10A or EER to the University. Veterans should write to the National Personnel Records Center for a copy of USAEEC Form 10A. Many Warrant Officer MOSs have also been evaluated by ACE. Although a few warrant officers MOS recommendations are in effect from the 1940s and 1950s, most recommendations are in effect after 1960. Appropriate documentation to support the warrant officers MOS would be DA Form 2-1, Personnel Qualification Record or DA Form 66, Officer Qualification Record. Warrant Officers on active duty should provide a certified copy of either of these forms from their training office. Veterans should write to the National Personnel Records Center at the address above.
NAVY Rating

The American Council on Education has also evaluated various Navy Ratings. The earliest date for any of these recommendations is June, 1971. Appropriate verification can be found on DD 295, “Application for the Evaluation of Education Experiences During Military Service.” Active duty personnel should contact the Education Office to obtain a certified copy of that form. Veterans should write to the National Personnel Records Center at 9700 Page Boulevard, St. Louis, Missouri 63132. Separation Report (DD 214) may also be used for verification.

MARINE MOS

The American Council on Education has recently begun to review a limited number of Marine Corps MOSs for credit. To receive credit, all three levels of the MOS must have been completed. Students should submit the Individual Duty Area Qualification Summary Sheet (ITSS).

AIR FORCE

Students who served in the Air Force prior to 1972 should submit a notarized copy of the DD 214 or other appropriate service records showing training completed. Students who served after 1972 should request an Official Transcript from the Community College of the Air Force, Building 836, Maxwell Air Force Base, AL 36112-6655.

Please note: The forms mentioned above as the appropriate documentation for verifying the award of credit for service experiences may not be sufficient. Separation reports (DD 214s) often lack sufficient information to determine if a student is entitled to the credit recommended by ACE. The College may require additional documents such as orders, certificates, or training records.

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, Provost, advisor or athletic director, at least ten days in advance and give each student a copy of the approved request. Each student must give the request at least one class meeting prior to the day of the absence. The request should contain the name of the sponsor and group, the purpose, dates, location of the event, and time and the names of the participating students.
A student who misses an examination or quiz because of an approved absence is responsible for contacting the instructor within one class meeting after returning to make mutually satisfactory arrangements for a make-up. The instructor will provide a make-up if the student notifies the instructor of the approved absence at least one class meeting prior to date of absence. The student also is responsible for making up assignments and for knowing the material covered. The opportunity to make up work missed due to a prior-approved absence does not obligate the instructor to modify the announced class policy for counting absences. The University Sponsored Absence Form is found on the Registrar's and Office of Provost's webpage at www.wcu.edu/affairsweb/ (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 administered and completed 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. The student will sign the application after remaining requirements are specified.

At the beginning of the final semester, the application will be updated and signed by the advisor, signed and certified by the department head as fulfilling all requirements not including the final semester, and returned to the dean who will sign 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 Provost/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, and (3) elective courses. 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 (totaling at least 27 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 27-45 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 and cannot exceed 26 hours.

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.

Second Academic Concentration. A second academic concentration is an eighteen-hour course of study in an academic discipline required of education students enrolled in a B S Ed program in elementary, middle grades, or physical education. The concentration areas available are the following: anthropology, art, biology, cherokee, communication training and development, English, health promotion and wellness, history, mathematics, natural science, philosophy, political science, psychology, social sciences, 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.

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 Director of the Academic Advising Center (or designee) or the associate vice chancellor for academic affairs for liberal studies. Collegewide 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 Academic 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.

**Policy on Declaring a Major** Freshmen students are encouraged to declare a major at any time, but must declare a major prior to completion of forty-five (45) credit hours. Transfer students with forty-five (45) or more credit hours must declare a major prior to registration for their second semester. To encourage students to comply with the stated policy, a “hold” will be placed on registration until the student officially declares a major.

**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.

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 in the intended graduation semester or complete the form *Intend to Complete Degree Requirements at Another Institution* (www.wcu.edu/registrar/forms/students.asp).

6. To participate in a commencement ceremony, a student must be eligible for degree completion at the conclusion of that semester.

* See graduate catalog for graduate degree requirements.

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 First-Year Seminar in Liberal Studies, first-year students begin to experience intellectual life at the university level. 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. 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:

* See graduate catalog for graduate degree requirements.
THE CORE (21 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 111 - Stress Management for Health and Wellness (3)
   HEAL 123 - Health and Wellness (3)
   HSCC 101 - Nutrition, Fitness, and Wellness (3)

C5. Physical and Biological Sciences, 6 hours
   Students may take one of the following combinations of courses to satisfy this requirement:
   1. Two courses taken to meet the C5 requirement must be from two different disciplines.
   2. Other 100-200 level science courses from AST, BIOL, CHEM, ENVH, GEOL, NRM, and PHYS (with the exception of BIOL 132, CHEM 241, and courses numbered from 190-199) meet this requirement.
      - 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)

THE FIRST-YEAR SEMINAR (3 HOURS)

a. Students with 0-15 credit hours are required to take this course.
b. Students with 15 1 - 29 9 credit hours are eligible to take a First-Year Seminar, but it is not required.
c. Students with 30 or more credit hours are not eligible to take First-Year Seminar.
d. When a student is not required or ineligible to take the First-Year Seminar, it is considered waived, and the Liberal Studies hour requirement will be reduced from 42 to 39 (total hours for the degree are not reduced).
e. Grading for all First-Year Seminars shall be A, B, C or U ("unsatisfactory").
f. Those students receiving a “U” grade must take three credits of liberal studies electives to make up for the unearned credits from the First-Year Seminar.
ANTH 190 - Freshman Seminar The Human Condition (3)
BIOL 190 - Discoveries in Biology (3)
BIOL 192 - Plant Biodiversity (3)
BIOL 193 - Forensic Biology (3)
BIOL 194 - Biotechnology Methods, Applications, and Implications (3)
CHEM 190 - Chemistry in Industry (3)
CHEM 191 - Issues in Environmental Chemistry (3)
CHEM 192 - Human Gene Discovery Laboratory (3)
CHEM 193 - Chemistry in the Arts (3)
CHEM 194 - Forensic Chemistry (3)
CIS 195 - The Information Society at Work (3)
CJ 190 - Controversies in Criminal Justice (3)
CMCR 190 - A User's Guide to the Mass Media (3)
EDCI 191 - Teachers, Schools, and Society (3)
ENGL 190 - Freshman Seminar in Literature (3)
ENGL 191 - Freshman Seminar in Creative Writing (3)
ENGR 199 - Introduction to Engineering Practices and Principles I (3)
  (Engineering majors only)
ENVH 190 - From Black Death to Bioterrorism - The Public Health Solution (3)
ET 190 - Technology Systems (3)
GEOL 191 - Geology, Landscapes, and the Human Psyche (3)
GER 190 - Triumph and Tragedy Reflected in Modern German Film (3)
HIST 190 - Freshman Seminar (3)
HIST 191 - Freshman Seminar (3)
HSCC 191 - Does Inequality Make You Sick? (3)
JPN 190 - First Year Seminar An Introduction to Japanese Popular Culture (3)
LAW 195 - Contemporary Legal Issues (3)
MATH 190 - Mathematical Models of Population Growth (3)
MATH 191 - Mathematics in Social Choice and Decision-Making (3)
MATH 192 - Fractals The Geometry of Nature (3)
MUS 190 - First-Year Seminar (3)
ND 190 - Personal Nutrition (3)
PAR 190 - Freedom, Culture, and Utopia (3)
PSC 190 - Active Citizenship Making a Difference in Your Community (3)
PSY 190 - Freshman Seminar (3)
PT 190 - Caring for the Aging Population Challenges and Solutions (3)
SOC 190 - Freshman Seminar Social Institutions and Issues (3)
SPAN 190 - Celluloid and Paper Dreams Hispanic Literature and Film (3)

THE PERSPECTIVES (18 hours)
Includes Upper-Level Courses*

P1  Social Sciences, 6 hours Courses in two different disciplines are required

  ANTH 110 - Origins of Civilization (3)
  *ANTH 414 - Minority Groups (3)
  ASI 250 - Introduction to Appalachian Studies (3)
  BA 133 - Introduction to Business (3)
  *BIOL 334 - Biotechnology and Society (3)
  ECON 231 - Introductory Microeconomics and Social Issues (3)
  *FIN 350 - So You Want To Be A Millionaire (3)
  GEOG 101 - Population Geography (3)
  *HSCC 300 - Occupational Health (3)
  *HSCC 307 - Evaluating Health Claims Fact or Quack (3)
  LAW 105 - Introduction to Law (3)
  *LAW 406 - Media Law (3)
  *MKT 409 - Negotiations/Relationship Marketing (3)
  *PAR 313 - Philosophy of Law (3)
*PAR 332 - Biomedical Ethics and Social Justice (3)
*PAR 333 - Environmental Ethics (3)
*PAR 334 - Biotechnology and Society (3)
PSC 150 - American Government and Politics (3)
PSY 150 - General Psychology (3)
*PSY 331 - Human Sexuality (3)
*PSY 370 - Psychology and Law (3)
*PT 400 - Complimentary and Integrative Therapies (3)
*RTH 300 - Health and Healing - The Spirit-mind-body connection (3)
SOC 103 - Human Society (3)
SOC 235 - Social Problems (3)
*SOC 414 - Minority Groups (3)
SOCW 251 - Social Issues, Policy and Programs (3)
*SOCW 402 - Diversity in Contemporary Society (3)

**P2**

**Category Has Changed to Core 5 (Physical & Biological Sciences)**

**P3**

**History, 3 hours**

HIST 107 - World Cultures in Historical Perspective (307) (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 1517 (3)
HIST 222 - European History Since 1517 (3)
HIST 231 - American History to 1865 (3)
HIST 232 - American History Since 1865 (3)
*HIST 308 - Explorations in Regional History 3, R12
*HIST 311 - Ancient Greece and Rome (3)
*HIST 312 - The Heroic Age (3)
*HIST 313 - The High Middle Ages (3)
*HIST 317 - History of Twentieth-Century International Relations (3)
*HIST 322 - British History to 1603 (3)
*HIST 323 - British History Since 1603 (3)
*HIST 327 - Modern Russia (3)
*HIST 330 - Modern Germany (3)
*HIST 335 - History of Capitalism (3)
*HIST 341 - North Carolina History (3)
*HIST 361 - Latin American History I (3)
*HIST 362 - Latin American History II (3)
*HIST 373 - Modern Asia (3)
*HIST 375 - Middle East since Mohammed (3)
*MATH 301 - History of the Scientific Revolution (3)
PAR 106 - Western Religious Traditions (3)
PAR 210 - Origins of Early Christian Traditions (3)
*PAR 305 - Medieval and Reformation Theology Divine Foreknowledge, Free Will, and Justification by Faith (3)
*PAR 326 - Religion and Science God’s Law and the Laws of Nature (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 - The Interpretation of Literature (3)
ENGL 290 - Literature and the Sacred (3)
*ENGL 350 - The Renaissance (3)
*ENGL 351 - The Beats, Radicals, and Avant-Garde Literature (3)
*ENGL 352 - The Journey in Literature (3)
*ENGL 364 - Southern Literature (3)
*ENGL 367 - Appalachian Literature (3)
*ENGL 390 - The Bible as Literature (3)
HIST 171 - Religion in America (3)
HIST 175 - Native American Civilizations (3)
HIST 181 - Religion in Europe (3)
HIST 182 - The Ancient Empires (3)
HIST 185 - History of Death in Western Civilization (3)
LAW 201 - Individual Rights (3)
*LAW 306 - Women and the Law (3)
*LAW 412 - Business Ethics and Corporate Responsibility (3)
PAR 101 - Western Philosophical Traditions (3)
PAR 102 - Western Moral Traditions (3)
PAR 230 - Legal, Scientific, & Critical Reasoning (3)
*PAR 304 - Justice, Power and Human Nature in the Ancient Greek Polis (3)
*PAR 306 - Science, Reason, and Autonomy in the Enlightenment (3)
*PAR 307 - From Existentialism to Feminism (3)
*PAR 308 - From Pragmatism to Postmodernism (3)
*PAR 309 - Philosophy In and Of Film (3)
*PAR 312 - Philosophy of Religion (3)
*PAR 330 - America's Wilderness Ethics and Aesthetics (3)
*PAR 350 - Philosophical and Religious Classics (3)

Fine and Performing Arts, 3 hours

ART 104 - Introduction to the Visual Arts (3)
CMTA 104 - The Theatre Experience (3)
*CMTA 310 - Black Theatre Experience (3)
DA 259 - Dance Appreciation (3)
MUS 101 - Music Appreciation (3)
*MUS 304 - Jazz Appreciation (3)
*MUS 410 - History of American Musical Theatre (3)

World Cultures, 3 hours. (Satisfied if student passes MFL 101, 102, 110, 231, 232, 240, or 301) Only three of the six credit hours earned in CHIN, FREN, GER, SPAN 110 apply to P6 category The remainder apply to program, major or elective hours outside of Liberal Studies

ANTH 120 - Comparative Cultural Systems (3)
ART 202 - Art of World Cultures (3)
CHER 101 - Experiencing Cherokee and the Cherokee-Speaking World (3)
CHIN 231 - Intermediate Modern Chinese I 3
CHIN 232 - Intermediate Modern Chinese II 3
*CMHC 415 - Intercultural Communication (3)
ENGL 204 - The Literature of Culture (3)
*ENGL 366 - Literature of American Immigration (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)
*GEOG 440 - Regional Geography (3, R12)
GER 101 - Experiencing German and the German-Speaking World I (3)
GER 102 - Experiencing German and the German-Speaking World II (3)
GER 110 - Experiencing German and The German-Speaking World Accelerated (6)
HSCC 205 - Women's Health (3)
HSCC 210 - Global Disparities in Public Health 3
JPN 101 - Beginning Japanese I (3)
JPN 102 - Beginning Japanese II (3)
LAT 101 - Beginning Latin I (3)
LAT 102 - Beginning Latin II (3)
*MUS 303 - The World of Music (3)
ND 310 - Food, Nutrition, and Culture (3)
PAR 105 - Eastern Religious Traditions (3)
PAR 202 - What is Religion? (3)
PAR 211 - Understanding Islamic Traditions (3)
PAR 220 - Women and Religion (3)
*PAR 314 - Religion, Suffering, and the Moral Imagination (3)
*PAR 323 - Mysticism and the Modern Mind (3)
*PAR 324 - Contemporary Religious Classics (3)
*PAR 325 - Religion in Film (3)
*PAR 327 - Native American Religions (3)
PSC 110 - Global Issues (3)
*PSC 415 - Contemporary British Politics (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)

NOTE
A course approved as a Liberal Studies course may be used to meet a major requirement. However, when this happens the student and advisor need to check specifically to make sure the student will still be graduating with the total number of hours to graduate for the specific major program.

UPPER LEVEL PERSPECTIVES (3 HOURS) 300-400 LEVEL COURSES

*One course required in any Perspectives category outside the major

Students should not enroll in courses numbered above their class rank without permission of the department offering the course.

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 18 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 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, concentration, emphasis.]

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 Committee, based on university guidelines. Credit earned by examination and advanced placement may be applied toward fulfillment of Liberal Studies requirements.

Students who have completed the general education core (44 hours) or the Associate of Arts degree or the Associate of Science Degree in the North Carolina Community College System will have the Liberal Studies requirements waived. However, if a student has completed the Associate of Applied Science Degree in the North Carolina Community College System will have each course evaluated for transfer credit. When a transfer student has completed the General Education or Liberal Studies requirements of a public or private institution outside of the University of North Carolina system, the Associate Vice Chancellor of Academic Affairs, in consultation with the Liberal Studies Committee, will determine whether that institution's general education program is sufficiently similar to Western Carolina University's Liberal Studies program to warrant a blanket waiver of the 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, interinstitutional, 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), Education and Allied Professions (E&AP), and Kimmel School (KS).

<table>
<thead>
<tr>
<th>Undergraduate Major</th>
<th>College</th>
<th>Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>BUS</td>
<td>BSBA</td>
</tr>
<tr>
<td>Anthropology</td>
<td>A&amp;S</td>
<td>BA</td>
</tr>
<tr>
<td>Art</td>
<td>A&amp;S</td>
<td>B</td>
</tr>
<tr>
<td>Athletic Training</td>
<td>A&amp;S</td>
<td>B</td>
</tr>
<tr>
<td>Biology</td>
<td>E&amp;AP</td>
<td>BS Ed</td>
</tr>
<tr>
<td>Birth-Kindergarten</td>
<td>A&amp;S</td>
<td>B</td>
</tr>
<tr>
<td>Business Administration and Law</td>
<td>BUS</td>
<td>BSBA</td>
</tr>
<tr>
<td>Chemistry</td>
<td>A&amp;S</td>
<td>B</td>
</tr>
<tr>
<td>Clinical Laboratory Sciences</td>
<td>A&amp;S</td>
<td>B</td>
</tr>
<tr>
<td>Communication</td>
<td>A&amp;S</td>
<td>B</td>
</tr>
<tr>
<td>Communication Sciences and Disorders</td>
<td>E&amp;AP</td>
<td>BS Ed</td>
</tr>
<tr>
<td>Computer Information Systems</td>
<td>BUS</td>
<td>BSBA</td>
</tr>
<tr>
<td>Computer Science</td>
<td>A&amp;S</td>
<td>B</td>
</tr>
<tr>
<td>Construction Management</td>
<td>KS</td>
<td>B</td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>AS</td>
<td>BS Ed</td>
</tr>
<tr>
<td>Electrical and Computer Engineering Technology</td>
<td>KS</td>
<td>B</td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>E&amp;AP</td>
<td>BS Ed</td>
</tr>
<tr>
<td>Elementary Education</td>
<td>AS</td>
<td>BS</td>
</tr>
<tr>
<td>Emergency Management</td>
<td>AS</td>
<td>BS</td>
</tr>
<tr>
<td>Emergency Medical Care</td>
<td>KS</td>
<td>B</td>
</tr>
<tr>
<td>Engineering Technology</td>
<td>E&amp;AP</td>
<td>BS Ed</td>
</tr>
<tr>
<td>English</td>
<td>A&amp;S</td>
<td>BA</td>
</tr>
<tr>
<td>Entrepreneurship</td>
<td>E&amp;AP</td>
<td>BS Ed</td>
</tr>
<tr>
<td>Environmental Health</td>
<td>AS</td>
<td>BS</td>
</tr>
<tr>
<td>Environmental Sciences</td>
<td>A&amp;S</td>
<td>BS</td>
</tr>
<tr>
<td>Finance</td>
<td>BUS</td>
<td>BSBA</td>
</tr>
<tr>
<td>French (inactive status)</td>
<td>A&amp;S</td>
<td>B</td>
</tr>
<tr>
<td>Forensic Science</td>
<td>A&amp;S</td>
<td>BS</td>
</tr>
<tr>
<td>General Special Education</td>
<td>E&amp;AP</td>
<td>BS Ed</td>
</tr>
<tr>
<td>Geography (inactive status)</td>
<td>A&amp;S</td>
<td>B</td>
</tr>
<tr>
<td>Geology</td>
<td>A&amp;S</td>
<td>B</td>
</tr>
<tr>
<td>German</td>
<td>A&amp;S</td>
<td>B</td>
</tr>
<tr>
<td>Health Information Administration</td>
<td>E&amp;AP</td>
<td>BS Ed</td>
</tr>
<tr>
<td>History</td>
<td>A&amp;S</td>
<td>BA</td>
</tr>
<tr>
<td>Hospitality and Tourism</td>
<td>BUS</td>
<td>BS</td>
</tr>
</tbody>
</table>
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:

**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 University-Wide Curriculum Committee. The University Curriculum Committee should pay particular attention to the assessment component(s) of the proposed program and will approve or disapprove the special studies program.

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. Some summer programs are available through our overseas partners. Other summer abroad programs sponsored by Western Carolina University professors are handled by the Division of Continuing Education and Summer School.

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, and 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 the Provost and is organized into four academic departments (applied criminology, health sciences, nursing, and physical therapy).

Special Expenses Due to the nature of the clinical, laboratory and studio 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, criminal background checks required by clinical education facilities, software programs, 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.

Clinical Education and Criminal Background Checks

Accreditation standards for certain health care facilities require that criminal background and/or drug screening are conducted on students who participate in facility clinical education rotations. A student may be denied participation in a clinical education rotation if he/she has a positive drug screen or a record of any felony or misdemeanor conviction. A conviction involving alcohol or drug use, possession or distribution offenses, violence-related offenses, or the abuse/neglect of children or disabled adults may be a significant obstacle to successful completion of the academic program.

If a student is denied participation in a clinical education rotation based upon the results of a criminal background or drug screen, the student may be removed from the academic program, provided, however, that prior to removal the student is given the opportunity to appear before a review committee.

Admission to Health Sciences and Nursing Programs

Declaration of a major in the health sciences and nursing does not guarantee admission to the professional course 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 late fall semester of each year for potential admission in the fall of the next academic year.

Athletic Training Program

The Athletic Training program prepares students for careers as certified and licensed athletic trainers. Students graduating with a degree in Athletic Training may also pursue graduate studies in other health care professions such as physical therapy or medical school. Admission to the professional sequence requires completion of HSCC 150 with a grade of C+ or higher. Students must also complete a minimum of fifty (50) hours of Athletic Training observation at WCU or one of its approved affiliate clinical sites under the direct supervision of an Approved Clinical Instructor. A minimum GPA of 2.75 is required. Students enrolled in the Athletic Training program must meet the Technical Standards as outlined on the Athletic Training Web Site. Completed applications must be received in the program office by April 15 of each year for entry the following August. Early decision...
applications must be received by December 15 of each year, also for entry the following
August. Application to the program does not assure acceptance. Students admitted to the
professional sequence must earn a grade of C+ (2.33) or better in each ATTR course in the
major and must maintain an overall GPA of 2.75 and a major GPA of 2.75 to remain in the
program. Transfer students and WCU varsity athletes should contact the program director for
program information. For more specific and up-to-date information regarding the program,
please refer to the Athletic Training program website linked from the Department of Health
Sciences.

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.

The Clinical Laboratory Sciences at Western Carolina University is accredited by the National
Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 8410 W Bryn Mawr
Avenue, #670, Chicago, Illinois 60631. Phone 773-714-8880 or www.naacls.org

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
nonscience 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 Administration. Students may apply to the program after or while
completing a minimum of 60 semester hours including all liberal studies and pre-professional
courses with a 2.0 GPA. Application does not assure acceptance. In order to remain in
the program, students must earn a grade of C (2.0) or above in each professional course
(HSCC and HIA prefixes). The Health Information Administration program is accredited
by the Commission on Accreditation for Health Informatics and Information Management
Education (CAHIIM). HIA graduates are eligible to take the national certification examination.
Successful completers of the exam earn the Registered Health Information Administrator
(RHIA) credential.

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. Having a verification statement is not a guarantee that you will be accepted into an internship. 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 CMPM 404 or ENGL 304. 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.

Certificate in Gerontology
The gerontology certificate will be awarded upon the completion of the following hours:

The certificate requires 18 hours, GERN 210 and 498, as well as an additional 12 hours credit selected from PSY 325, 327, 426, SOCW 329, RTH 360, GERN 493, 480 or other courses as approved by the gerontology advisor.

Minor in Gerontology
The minor requires 18 hours, GERN 310 and 498 are required. The additional 12 credit hours to be selected from PSY 325, 327, 426, SOCW 329, RTH 360, GERN 493, 480 or other courses as approved by the gerontology advisor.

Minor in Clinical Forensics
The minor requires 18 hours, including ANTH 251, CJ 290, and CLS 315. Other courses that may be used as electives include ANTH 364, CJ 323, CLS 304, CLS 306, and ENVH 375.

DEPARTMENT OF APPLIED CRIMINOLOGY

Vacant, head
L Briggs, E Davis, F Hawley, K Mason, C Merritt, L B Myers, L J Myers, R Toth

MAJOR IN CRIMINAL JUSTICE, BS DEGREE

Liberal Studies, 42 hours

The major requires 48 hours as follows:

- CJ 250 - The Criminal Justice System, 3 hours
- CJ 300 - Research Methods and Writings, 3 hours
- CJ 320 - Police in Society, 3 hours
- CJ 330 - Criminal Courts, 3 hours
- CJ 340 - Institutional Corrections, 3 hours
- CJ 370 - Ethics in Criminal Justice, 3 hours
- CJ 455 - Theories of Crime, 3 hours
- CJ 495 - Senior Seminar, 3 hours
Criminal Justice upper division electives, 24 hours, with no more than 3 credits from CJ 480 and no more than 6 hours from CJ 483.

General electives (30 hours) are required to complete the program.

**CURRICULUM GUIDE FOR CRIMINAL JUSTICE (B.S.)**

**FRESHMAN YEAR**

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**SOPHOMORE YEAR**

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<td><strong>CJ 330 - Criminal Courts</strong></td>
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**JUNIOR YEAR**

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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

**SENIOR YEAR**

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Students may finish earlier if they attend summer school at WCU or another approved institution. Remember 32 hours of 300-400 level courses must be taken at WCU.
MAJOR IN EMERGENCY MANAGEMENT, B.S DEGREE

Liberal Studies, 42 hours

The major requires 51 hours as follows

CMCR 250 - Public Communication, 3 hours
CMPR 400 - Crisis Communications, 3 hours
EMC 445 - EMC Systems Management, 3 hours
EMGT 250 - Introduction to Emergency Management, 3 hours
EMGT 324 - Emergency Preparedness, 3 hours
EMGT 326 - Risk Assessment and Hazard Mitigation, 3 hours
EMGT 340 - Political and Policy Basis of Emergency Management, 3 hours
PSC 303 - State and Local Government, 3 hours
PSC 304 - Public Administration, 3 hours
EMGT and other approved upper-division electives, 21 hours

General electives (27 hours) are required to complete the program

CURRICULUM GUIDE FOR EMERGENCY MANAGEMENT (B.S.)

FRESHMAN YEAR

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SOPHOMORE YEAR

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JUNIOR YEAR

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### FALL SEMESTER

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**Total Hours for Degree 120**

### NOTES
1. Denotes course has not yet been formally approved, but paperwork has been submitted.
2. In order to earn a degree in Emergency Management, students must earn a grade of “C” or better in each required course.
3. Students seeking to pursue a Master’s Degree in Public Administration at Appalachian State University, with a concentration in Emergency Management, must successfully complete MATH 170 or equivalent as an undergraduate course.

### Minor in Criminal Justice
The minor requires 18 hours, including CJ 250 and 15 hours of electives approved by the department head.

### Minor in Emergency Management
The minor requires 18 hours, including EMT 250, EMGT 324 and EMGT 340, and 9 hours selected from the following courses: EMGT 326, 332, 340, 351, 448, 480, 493, EMC 445, PSC 303, 304, CMPR 400, ENVH 380, PSC 303, PSC 304 or approval by the department head.

### DEPARTMENT OF HEALTH SCIENCES
*Phil Kneller, acting head*

### MAJOR IN ATHLETIC TRAINING, BS DEGREE

#### Liberal Studies Hours 42

The major requires 72 hours as follows:

- ATTR 210 - Clinical Anatomy & Biomechanics, 4 hours
- ATTR 221 - Therapeutic Modalities I, 1 hour
- ATTR 222 - Therapeutic Modalities II, 1 hour
- ATTR 283 - Clinical Education I, 1 hour
- ATTR 284 - Clinical Education II, 1 hour
- ATTR 323 - Therapeutic Modalities III, 1 hour
- ATTR 324 - Therapeutic Modalities IV, 1 hour
- ATTR 330 - Clinical Measures for the Lower Extremity, 2 hours
- ATTR 340 - Clinical Measures for the Upper Extremity, 2 hours
- ATTR 350 - Analysis of Dysfunction of the Lower Extremity, 3 hours
- ATTR 360 - Analysis of Dysfunction of the Upper Extremity, 3 hours
- ATTR 365 - Physiology and Pathology, 3 hours
- ATTR 370 - Evaluation and Treatment of the Spine, 3 hours
- ATTR 375 - Therapeutic Exercise, 4 hours
- ATTR 377 - Strength & Conditioning, 1 hour
- ATTR 383 - Clinical Education III, 3 hours
- ATTR 384 - Clinical Education IV, 3 hours
- ATTR 410 - Organization and Administration in Athletic Training, 3 hours
### CURRICULUM GUIDE FOR ATHLETIC TRAINING (B.S.)

#### FRESHMAN YEAR

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ATTR 483 Clinical Education V 3
HSCC 370 Intro to Pharmacology 2

Total hours: 123 hours
Liberal Studies 42 hours
Major in Athletic Training: 72 hours
Electives 9 hours
Suggested Electives

HSCC 110 - e-Health Computer Applications, 3 hours
HSCC 220 - Medical Terminology, 3 hours
HSCC 300 - Occupational Health, 3 hours
HSCC 311 - Systems and Trends in Health Care Delivery, 3 hours
HSCC 320 - Human Resource Management in Health Care Agencies, 3 hours
HSCC 330 - Legal and Legislative Aspects of Health Care, 1-3 hours
HSCC 440 - Quality Management in Health Care Agencies, 3 hours
HSCC 450 - Financial Management in Health Care, 3 hours
HSCC 470 - Research Methodology and Analysis in Health Science, 2 hours
HSCC 471 - Research Project, 1 hour

MAJOR IN CLINICAL LABORATORY SCIENCES, B.S. DEGREE

The major requires 72 hours as follows

BIOL 293 - Human Physiology for Health Science Majors, 4 hours
CHEM 140 - Advanced General Chemistry, 4 hours
CHEM 241 - Organic Chemistry I, 3 hours
CHEM 242 - Organic Chemistry II, 3 hours
CHEM 361 - Principles of Biochemistry, 3 hours
CLS 300 - Microscopy/Phlebotomy, 1 hour
CLS 301 - Analysis of Body Fluids, 3 hours
CLS 303 - Hematology/Hemostasis I, 3 hours
CLS 304 - Immunology, 3 hours
CLS 306 - Immunohematology, 3 hours
CLS 308 - Hematology/Hemostasis II, 3 hours
CLS 309 - Clinical Biochemistry, 3 hours
CLS 311 - Clinical Microbiology I, 4 hours
CLS 312 - Clinical Microbiology II, 3 hours
CLS 485 - Clinical Practicum in Urinalysis, 2 hours
CLS 486 - Clinical Practicum in Hematology, 3-5 hours
CLS 487 - Clinical Practicum in Blood Banking and Serology, 3-5 hours
CLS 488 - Clinical Practicum in Microbiology, 3-5 hours
CLS 489 - Clinical Practicum in Clinical Chemistry, 3-5 hours
HSCC 310 - Principles of Clinical Precepting, 1 hour
HSCC 320 - Human Resource Management in Health Care Agencies, 3 hours
MATH 130 - College Algebra, 3 hours

General electives, 15 hours
### FRESHMAN YEAR

<table>
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<th>FALL SEMESTER Course and Number</th>
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### SOPHOMORE YEAR

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One of the Perspectives in the Sophomore year needs to be Upper level

### JUNIOR YEAR

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<td>CLS 303 Basic Hematology</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier

### SENIOR YEAR

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<td>CLS 480 Independent Study (elective)</td>
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Total Hours for Degree 120

### MAJOR IN EMERGENCY MEDICAL CARE, B.S DEGREE

Liberal Studies Hours 42

The major requires 77-78 hours as follows

*BIOL 291 - Human Anatomy and Physiology, 4 hours
*BIOL 292 - Human Anatomy and Physiology, 4 hours
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<th>Hrs</th>
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<td>SPRING SEMESTER</td>
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<td>MATH 130 College Algebra</td>
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<td>PHYS 131 Introductory Physics I</td>
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*CHEM 132 - Survey of Chemistry I, 4 hours
*CHEM 133 - Survey of Chemistry II, 4 hours

or

*CHEM 140 - Advanced General Chemistry, 4 hours and *CHEM 241 - Organic Chemistry I, 3 hours

Credit to be completed before the junior year

Concentration selected from

Science, 17 hours HSCC 470, PHYS 130, 131, CHEM 242, 272, plus 2 hours from BIOL courses, CHEM courses, and ENVH 470

Health Management, 17 hours HSCC 311, 318, 450, 470, plus 6 hours from ACCT 161, ECON 231, EMC 445, HSCC 320, 440, 471, MATH 170, MGT 304, MGT 306

General electives (7-8 hours)

CURRICULUM GUIDE FOR EMERGENCY MEDICAL CARE, SCIENCE CONCENTRATION (B S.)

FRESHMAN YEAR

**CHEM 132 - Survey of Chemistry I, 4 hours**
**CHEM 133 - Survey of Chemistry II, 4 hours**

or

**CHEM 140 - Advanced General Chemistry, 4 hours and CHEM 241 - Organic Chemistry I, 3 hours**

**EMC 340 - Introduction to Clinical Medicine, 3 hours**
**EMC 340 - Introduction to Clinical Medicine Lab, 1 hour**

**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, 2 hours**

**EMC 410 - Trauma Management Laboratory, 1 hour**

**EMC 420 - Maternal and Child Emergency Care, 3 hours**

**EMC 430 - Special Needs Patients, 1 hour**

**EMC 451 - Advanced ECG Interpretation, 1 hour**

**EMC 452 - Advanced Cardiac Life Support, 1 hour**

**EMC 461 - Simulation Laboratory, 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 240 - Introduction to Emergency Medical Care, 3 hours**

**HSCC 241 - Basic Emergency Medical Techniques, 3 hours**

**HSCC 330 - Legal and Legislative Aspects of Health Care, 3 hours**

**HSCC 370 - Introduction to Pharmacology, 2 hours**

**HSCC 371 - Pharmacology Techniques, 1 hour**

**PSY 460 - Crisis Intervention Credits (1)**

*courses to be completed before the junior year

Concentration selected from

**Science, 17 hours** HSCC 470, PHYS 130, 131, CHEM 242, 272, plus 2 hours from BIOL courses, CHEM courses, and ENVH 470

**Health Management, 17 hours** HSCC 311, 318, 450, 470, plus 6 hours from ACCT 161, ECON 231, EMC 445, HSCC 320, 440, 471, MATH 170, MGT 304, MGT 306

**General electives (7-8 hours)**

**CURRICULUM GUIDE FOR EMERGENCY MEDICAL CARE, SCIENCE CONCENTRATION (B S.)**

**FRESHMAN YEAR**

**190 series First Year Seminar**

**JS 101 Jumpstart**

**CHEM 140 Advanced General Chem**

**ENGL 101 Composition I**

**MATH 130 College Algebra**

**PHYS 130 Introductory Physics I**

**17**
### Sophomore Year

<table>
<thead>
<tr>
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### Junior Year

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<td>HSCC 370 Intro to Pharmacology 2</td>
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After earning ninety hours, the student must file an application form with the after paying a $30 graduation fee to the University Cashier.

### Senior Year

<table>
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<td>EMCC 430 Special Needs Patients 1</td>
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<td>EMCC 420 Mat-Child Emer Care 3</td>
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<td>EMCC 452 Adv Cardiac Life Support 1</td>
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<td>EMCC 451 Advanced ECG Inter 1</td>
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Total Hours for Degree 128

Students may finish earlier if they attend summer school at WCU or another approved institution.

### Curriculum Guide for Emergency Medical Care, Management Concentration (B.S.)

#### Freshman Year

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<td>HEAL or HSCC 123/101 Wellness 3</td>
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<td>JS 101 Jumpstart 3</td>
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<td>CHEM 133 Survey of Chemistry II 4</td>
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<td>CHEM 132 Introductory Chemistry 4</td>
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*p General Elective*
## SOPHOMORE YEAR

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## JUNIOR YEAR

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<th>SPRING SEMESTER</th>
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## SENIOR YEAR

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<th>SPRING SEMESTER</th>
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After earning ninety hours, the student must file an application form with the after paying a $30 graduation fee to the University Cashier.

## MAJOR IN ENVIRONMENTAL HEALTH, B.S. DEGREE

- Liberal Studies Hours: 42

The major requires 78 hours as follows:

- BIOL 293 - Human Physiology for Health Science Majors, 4 hours
- BIOL 413 - Principles of General Microbiology, 3 hours
- BIOL 414 - Methods of General Microbiology, 2 hours
- CHEM 132 - Survey of Chemistry I, 4 hours
- CHEM 133 - Survey of Chemistry II, 4 hours
- CHEM 330 - Aquatic Chemistry, 3 hours
- ENVH 230 - Introduction to Environmental Health Science, 3 hours
- ENVH 310 - Water Quality Control, 4 hours

Total Hours for Degree: 128

Students may finish earlier if they attend summer school at WCU or another approved institution.
110

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 440 - Air Quality Control, 4 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
MATH 130 - College Algebra, 3 hours
MATH 145 - Trigonometry, 3 hours
MATH 170 - Applied Statistics, 3 hours or PSY 251 Research Methods I Statistics, 3 hours
PHYS 105 - Contemporary Physics, 3 hours (Exclusive of liberal studies)

Designated emphasis area (9 hours) in industrial safety, public health, water quality, chemistry, environmental protection, or natural resources management are required.

General electives (8 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.

CURRICULUM GUIDE FOR ENVIRONMENTAL HEALTH (B.S.)

FRESHMAN YEAR

FALL SEMESTER
Course and Number Hrs Course and Number Hrs.
P1 Social Sciences 3 P1 Social Sciences 3
P3 History 3 CMHC 201 Communication 3
190 series First Year Seminar 3 ENGL 102 Composition II 3
JS 101 Jumpstart 0 MATH 145 Trigonometry 3
ENGL 101 Composition I 3 PHYS 105 Contemporary Physics 3
MATH 130 College Algebra 3
15

SPRING SEMESTER
Course and Number Hrs Course and Number Hrs.
P1 Social Sciences 3 P1 Social Sciences 3
P3 History 3 CMHC 201 Communication 3
ENGL 102 Composition II 3 MATH 145 Trigonometry 3
MATH 105 Contemporary Physics 3

SOPHOMORE YEAR

FALL SEMESTER
Course and Number Hrs Course and Number Hrs.
P6 World Cultures 3 P5 Fine & Performing Arts 3
P4 Humanities 3 LS 3
CHEM 132 Survey of Chemistry I 4 BIOL 292 Human Physiology 4
ENRH 230 Int to Env Hlth Sci 3 CHEM 133 Survey of Chemistry II 4
HEAL or HSCC 123/101 Wellness 3 MATH 170 or PSY 251 Statistics 3
16

SPRING SEMESTER
Course and Number Hrs Course and Number Hrs.
P6 World Cultures 3 P5 Fine & Performing Arts 3
P4 Humanities 3 LS 3
CHEM 132 Survey of Chemistry I 4 BIOL 292 Human Physiology 4
ENRH 230 Int to Env Hlth Sci 3 CHEM 133 Survey of Chemistry II 4
HEAL or HSCC 123/101 Wellness 3 MATH 170 or PSY 251 Statistics 3
17

JUNIOR YEAR

FALL SEMESTER
Course and Number Hrs Course and Number Hrs.
P1-P6 Jr-Sr 3 Emphasis Area 3
BIOL 413 General Microbiology 3 General Elective 3
BIOL 414 Microbiology Lab 2 ENVH 330 Food Protect & Sanit 4
CHEM 330 Aquatic Chemistry 3 ENVH 375 Environmental Toxicology 3
ENVH 310 Water Quality Control 4 GEOG 305 Soils and Hydrology 4
15

SPRING SEMESTER
Course and Number Hrs Course and Number Hrs.
P1-P6 Jr-Sr 3 Emphasis Area 3
BIOL 413 General Microbiology 3 General Elective 3
BIOL 414 Microbiology Lab 2 ENVH 330 Food Protect & Sanit 4
CHEM 330 Aquatic Chemistry 3 ENVH 375 Environmental Toxicology 3
ENVH 310 Water Quality Control 4 GEOG 305 Soils and Hydrology 4
17

After earning ninety hours, the student must file an application form with the after paying a $30 graduation fee to the University Cashier.
SUMMER SCHOOL I  
Course and Number  
ENVH 483  Envir Health Intern  
Hrs.  Course and Number  Hrs  
3  
3  
JUNIOR YEAR  
FALL SEMESTER  
Course and Number  
Emphasis Area  
General Elective  
ENVH 440  Air Quality Control  
ENVH 458  Environ Reg & Law  
ENVH 460  Senior Seminar  
HSCC 320  HR Mgt in Hlth  
Hrs.  Course and Number  Hrs  
3  Emphasis Areas  
2  General Elective  
4  LS  
3  ENVH 457  Industrial Hygiene  
1  ENVH 470  Principles of Epidemiology  
3  
16  
SENIOR YEAR  
SPRING SEMESTER  
Course and Number  
Emphasis Area  
General Elective  
ENVH 457  Industrial Hygiene  
ENVH 470  Principles of Epidemiology  
Hrs.  Course and Number  Hrs  
3  
3  
Total Hours for Degree. 128  
MAJOR IN HEALTH INFORMATION ADMINISTRATION, B.S. DEGREE  
Liberal Studies Hours  42  
The major requires 71 hours as follows  
BIOL 291 - Human Anatomy and Physiology I, 4 hours  
BIOL 292 - Human Anatomy and Physiology II, 4 hours  
CIS 251 - Management Information Systems, 3 hours  
HIA 310 - Introduction to Health Information Administration, 2 hours  
HIA 312 - Coding and Classification Systems, 4 hours  
HIA 314 - Record Systems and Standards, 3 hours  
HIA 326 - Principles of Disease, 4 hours  
HIA 410 - Health Care Statistics and Registries, 3 hours  
HIA 412 - Health Care Reimbursement, 3 hours  
HIA 418 - Organization Administration, 3 hours  
HIA 420 - Health Care Informatics, 3 hours  
HIA 483 - Professional Practice Experience I, 2 hours  
HIA 484 - Professional Practice Experience II, 1 hour  
HIA 485 - Professional Practice Experience III, 3 hours  
HIA 495 - Seminar in Health Information Administration, 3 hours  
HSCC 110 - e-Health Computer Applications, 3 hours  
HSCC 220 - Medical Terminology, 3 hours  
HSCC 311 - Systems and Trends in Health Care Delivery, 3 hours  
HSCC 318 - Department Administration, 3 hours  
HSCC 320 - Human Resource Management in Health Care Agencies, 3 hours  
HSCC 330 - Legal and Legislative Aspects of Health Care, 1-3 hours  
HSCC 440 - Quality Management in Health Care Agencies, 3 hours  
HSCC 450 - Financial Management in Health Care, 3 hours  
HSCC 470 - Research Methodology and Analysis in Health Science, 2 hours  
Electives (9 hours) are required to complete the program  
BIOL 291 (4) may be used to meet liberal studies requirements  
Students using this option will need 3 hours of additional electives to complete the 122 hour program  

### Freshman Year

#### Fall Semester
<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs</th>
<th>Course and Number</th>
<th>Hrs</th>
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</thead>
<tbody>
<tr>
<td>First Year Seminar</td>
<td>3</td>
<td>C5 Core Science</td>
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<tr>
<td>P Perspective</td>
<td>3</td>
<td>P Perspective</td>
<td>3</td>
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<tr>
<td>C1 ENGL 101</td>
<td>3</td>
<td>C1 ENGL 102</td>
<td>3</td>
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<tr>
<td>C4 HEAL or HSCC 123/101 Wellness</td>
<td>3</td>
<td>M HSCC 220 Medical Terminology</td>
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### Spring Semester

<table>
<thead>
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<th>Hrs</th>
<th>Course and Number</th>
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<tr>
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<tr>
<td>ENGL 101 Composition I</td>
<td>3</td>
<td>ENGL 102 Composition II</td>
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<td>HSCC 123/101 Wellness</td>
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<td>HSCC 220 Medical Terminology</td>
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#### Sophomore Year

#### Fall Semester
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<tbody>
<tr>
<td>Core Science</td>
<td>3</td>
<td>Core Math</td>
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<tr>
<td>Perspective</td>
<td>3</td>
<td>E Elective</td>
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<tr>
<td>BIOL 291 Anatomy and Physiology</td>
<td>4</td>
<td>BIOL 292 Anatomy and Physiology</td>
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<tr>
<td>HSCC 110 HC Applications</td>
<td>3</td>
<td>CIS 251 Mgmt Inf Sys</td>
<td>3</td>
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<td>HSCC 311 HC Del Systems</td>
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<td>CMHC 201 Communication</td>
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### Spring Semester

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<th>Hrs</th>
<th>Course and Number</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>Perspective</td>
<td>3</td>
<td>Perspective</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 291 Anatomy and Physiology</td>
<td>4</td>
<td>BIOL 292 Anatomy and Physiology</td>
<td>4</td>
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<tr>
<td>HIA 310 Intro to HIM</td>
<td>2</td>
<td>HIA 312 Coding &amp; Class Systems</td>
<td>4</td>
</tr>
<tr>
<td>HIA 326 Principles of Disease</td>
<td>4</td>
<td>HIA 314 Record Sys</td>
<td>3</td>
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<tr>
<td>HSCC 318 Department Adm</td>
<td>3</td>
<td>HSCC 330 Legal &amp; Legis</td>
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<tr>
<td>HSCC 320 HR in HC</td>
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<td>HSCC 450 Fin Mgmt HC</td>
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#### Junior Year

#### Fall Semester
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<tr>
<td>Perspective</td>
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<td>E Elective</td>
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</tr>
<tr>
<td>M HIA 310 Intro to HIM</td>
<td>2</td>
<td>M HIA 312 Coding &amp; Class Systems</td>
<td>4</td>
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<tr>
<td>M HIA 326 Principles of Disease</td>
<td>4</td>
<td>M HIA 314 Record Sys</td>
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</tr>
<tr>
<td>M HSCC 318 Department Adm</td>
<td>3</td>
<td>M HSCC 330 Legal &amp; Legis</td>
<td>3</td>
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<tr>
<td>M HSCC 320 HR in HC</td>
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<td>M HSCC 450 Fin Mgmt HC</td>
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### Spring Semester

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<tr>
<th>Course and Number</th>
<th>Hrs</th>
<th>Course and Number</th>
<th>Hrs</th>
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</thead>
<tbody>
<tr>
<td>E Elective</td>
<td>3</td>
<td>M HIA 418 Org Administration</td>
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<tr>
<td>M HIA 410 HC Stats and Registries</td>
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<td>M HIA 484 PPE II</td>
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<tr>
<td>M HIA 412 HC Reimbursement</td>
<td>3</td>
<td>M HIA 485 PPE III</td>
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<tr>
<td>M HIA 420 HC Informatics</td>
<td>3</td>
<td>M HIA 495 Seminar in HIA</td>
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<tr>
<td>M HSCC 470 Research</td>
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<td>M HSCC 440 Quality Mgmt</td>
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#### Mini-Mester

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<tbody>
<tr>
<td>HIA 483 PPE I</td>
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#### Senior Year

#### Fall Semester
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<th>Course and Number</th>
<th>Hrs</th>
<th>Course and Number</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>E Elective</td>
<td>3</td>
<td>M HIA 418 Org Administration</td>
<td>3</td>
</tr>
<tr>
<td>M HIA 410 HC Stats and Registries</td>
<td>3</td>
<td>M HIA 484 PPE II</td>
<td>1</td>
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<tr>
<td>M HIA 412 HC Reimbursement</td>
<td>3</td>
<td>M HIA 485 PPE III</td>
<td>3</td>
</tr>
<tr>
<td>M HIA 420 HC Informatics</td>
<td>3</td>
<td>M HIA 495 Seminar in HIA</td>
<td>3</td>
</tr>
<tr>
<td>M HSCC 470 Research</td>
<td>2</td>
<td>M HSCC 440 Quality Mgmt</td>
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#### Spring Semester

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs</th>
<th>Course and Number</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>M HIA 418 Org Administration</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>M HIA 484 PPE II</td>
<td>1</td>
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<td></td>
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<tr>
<td>M HIA 485 PPE III</td>
<td>3</td>
<td></td>
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</tr>
<tr>
<td>M HIA 495 Seminar in HIA</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M HSCC 440 Quality Mgmt</td>
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</table>

First Year Seminar 3
LS Core 21
LS Perspectives 18
Major requirements 71
General electives 9
BIOL 291 may be used to meet LS requirements. Students using this option will need 3 hours of additional electives to complete this program
M= HIA major requirements
Total hours for graduation: 122
**MAJOR IN NUTRITION AND DIETETICS, B.S. DEGREE**

Liberal Studies Hours: 42

The major requires 67 hours as follows:

- **BIOL 293** - Human Physiology for Health Science, 4 hours
- **BIOL 313 or HSCC 260** - Microbiology in Health and Nutrition or Etiology of Infectious Diseases, 3 hours
- **CHEM 132** - Survey of Chemistry I, 4 hours
- **CHEM 133** - Survey of Chemistry II, 4 hours
- **HSCC 318** - Department Administration, 3 hours
- **HSCC 450** - Financial Management in Health Care, 3 hours
- **ND 231** - Food Science, 4 hours
- **ND 239** - Dietetics as a Profession, 1 hour
- **ND 330** - Human Nutritional Needs, 3 hours
- **ND 333** - Quantity Food Production, 3 hours
- **ND 334** - Nutritional Applications, 3 hours
- **ND 335** - Nutrition Through the Life Cycle, 3 hours
- **ND 340** - Community Nutrition, 3 hours
- **ND 432** - Institutional Food Systems, 3 hours
- **ND 433 or HSCC 470/471** - Research Methods in Nutrition, 3 hours or Research Methods and Analysis in Health Science, 2 hours and Research Project, 1 hour
- **ND 439** - Introduction to Professional Practice, 1 hour
- **ND 441** - Human Metabolism I, 3 hours
- **ND 442** - Human Metabolism II, 3 hours
- **ND 451** - Therapeutic Nutrition I, 3 hours
- **ND 452** - Therapeutic Nutrition II, 3 hours
- **ND 453** - Therapeutic Nutrition Laboratory, 1 hour
- **PSY 150** - General Psychology, 3 hours
- **MATH 170 or PSY 251** - Applied Statistics or Research Methods I Statistics, 3 hours

General electives (11 hours) are required to complete the program.

**CURRICULUM GUIDE FOR NUTRITION AND DIETETICS, (B.S )**

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>Hrs</th>
<th>SPRING SEMESTER</th>
<th>Course and Number</th>
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<tr>
<td>190 Series First Year Seminar</td>
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<td>CHEM 133 Survey of Chemistry II</td>
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<tr>
<td>P4 Humanities</td>
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<td>CMHC 201 Communication</td>
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<td>3</td>
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<tr>
<td>JS 101 Jumpstart</td>
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<td>ENGL 102 - Composition I</td>
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<tr>
<td>CHEM 132 Survey of Chemistry</td>
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<td>2MATH 170 Applied Statistics</td>
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<tr>
<td>ENGL 101 Composition I</td>
<td></td>
<td>3</td>
<td>PSY 150 General Psychology</td>
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<tr>
<td>C4 HEAL or HSCC 123/101 Wellness</td>
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**SOPHOMORE YEAR**

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>Hrs</th>
<th>SPRING SEMESTER</th>
<th>Course and Number</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>P1 Social Sciences</td>
<td></td>
<td>3</td>
<td>General Electives</td>
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<tr>
<td>P3 History</td>
<td></td>
<td>3</td>
<td>BIOL 293 Hum Phys for Hlth Sci Mjrs</td>
<td></td>
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<tr>
<td>P5 Fine &amp; Performing Arts</td>
<td></td>
<td>3</td>
<td>ND 330 Human Nutritional Needs</td>
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<tr>
<td>P6 World Cultures</td>
<td></td>
<td>3</td>
<td></td>
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<tr>
<td>HSCC 260 or BIOL 313</td>
<td></td>
<td>3</td>
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<tr>
<td>Microbiology/Etiology</td>
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<td>ND 239 Dietetics as a Profession</td>
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</table>
After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

Total Hours for Degree 120

CHEM 132 and BIOL 292 fulfill C5 category, and hours count toward both Liberal Studies and Major hours.

MATH 170 fulfills C2 category and hours count toward the 42 hours in Liberal Studies.

Students may finish earlier if they attend summer school at WCU or another approved institution.

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 NURSING

Vincent P. Hall, head


MAJOR IN NURSING, B.S.N. DEGREE/BASIC CURRICULUM OPTION

Liberal Studies Hours 42

The major requires 77 hours as follows:

- BIOL 291 - Human Anatomy and Physiology, 4 hours
- BIOL 292 - Human Anatomy and Physiology, 4 hours
- CHEM 133 - Survey of Chemistry II, 4 hours
- CHEM 132 - Survey of Chemistry I, 4 hours or CHEM 140 - Advanced General Chemistry, 4 hours
- HSCC 260 - Etiology of Infectious Diseases, 3 hours
CURRICULUM GUIDE FOR NURSING (B.S.N. DEGREE) BASIC CURRICULUM OPTION

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
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<tbody>
<tr>
<td>Course and Number</td>
<td>Hrs</td>
</tr>
<tr>
<td>Elective (such as PE)</td>
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<tr>
<td>First Year Seminar</td>
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<tr>
<td>**CHEM 132 - Survey of Chemistry I</td>
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<td>ENGL 101 Composition I</td>
<td>3</td>
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<tr>
<td>HEAL 123 Health and Wellness</td>
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<td>MATH 101 Mathematical Concepts</td>
<td>3</td>
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* FYS required for students entering WCU with 0-15 hours, otherwise 3 hours Liberal Studies course in core or perspectives must be taken
** Major requirement and meets C5 requirement but 6 elective hours needed to replace C5 hours
*** Major requirement and meets one P1 requirement but is not counted in Perspective hours, P1 requirements must be taken in two different disciplines

SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
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<tbody>
<tr>
<td>Course and Number</td>
<td>Hrs</td>
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<tr>
<td>Electives</td>
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<td>P5 Perspective Fine &amp; Perf Arts</td>
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<tr>
<td>**BIOL 291 Anatomy and Physiology</td>
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<td>CMHC 201 Communication</td>
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<td>16-17</td>
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</table>

*Major requirement
**Major requirement, may be taken in spring of sophomore year or summer

SUMMER I

| Course and Number | Hrs. | Course and Number | Hrs |
| NSG 340 Basic Nursing Skills | 3 | | 3 |

*Major requirement, taken in summer if not in spring of sophomore year
JUNIOR YEAR

SUMMER SESSION I

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
<th>SUMMER SESSION II</th>
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<tbody>
<tr>
<td>NSG 341 Nursing Pharmacotherap I</td>
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<td>Electives</td>
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<tr>
<td>NSG 350 Dimen of Prof Nursing</td>
<td>2</td>
<td>ND 338 Normal &amp; Therap Nutrition 3</td>
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<tr>
<td>NSG 353 Nursing Science I</td>
<td>5</td>
<td>NSG 342 Nursing Pharmacotherap II 1</td>
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<tr>
<td>NSG 383 Clinical Practicum I</td>
<td>4</td>
<td>NSG 357 Nursing Science II 4</td>
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<tr>
<td>ULP (300-400 level course)</td>
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<td>NSG 387 Clinical Practicum II 4</td>
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(Not in major)

16 - 16-17

SENIOR YEAR

FALL SEMESTER

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<tr>
<th>Course and Number</th>
<th>Hrs</th>
<th>SPRING SEMESTER</th>
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<tbody>
<tr>
<td>Electives (if needed)</td>
<td>1-3</td>
<td>*NSG 461 Basic Nsg Lead and Mgt 2</td>
</tr>
<tr>
<td>*NSG 466 Nursing Science III</td>
<td>5</td>
<td>*NSG 468 Nursing Science IV 5</td>
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<tr>
<td>*NSG 470 Nursing Research</td>
<td>3</td>
<td>NSG 475 Persp of the Nsg Profession 2</td>
</tr>
<tr>
<td>*NSG 486 Clinical Practicum III</td>
<td>4</td>
<td>*NSG 488 Clinical Practicum IV 6</td>
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</table>

13-15 15

*Students will be registered by their nursing advisor for either the NSG 470, 466, and 486 sequence one semester and the Nursing 461, 468 and 488 sequence the other

Total Hours for Degree 128

Total Hours of Prerequisites 25 (Major requirements)

Any note or other information  Students must finish The Core (21 hours) and the 25 hours of major requirements before beginning the Nursing sequence in the junior year 15 hours (9 hours + 6 hours to replace CS) or more of electives are needed  The Nursing Major consists of 52 hours

Students may finish earlier if they attend summer school at WCU or another approved institution

CAPSTONE CURRICULUM OPTION (FOR REGISTERED NURSES)

Liberal Studies Hours 42

The major requires 71 hours as follows

BIOL 291 - Human Anatomy and Physiology I, 4 hours
BIOL 292 - Human Anatomy and Physiology II, 4 hours
CHEM 132 - Survey of Chemistry I, 4 hours or CHEM 140 - Advanced General Chemistry, 4 hours or CHEM 133 - Survey of Chemistry II, 4 hours
HSCC 260 - Etiology of Infectious Diseases, 3 hours
NSG 301 - Professional Transitions in Nursing, 3 hours
NSG 302 - Community Health Nursing I Theory, 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, 341, 342, 357, 387, 466, and 486, ND 338, and portions of NSG 353, 383, 468, and 488)
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
PSY 150 - General Psychology, 3 hours (or approved substitute)

General electives (15 hours) are required to complete the program
RN TO MSN ENTRY OPTION:

RN to MSN at Western Carolina University

**Purpose:** to assist selected RNs with good academic records to move smoothly through the RN Capstone curriculum directly into MSN study for advanced nursing roles. Normally, the student would take 10 semester hours of WCU undergraduate upper-division electives to complete the BSN. These electives would be replaced with up to 10 hours of WCU MSN graduate-level work, reducing the time needed to complete both degrees by one or two semesters.

Students interested in the RN to MSN should consult with both their RN to BSN advisor and the MSN Director, Dr. Judy Mallory.

**Application requirements:**
- Associate degree or diploma in nursing from an approved nursing program
- Current unrestricted license to practice as an RN in NC
- A total of 65 semester hours of credit before starting the Capstone RN track, including:
  - Completion of all 5 nursing prerequisites with a grade of C or better (22 hours) (BIOL 291/292, CHEM 132 or 140 or 133, HSCC 260, PSY 150)
  - Completion of the WCU Liberal Studies requirements (42 hours)
  - Electives as needed to total 65 semester hours
- Note: previous nursing course credits are not included in this total
- Completion of at least 11 of the required 22 hours of Capstone NSG courses, with projected completion of the remaining hours before or during the semester of application to the WCU MSN program

The two popular plans of study are

**Full-time**
- Sem 1: NSG 301, 302, 384, 399 (11 hrs)
- Sem 2: NSG 460, 470, 475, 483 (11 hrs)

**Part-time**
- Sem 1: NSG 301, 399 (5 hrs)
- Sem 2: NSG 460, 483 (6 hrs)
- Sem 3: NSG 302, 384 (6 hrs)
- Sem 4: NSG 470, 475 (5 hrs)

- Capstone RN students receive 31 hours of equivalency credit for their lower-division nursing courses on successful completion of NSG 399
- Additional criteria as normally required for competitive admission to the MSN
- Completed application submitted by February 15
- GRE submitted with acceptable scores
- Statistics course completed
- GPA of 3.00 on last 60 hours or cumulative post-secondary GPA of 2.85

Enrollment in the RN to MSN entry option does not guarantee admission to the MSN program. Admission of the RN to MSN applicant is provisional until the BSN is successfully completed. Available MSN tracks are Family Nursing Practitioner and Nurse Educator. Students interested in the CRNA track should consult with that coordinator.

If RN students are admitted provisionally to the MSN program at WCU, this entry option drops the 10 hours of WCU undergraduate upper-division electives needed for the RN to BSN track and replaces them with up to 10 hours of MSN graduate credits. The BSN is then awarded by WCU.
If RN students are admitted provisionally to the MSN program at WCU but elect not to finish it, they may apply any combination of WCU undergraduate upper-division electives with WCU MSN graduate credits for a total of 10 hours to complete the BSN.

If RN students are not admitted provisionally to the MSN program at WCU, they may still complete the BSN by taking 10 hours of WCU undergraduate upper-division electives.

**CURRICULUM GUIDE FOR CAPSTONE CURRICULUM OPTION (CAPSTONE RN TO BSN TRACK)**

### FRESHMAN-JUNIOR YEARS

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course and Number</td>
<td>Hrs</td>
</tr>
<tr>
<td>Semesters 1 through 6 may be taken at a convenient NC Community College (NCCC) and involve completing:</td>
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</tr>
<tr>
<td>1) The Associate of Applied Science in Nursing</td>
<td></td>
</tr>
<tr>
<td>2) Other Work to Meet the NCCC 44-hour General Education Core</td>
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<tr>
<td>3) The Courses Required for Admission to the Capstone Track</td>
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</tr>
<tr>
<td>Human Anatomy &amp; Physiology (BIOL 165/166 or BIOL 168/169)</td>
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<tr>
<td>Microbiology (BIOL 175 or BIOL 176)</td>
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<tr>
<td>General/inorganic Chemistry (CHEM 130/130A, CHEM 131/131A, CHEM 136, CHEM 151, or CHEM 152)</td>
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<tr>
<td>Organic/biochemistry (CHEM 132)</td>
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<tr>
<td>General Psychology (PSY 150)</td>
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<tr>
<td>NCCC transfer hours should total 65 semester hours, not including Nursing courses</td>
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### SENIOR YEAR

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<td>1NG 301 Prof Trans in Nursing</td>
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<tr>
<td>1NG 302 Health Prom in the Comm</td>
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<tr>
<td>4NG 384 Pract in Comm Health Nursing</td>
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<tr>
<td>2NG 399 Professional Nursing Knowledge and Skills</td>
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<td>16</td>
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</tr>
<tr>
<td>1Online</td>
<td>2Online &amp; Teleconference</td>
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</tbody>
</table>

On successful completion of NSG 399, 31 hours of credit by exam are granted in lieu of NSG 340 and 466, ND 338, and portions of NSG 355, 357, 383, 385, 468, and 486.

Semesters 7 and 8 involve full-time study in 32 hours of upper-division courses offered by WCU. The online courses will usually involve class meetings in Asheville at the start and end of each term. The shortest possible plan is laid out above.

Many RN to BSN students prefer part-time study, in order to manage the demands of work and family. The 2-semester plan laid out above can be stretched out over 3, 4, or more semesters, probably including some summer elective courses.

Students should consult as early as possible with the NCCC Director of the nursing program and the NCCC Counselor who advises nursing majors to determine eligibility for and initiate application to the nursing program. If admission to the nursing course sequence (item 1) must be delayed, the student should actively pursue the courses for the Gen Ed Core (item 2). Many of the Capstone requirements (item 3) will be incorporated into these studies. If admission to the nursing course...
sequence (item 1) is immediate, the student should plan an additional year of full-time study to complete items 2 and 3.

After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

DEPARTMENT OF SOCIAL WORK

Marie T Huff, head

J Crolley-Sinic, J Dulworth, T Gibson, J LeRoy, T Westbrook

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, B.S. DEGREE

Liberal Studies Hours 42

The major requires 57 hours. Only grades of C (2.0) or higher in required and elective social work courses will satisfy requirements for the major. The following courses are required:

- SOCW 151 - Introduction to Social Work, 3 hours
- SOCW 251 - Social Issues, Policy and Programs, 3 hours
- SOCW 253 - Interviewing Skills for Practice, 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 402 - Diversity in Contemporary Society, 3 hours
- SOCW 486 - Field Practicum, 12 hours
- SOCW 496 - Field Practicum Seminar, 3 hours

A grade of C- (1.67) is required in the following courses:

- PSC 150 - American Government and Politics Credits (3)
- PSY 150 - General Psychology Credits (3)

9 hours of social work electives

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 2.50 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 maintain an overall 2.50 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.

CURRICULUM GUIDE FOR SOCIAL WORK, (B.S. )

FRESHMAN YEAR

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<td>Course and Number</td>
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<tr>
<td>PSC 150 American Government</td>
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<td>PSY 150 General Psychology</td>
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<td>SOCW 151 Introduction SW</td>
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<td>SOCW 251 Social Policy &amp; Programs</td>
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*Prerequisite. SOCW 151

### JUNIOR YEAR

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<td>P6 Jr-Sr World Cultures</td>
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<td>SOCW 334 HBSE I</td>
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*Prerequisite. SOCW 253 and admission to social work program **Prerequisite SOCW 334 ***Prerequisite SOCW 151

After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier

### SENIOR YEAR

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<td>**, ***SOCW 496 Practicum Seminar</td>
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<td>*SOCW 364 Community Practice</td>
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</table>

*Prerequisite SOCW 253 and admission to social work program **Prerequisite SOCW 364 and admission to social work program ***Prerequisite Admission to the social work program

Total Hours for Degree: 128
Total Hours of Pre-requisites 12

All required social work courses are offered in both Fall and Spring semesters. Social Work elective courses are regularly offered in Summer School. Students may finish earlier if they attend summer school at WCU or another approved institution.

### Minor in Social Work

The minor requires 18 hours, including SOCW 151 and 251, and 12 hours of social work courses
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

John A. Williams, department head

MAJOR IN ANTHROPOLOGY, B.A. DEGREE

The major requires 42 hours as follows.

- ANTH 250 - Archaeology and Bioanthropology, 3 hours
- ANTH 260 - Cultural and Social Anthropology, 3 hours
- ANTH 341 - History of Anthropological Theory, 3 hours
- MFL 231-232 or 240, 6 hours

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

To complete the program, 36 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.

CURRICULUM GUIDE FOR ANTHROPOLOGY, B.A. DEGREE

FRESHMAN YEAR

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<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
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<td>Course and Number</td>
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<tr>
<td>P1 Social Sciences</td>
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<td>JS 101 Jumpstart</td>
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<tr>
<td>ENGL 101 Composition I</td>
<td>3</td>
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<tr>
<td>HEAL or HSCC 123/101 Wellness</td>
<td>3</td>
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**SOPHOMORE YEAR**

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<thead>
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<tbody>
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<td>P5 Fine &amp; Performing Arts</td>
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<td>P6 World Cultures</td>
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<td>MFL 102</td>
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<td>ANTH 260 Cultural and Social Anth</td>
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<td>ANTH 250 Arch and Bio Anth</td>
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**FALL SEMESTER**

**SPRING SEMESTER**

**JUNIOR YEAR**

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<td>ANTH Elective</td>
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<td>P1-P6 Jr-Sr Perspective</td>
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<td>Minor/Approved Program</td>
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<td>ANTH 341 History of Anth Theory</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

**SENIOR YEAR**

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</table>

**Total Hours for Degree** 120

**Total Hours of Pre-requisites** ANTH 250 & ANTH 260

Students may finish earlier if they attend summer school at WCU or another approved institution.

**CURRICULUM GUIDE FOR ANTHROPOLOGY B.S DEGREE**

<table>
<thead>
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<th>Hrs</th>
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<th>Hrs</th>
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<td>C5 Physical &amp; Biological Sciences</td>
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<td>C2 Math</td>
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<td>P1 Social Sciences</td>
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<td>C5 Physical and Biological Sciences</td>
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<td>P1 Social Sciences</td>
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<td>P4 Humanities</td>
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### SOPHOMORE YEAR

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<th>Course and Number</th>
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### JUNIOR YEAR

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<td>P1-P6 Jr-Sr Perspective</td>
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### SENIOR YEAR

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</table>

**Total Hours for Degree: 120**

**Total Hours of Pre-requisites** ANTH 250 & ANTH 260

Students may finish earlier if they attend summer school at WCU or another approved institution.

### 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.

**Forensic Anthropology Concentration**

| Liberal Studies Hours    | 42   |

The major requires 42 hours as follows Core (9 hours), Concentration (12), Electives (21)

**Core Hours 9**

- ANTH 250 - Archaeology and Bioanthropology, 3 hours
- ANTH 260 - Cultural and Social Anthropology, 3 hours
- ANTH 341 - History of Anthropological Theory, 3 hours

**Concentration Hours 12**

- ANTH 251 - Introduction to Forensic Anthropology, 3 hours
- ANTH 364 - Human Osteology, 3 hours
- ANTH 400 - Advanced Topics in Human Osteology, 3 hours
- ANTH 401 - Osteopathology, 3 hours
**Electives.** (21 hours) selected from junior and senior level anthropology courses.

To complete the program, 36 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.

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**CURRICULUM GUIDE FOR ANTHROPOLOGY (FORENSIC ANTHROPOLOGY CONCENTRATION) B.S. DEGREE**

**FRESHMAN YEAR**

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<tbody>
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**JUNIOR YEAR**

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<td>General Elective</td>
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<td>ANTH 341 History of Anth Theory</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

**SENIOR YEAR**

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<th>FALL SEMESTER</th>
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**Total Hours for Degree** 120

**Total Hours of Pre-requisites** ANTH 250 & ANTH 260

Students may finish earlier if they attend summer school at WCU or another approved institution.
MAJOR IN SOCIOLOGY, B.A. DEGREE

Liberal Studies Hours: 42

The major requires 39 hours. The following courses are required:

- SOC 103 - Human Society, 3 hours
- SOC 385 - Methods of Social Research, 3 hours
- SOC 386 - Analysis of Social Data, 3 hours
- SOC 391 - Sociological Theory, 3 hours
- MFL 231, 232, or 240, 6 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.

CURRICULUM GUIDE FOR SOCIOLOGY, B.A. DEGREE

FRESHMAN YEAR

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<td>C5 Physical &amp; Biological Science</td>
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<td>P4 Humanities</td>
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<td>ENGL 102 Composition II</td>
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SOPHOMORE YEAR

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JUNIOR YEAR

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

## Curriculum Guide for Sociology B.S. Degree

### Freshman Year

**Fall Semester**

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**Spring Semester**

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### Sophomore Year

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**Spring Semester**

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### Junior Year

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**Spring Semester**

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<td>General Elective/Approved Program</td>
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<tr>
<td>SOC Elective</td>
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<td>SOC 386 Analysis of Social Data</td>
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</table>

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### Senior Year

**Fall Semester**

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<th>Course and Number</th>
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<td>General Elective/2nd Major</td>
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<tr>
<td><strong>Total</strong></td>
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**Spring Semester**

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<th>Hrs.</th>
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<tbody>
<tr>
<td>SOC Elective</td>
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<td>Minor/2nd Major/Approved Program</td>
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<tr>
<td>General Elective/2nd Major</td>
<td>6</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>15</strong></td>
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</table>
Total Hours for Degree 120
Total Hours of Pre-requisites 3

Students may finish earlier if they attend summer school at WCU or another approved institution

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

Minor in Forensic Anthropology
The minor requires 21 hours, including ANTH 250, 251, 260, 364, 400, and 6 hours of junior-senior level anthropology courses Major in Anthropology, B.S. degree

Minor in Sociology
The minor requires 21 hours, including SOC 103 and 18 hours of sophomore, junior, or senior level sociology courses

DEPARTMENT OF ART AND DESIGN

Richard Tichich, department head

P Bailey, J Byrd, M Cochran, M Dewitt, C Griffin, J Jicha, M Luddle, K Moorman, M Roland, E Tapley, J Thompson

For information on special majors in this department that are available through the Humanities Program, please check the Humanities copy under “The Honors College” in the catalog or contact The Honors College at (828) 227-7383

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

MAJOR IN ART, B.F.A. DEGREE

Liberal Studies Hours: 42

The major requires 69 hours as follows

ART 131 - Introductory Drawing, 3 hours
ART 132 - Two-Dimensional Design, 3 hours
ART 136 - Art History Survey I, 3 hours
ART 141 - Life Drawing, 3 hours
ART 142 - Three-Dimensional Design, 3 hours
ART 416 - Contemporary Art, 3 hours
ART 474 - Portfolio, 3 hours
PAR 310 - Philosophy of Art, 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, 480 (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, 389 and 483, and 9 additional 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.

### CURRICULUM GUIDE FOR ART (STUDIO CONCENTRATION), B.F.A DEGREE

#### FRESHMAN YEAR

<table>
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<tr>
<th>FALL SEMESTER</th>
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<th>SPRING SEMESTER</th>
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<td>JS 101 Jumpstart</td>
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<td>ART 141 Life Drawing</td>
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#### SOPHOMORE YEAR

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#### JUNIOR YEAR

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#### SUMMER SCHOOL I

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#### SENIOR YEAR

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**CURRICULUM GUIDE FOR ART (GRAPHIC DESIGN CONCENTRATION) B.F.A. DEGREE**

**FRESHMAN YEAR**

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**SOPHOMORE YEAR**

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**JUNIOR YEAR**

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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

**SUMMER I**

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**SENIOR YEAR**

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Total Hours for Degree 128

Students may finish earlier if they attend summer school at WCU or another approved institution.

MAJOR IN ART, B.A. DEGREE

Liberal Studies Hours 42

The major requires 48 hours as follows.
ART 131 - Introductory Drawing, 3 hours
ART 132 - Two-Dimensional Design, 3 hours
ART 136 - Art History Survey I, 3 hours
ART 137 - Art History Survey II, 3 hours
ART 141 - Life Drawing, 3 hours
ART 142 - Three-Dimensional Design, 3 hours
ART 416 - Contemporary Art, 3 hours
MFL 231, 232 or 240, 6 hours
PAR 310 - Philosophy of Art, 3 hours

Studio emphasis (18 hours), including at least 12 hours at the junior-senior level, or an art history emphasis (18 hours) to include 15 hours in junior-senior art history courses and 3 hours of art electives is required.

To complete the program, a total of 30 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. Students must earn a grade of C or better in each art course in the major.

CURRICULUM GUIDE FOR ART B.A. DEGREE

FRESHMAN YEAR

<table>
<thead>
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<th>Hrs</th>
<th>Course and Number</th>
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<td>ART 137 Art History Survey II</td>
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<td>ART 131 Introductory Drawing</td>
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SOPHOMORE YEAR

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JUNIOR YEAR

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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

**SENIOR YEAR**

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<th>FALL SEMESTER</th>
<th>Hrs.</th>
<th>SPRING SEMESTER</th>
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<td>P5 Fine &amp; Performing Arts</td>
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**Total Hours for Degree** 120

Students may finish earlier if they attend summer school at WCU or another approved institution.

**MAJOR IN ART, B.S.ED. DEGREE**

**Liberal Studies Hours** 42

The major requires 58 hours as follows:

- ART 131 - Introductory Drawing, 3 hours
- ART 132 - Two-Dimensional Design, 3 hours
- ART 136 - Art History Survey I, 3 hours
- ART 137 - Art History Survey II, 3 hours
- ART 142 - Three-Dimensional Design, 3 hours
- ART 263 - Introduction to Art Education, 1 hour
- ART 367 - History and Philosophy of Art Education, 3 hours
- ART 416 - Contemporary Art, 3 hours
- ART 463 - Art Methods for the Middle and High School, 3 hours
- ART 465 - Art Methods for the Elementary 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
- Free elective from 300-400 level courses (3)

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.

**CURRICULUM GUIDE FOR ART B.S.ED. DEGREE**

**FRESHMAN YEAR**

<table>
<thead>
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<th>FALL SEMESTER</th>
<th>Hrs</th>
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### SOPHOMORE YEAR

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<td>ART 142 Three-Dimensional Design</td>
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<td>ART 233 Introductory Painting</td>
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<td>ART 234 Introductory Printmaking</td>
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<td>ART 241 Introductory Sculpture</td>
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### JUNIOR YEAR

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<td>ART 251 Introductory Ceramics</td>
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<td>ART 367 History and Philosophy of Art</td>
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<td>ART 372 Introductory Photography</td>
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<td>ART 463 Secondary Methods</td>
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<td>ART 465 Art Meth Elementary School</td>
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<td>PSY 321 Educational Psychology</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

### SENIOR YEAR

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Total Hours for Degree  128

Students may finish earlier if they attend summer school at WCU or another approved institution.

### MAJOR IN INTERIOR DESIGN, BS DEGREE

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<th>Liberal Studies Hours</th>
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The major requires 69 hours as follows
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**CURRICULUM GUIDE FOR INTERIOR DESIGN, (B.S.)**

**FRESHMAN YEAR**

**FALL SEMESTER**

<table>
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<td>IDES 251 - Architectural Drafting and Design</td>
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<tr>
<td>IDES 252 - Survey of Interior Materials</td>
<td>3</td>
</tr>
<tr>
<td>IDES 255 - Space Planning</td>
<td>3</td>
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<tr>
<td>IDES 256 - Perspective Drawing</td>
<td>3</td>
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<td>IDES 257 - Architectural Construction Process</td>
<td>3</td>
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<td>IDES 350 - History of Furniture and Design I</td>
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<td>IDES 351 - Lighting Design</td>
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<td>IDES 352 - Residential Design I</td>
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<td>IDES 356 - Contract Design I</td>
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<td>IDES 357 - Kitchen and Bath Design I</td>
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<td>IDES 358 - CADD for Interior Design</td>
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<td>IDES 450 - Residential Design II</td>
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<td>IDES 451 - Kitchen and Bath Design II</td>
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<td>IDES 455 - Contract Design II</td>
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**SPRING SEMESTER**

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<td>IDES 355 - History of Furniture and Design II</td>
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<td>IDES 389 - Cooperative Education in Interior Design or IDES 483 - Internship</td>
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**Select one of the following to complete the research/project requirement**

- IDES 452 - Senior Research, 3 hours and IDES 457 - Senior Project, 3 hours
- 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.

**SOPHOMORE YEAR**

**FALL SEMESTER**

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<td>IDES 255 Space Planning</td>
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<td>IDES 256 Perspective Drawing</td>
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<td>IDES 457 Senior Project</td>
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**SPRING SEMESTER**

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<tbody>
<tr>
<td>IDES 250 - Introduction to Interior Design</td>
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<tr>
<td>IDES 257 - Architectural Construction Process</td>
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<tr>
<td>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</td>
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<tr>
<td>General Electives, 12 hours</td>
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CURRICULUM GUIDE FOR INTERIOR DESIGN, (B.S.)
<table>
<thead>
<tr>
<th>JUNIOR YEAR</th>
<th>SPRING SEMESTER</th>
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<td>IDES 351 Lighting Design</td>
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<tr>
<td>IDES 350 Hist of Furn and Design I</td>
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<td>IDES 352 Residential Design I</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

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<th>JUNIOR YEAR</th>
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Total Hours for Degree 123

1See options for “Requirements for a BS in Interior Design” Curriculum Checksheet

2Indicates courses offered with two sections per semester

3Students must earn a minimum grade of "C" or better in all IDES courses

Students may finish earlier if they attend summer school at WCU or another approved institution.

**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.

**Minor in Residential Environments**
The minor requires 18 hours IDES 250, 251, 252, 257, 350, 355. In lieu of taking IDES 251, one of the following art courses may be substituted (ART 131, 132, 141, 142, 233, 234, 241, or 251).

**ARTS AND SCIENCES INTERDISCIPLINARY PROGRAMS**

**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, PAR 330, PSC 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, GEOG 441, HIST 445, HIST 446, and HIST 472.
Manor 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

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, EDCE 372, EDEL 466, EDEL 472, ECET 301, ECET 302, ENGL 305, ENGL 307, ENGL 310, MUS 181, and MUS 283.

Minor in Race, Ethnic, and Gender Relations
The minor requires 24 hours, including SOC 103, 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 Social Change
The minor requires 24 hours, including SOC 103, 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 Women’s Studies
The minor requires 18 hours, including ASI 230, ENGL 47, HIST 451, SOC 326, and electives from ANTH 419, CMHC 414, LAW 306, NSG 360, PSC 351, PSY 333 and appropriate topics from ANTH 481, CMPR 493, PSY 480, and SOC 480.

ENVIRONMENTAL SCIENCES, B.S. DEGREE

Liberal Studies Hours 42

The major requires 60 hours as follows:

Foundations in Environmental Science
- BIOL 140 - Principles of Biology I, 4 hours
- BIOL 141 - Principles of Biology II, 4 hours
- CHEM 140 - Advanced General Chemistry, 4 hours
- ES 101 - Careers and Issues in Environmental Science, 1 hour
- ES 150 - Introduction and Approaches to Environmental Science, 4 hours
- ES 495 - Senior Research Seminar in Environmental Science, 3 hours
- GEOL 150 - Methods in Geology, 4 hours
- MATH 140 - Introductory Calculus, 5 hours

Geographic Information Systems: Choose one from the following list
- GEOG 321 - Geographic Information Systems, 3 hours
- or NRM 344 - Introduction to Geographic Information Systems, 4 hours

Environmental Health: Choose one from the following list
- ENVH 310 - Water Quality Control, 4 hours
- ENVH 375 - Environmental Toxicology, 3 hours
- ENVH 440 - Air Quality Control, 4 hours
- ENVH 470 - Principles of Epidemiology, 3 hours
Environmental Policy  Choose one from the following list
- ECON 310 - Natural Resource Economics, 3 hours
- ENVH 458 - Environmental Regulation and Law, 3 hours
- NRM 442 - Natural Resources Policy and Administration, 3 hours

Environment and Society  Choose one from the following list
- ANTH 351 - Environmental Anthropology, 3 hours
- GEOG 402 - Conservation of Natural Resources, 3 hours
- PAR 330 - America's Wilderness Ethics and Aesthetics, 3 hours
- PAR 333 - Environmental Ethics, 3 hours
- SOC 371 - Society and the Environment, 3 hours

Advanced Study in the Environmental Sciences
Student must obtain approval of a degree plan from the ES committee prior to pursuing Advanced Study courses. Advanced Study courses must not duplicate Foundations courses.

A  Quantitative Methods  Choose one from the following list
- BIOL 467 - Biostatistics, 3 hours
- CHEM 232 - Quantitative Analysis, 3 hours
- MATH 375 - Statistical Methods II, 3 hours

B  Advanced Environmental Sciences
   i  Field & Natural Environmental Science  Choose one from the following list
      - BIOL 434 - Terrestrial Ecology, 4 hours
      - BIOL 435 - Aquatic Ecology, 4 hours
      - GEOL 305 - Soils and Hydrology, 4 hours
      - GEOL 405 - Hydrogeology, 4 hours

   ii  Analytical/Instrumentation  Choose one from the following list
      - CHEM 330 - Aquatic Chemistry, 2-3 hours
      - CHEM 370 - Instrumental Analysis I, 3 hours
      - CHEM 432 - Instrumental Analysis II, 3 hours
      - CHEM 461 - Environmental Chemistry, 3 hours

C  Electives-Choose 18-19 hours of upper level courses from the list below, or course(s) in consultation with your advisor. Courses may not duplicate other degree requirements.
- BIOL 304 - General Ecology, 3 hours
- BIOL 434 - Terrestrial Ecology, 4 hours
- BIOL 435 - Aquatic Ecology, 4 hours
- BIOL 467 - Biostatistics, 3 hours
- BIOL 473 - Microbial Ecology, 4 hours
- BIOL 476 - Contemporary Fisheries, 4 hours
- CHEM 330 - Aquatic Chemistry, 2-3 hours
- CHEM 370 - Instrumental Analysis I, 3 hours
- CHEM 432 - Instrumental Analysis II, 3 hours
- CHEM 461 - Environmental Chemistry, 3 hours
- CHEM 470 - Advanced Instrumental Analysis Laboratory, 1 hour
- ENVH 310 - Water Quality Control, 4 hours
- ENVH 312 - Solid and Hazardous Waste Management, 3 hours
- ENVH 375 - Environmental Toxicology, 3 hours
- ENVH 440 - Air Quality Control, 4 hours
- ENVH 457 - Industrial Hygiene, 3 hours
- ENVH 470 - Principles of Epidemiology, 3 hours
- GEOL 305 - Soils and Hydrology, 4 hours
- GEOL 405 - Hydrogeology, 4 hours
- GEOL 410 - Fluvial Geomorphology, 3 hours
- GEOL 423 - Contaminated Rivers Assessment, Remediation, and Restoration, 3 hours
- GEOL 455 - Wetlands, 3 hours
MATH 270 - Statistical Methods I, 3 hours  
MATH 370 - Probability and Statistics I, 3 hours  
MATH 375 - Statistical Methods II, 3 hours  
NRM 351 - Forest Ecology, 3 hours  
NRM 371 - Landscape Ecology, 4 hours  
NRM 472 - Ecosystem Structure and Analysis, 4 hours  

D General Electives Hours 26  
Students must take at least 32 hours at the junior-senior level at WCU in order to satisfy general university degree requirements  

CURRICULUM GUIDE FOR ENVIRONMENTAL SCIENCES, B.S. DEGREE  

FRESHMAN YEAR  

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SOPHOMORE YEAR  

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SENIOR YEAR  

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Total Hours for Degree. 128  
Students may finish earlier if they attend summer school at WCU or another approved institution
DEPARTMENT OF BIOLOGY
Malcolm Powell, head


MAJOR IN BIOLOGY, B.S. DEGREE

Liberal Studies Hours 42

The major requires 47 hours as follows

BIOL 140 - Principles of Biology I, 4 hours
BIOL 141 - Principles of Biology II, 4 hours
BIOL 240 - Introduction to Genetics, 4 hours
BIOL 241 - Introduction to Ecology and Evolution, 4 hours
CHEM 140 - Advanced General Chemistry, 4 hours
CHEM 241 - Organic Chemistry I, 3 hours
CHEM 242 - Organic Chemistry II, 3 hours
CHEM 272 - Organic Chemistry Lab, 2 hours
MATH 140 - Introductory Calculus, 5 hours
MATH 170 - Applied Statistics, 3 hours
PHYS 130 - Introductory Physics I, 4 hours
PHYS 131 - Introductory Physics II, 4 hours

Concentration (25 hours) selected from one of the following

Ecology and Evolutionary Biology BIOL 306, 434 or 435, 467  Electives may include two non-biology courses two electives from the Ecology and Evolution set, one elective from the Organismal Biology set, one elective from the Cell and Molecular Biology set, one elective from either the Conservation Biology or Biotechnology set.

General Biology At least one elective from each set (Cell and Molecular Biology, Organismal Biology, Ecology and Evolution, Biotechnology, and Conservation Biology) for a total of 25 hours (may include two non-biology courses)

Molecular Biology BIOL 333, 361, and 421  Electives may include two non-biology courses two electives from the Cell and Molecular Biology set, one elective from the Biotechnology set, two electives from two of the following three sets 1 Organismal Biology, 2 Ecology and Evolutionary Biology, or 3 Conservation Biology

Pre-Health Professional BIOL 311, 333, and 361  Electives may include two non-biology courses one elective from the Cell and Molecular Biology set, one elective from the Biotechnology set, two electives from the Organismal Biology set, one elective from either the Ecology and Evolutionary Biology, or Conservation Biology set

General electives (6 hours) at the 300/400 level) are required to complete the program

Course Sets

Biotechnology BIOL 333, 361, 414, 416, 417, 419, 421, 467, CHEM 370, 432, 462, 470, PAR 332

Cell and Molecular Biology BIOL 313 or 413 and 414, 333, 361, 416, 417, 419


Organismal Biology  BIOL 311, 373, 374, 415, 425, 455

Students must take at least 32 hours of the courses at the junior-senior level at WCU in order to satisfy general university degree requirements

**CURRICULUM GUIDE FOR BIOLOGY (ECOLOGY AND EVOLUTIONARY BIOLOGY CONCENTRATION), B.S. DEGREE**

### FRESHMAN YEAR

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<td>BIOL 240 Introduction to Genetics</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

### SENIOR YEAR

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<td>BIOL 434 or 435 Terre/Aquat Ecology</td>
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<td>P1 Social Sciences</td>
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<td>BIOL 467 Biostatistics</td>
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**Total Hours for Degree  120**

- Total hours of prerequisites  23 hours
- Prerequisite for BIOL 141 is BIOL 140
- Prerequisites for BIOL 240 are BIOL 140 and BIOL 141
- Prerequisite for PHYS 131 is PHYS 130
- One perspective course must be an upper level perspective course (300/400 level)
Prerequisites for Jr-Sr Biology courses are all or some of the core BIOL 140, 141, and 240.
Prerequisite for CHEM 241 is CHEM 140.
Prerequisite for CHEM 242 and CHEM 272 is CHEM 241.

There is a great diversity of Junior/Senior level courses in Biology, which are either 3 or 4 credit hour courses. Students will need a total of 25 to 30 hours in these courses to satisfy the degree requirements, depending upon which electives they select (i.e., how many lab courses are chosen). Students may finish earlier if they attend summer school at WCU or another approved institution. Remember, 32 hours of 300-400 level courses must be taken at WCU in order to satisfy the general university degree requirements.

CURRICULUM GUIDE FOR BIOLOGY (GENERAL BIOLOGY CONCENTRATION) B.S.

**FRESHMAN YEAR**

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<td>P1 Social Sciences</td>
<td>3</td>
<td>BIOL Jr-Sr Elective</td>
<td>6</td>
</tr>
<tr>
<td>P6 World Culture</td>
<td>3</td>
<td>CHEM 242 Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>BIOL Jr-Sr Elective</td>
<td>3</td>
<td>CHEM 272 Organic Chemistry Lab</td>
<td>2</td>
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<tr>
<td>BIOL 241 Intro to Ecol and Evolution</td>
<td>4</td>
<td>MATH 140 Introductory Calculus</td>
<td>5</td>
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<tr>
<td>CHEM 241 Organic Chemistry I</td>
<td>3</td>
<td>16</td>
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</table>

After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

**SENIOR YEAR**

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs</th>
<th>Course and Number</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>BIOL Jr-Sr Electives</td>
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<tr>
<td>BIOL Senior Research</td>
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<td>Jr-Sr General Elective</td>
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<tr>
<td>Jr-Sr General Elective</td>
<td>3</td>
<td>3</td>
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<tr>
<td>MATH 170 Applied Statistics</td>
<td>3</td>
<td>15</td>
<td>13</td>
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</tbody>
</table>
Total Hours for Degree: 120

1. Total hours of prerequisites 23 hours
2. Prerequisite for BIOL 141 is BIOL 140
3. Prerequisites for BIOL 240 are BIOL 140 and BIOL 141
4. Prerequisite for PHYS 131 is PHYS 130
5. One perspective course must be an upper level perspective course (300/400 level)
6. Prerequisites for BIOL 241 are BIOL 140, 141, and 240
7. Prerequisites for Jr-Sr Biology courses are all or some of the core BIOL 140, 141, 240, and 241
8. Prerequisite for CHEM 241 is CHEM 140
9. Prerequisite for CHEM 242 and CHEM 272 is CHEM 241

There is a great diversity of Junior/Senior level courses in Biology, which are either 3 or 4 credit hour courses. Students will need a total of 25 to 30 hours in these courses to satisfy the degree requirements, depending upon which electives they select (i.e., how many lab courses are chosen). Students may finish earlier if they attend summer school at WCU or another approved institution.

Remember, 32 hours of 300-400 level courses must be taken at WCU in order to satisfy the general university degree requirements.

CURRICULUM GUIDE FOR BIOLOGY (MOLECULAR BIOLOGY CONCENTRATION) B.S.

FRESHMAN YEAR

FALL SEMESTER

Course and Number Hrs
190 Series First Year Seminar 3
C2 Mathematics 3
C5 Physical and Biological Sciences 3
P3 History 3
JS 101 Jumpstart 0
ENGL 101 Composition I 3

SPRING SEMESTER

Course and Number Hrs
C4 Wellness 3
C5 Physical and Biological Sciences 3
P1 Social Sciences 3
ENGL 102 Composition II 3

SOPHOMORE YEAR

FALL SEMESTER

Course and Number Hrs
BIOL 141 Principles of Biology II 4
CHEM 140 Adv General Chemistry 4
CMHC 201 Communication 3
PHYS 130 Introductory Physics I 4

SPRING SEMESTER

Course and Number Hrs
P4 Humanities 3
P5 Fine & Performing Arts 3
BIOL 240 Introduction to Genetics 4
PHYS 131 Introductory Physics II 4

JUNIOR YEAR

FALL SEMESTER

Course and Number Hrs
BIOL Jr-Sr Elective 3
BIOL 241 Intro to Ecol and Evolution 4
CHEM 241 Organic Chemistry I 3
MATH 140 Introductory Calculus 5

SPRING SEMESTER

Course and Number Hrs
BIOL Jr-Sr Elective 3
Jr-Sr Elective 3
CHEM 242 Organic Chemistry II 3
CHEM 272 Organic Chemistry Lab 2
BIOL 333 Cell and Molecular Biology 4

After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.
### SENIOR YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
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<tbody>
<tr>
<td><strong>Course and Number</strong></td>
<td><strong>Course and Number</strong></td>
</tr>
<tr>
<td>BIOL Jr-Sr Electives</td>
<td>BIOL Jr-Sr Electives</td>
</tr>
<tr>
<td>BIOL Senior Research</td>
<td>Jr-Sr General Elective</td>
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<tr>
<td>P1 Social Sciences</td>
<td>P6 World Cultures</td>
</tr>
<tr>
<td>BIOL 361 Principles of Biochemistry</td>
<td>MATH 170 Applied Statistics</td>
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<tr>
<td>BIOL 421 Principles of Biotechnology</td>
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</table>

**Total Hours for Degree: 120**

1. Total hours of prerequisites: 27 hours
2. Prerequisite for BIOL 141 is BIOL 140
3. Prerequisites for BIOL 240 are BIOL 140 and BIOL 141
4. Prerequisite for PHYS 131 is PHYS 130
5. One perspective course must be an upper level perspective course (300/400 level)
6. Prerequisites for BIOL 241 are BIOL 140, 141, and 240
7. Prerequisites for Jr-Sr Biology courses are all or some of the core BIOL 140, 141, 240,
and 241
8. Prerequisite for CHEM 241 is CHEM 140
9. Prerequisite for CHEM 242 and CHEM 272 is CHEM 241
10. Prerequisite for BIOL 421 is BIOL 333

There is a great diversity of Junior/Senior level courses in Biology, which are either 3 or 4 credit hour courses. Students will need a total of 25 to 30 hours in these courses to satisfy the degree requirements, depending upon which electives they select (i.e., how many lab courses are chosen). Students may finish earlier if they attend summer school at WCU or another approved institution. Remember: 32 hours of 300-400 level courses must be taken at WCU in order to satisfy the general university degree requirements.

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### CURRICULUM GUIDE FOR BIOLOGY (PRE-HEALTH PROFESSIONAL CONCENTRATION) B.S.

#### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
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<tbody>
<tr>
<td><strong>Course and Number</strong></td>
<td><strong>Course and Number</strong></td>
</tr>
<tr>
<td>190 Series First Year Seminar</td>
<td>C4 Wellness</td>
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<tr>
<td>C2 Mathematics</td>
<td>C5 Physical and Biological Sciences</td>
</tr>
<tr>
<td>C5 Physical and Biological Sciences</td>
<td>P1 Social Sciences</td>
</tr>
<tr>
<td>P3 History</td>
<td>BIOL 140 Principles of Biology I</td>
</tr>
<tr>
<td>JS 101 Jumpstart</td>
<td>ENGL 102 Composition II</td>
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<td>ENGL 101 Composition I</td>
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#### SOPHOMORE YEAR

<table>
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</thead>
<tbody>
<tr>
<td><strong>Course and Number</strong></td>
<td><strong>Course and Number</strong></td>
</tr>
<tr>
<td>BIOL 141 Principles of Biology II</td>
<td>P4 Humanities</td>
</tr>
<tr>
<td>CHEM 140 Adv General Chemistry</td>
<td>P5 Fine &amp; Performing Arts</td>
</tr>
<tr>
<td>CMHC 201 Communication</td>
<td>BIOL 240 Introduction to Genetics</td>
</tr>
<tr>
<td>PHYS 130 Introductory Physics I</td>
<td>PHYS 131 Introductory Physics II</td>
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<tr>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>
JUNIOR YEAR

FALL SEMESTER
Course and Number
- BIOL 241 Intro to Ecol and Evolution 4
- BIOL 361 Principles of Biochemistry 3
- CHEM 241 Organic Chemistry I 3
- MATH 140 Introductory Calculus 5

SPRING SEMESTER
Course and Number
- BIOL Jr-Sr Elective 3
- BIOL 333 Cell and Molecular Biology 4
- CHEM 242 Organic Chemistry II 3
- CHEM 272 Organic Chemistry Lab 2
- MATH 170 Applied Statistics 3

15

After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

SENIOR YEAR

FALL SEMESTER
Course and Number
- BIOL Jr-Sr Electives 6
- BIOL Senior Research 3
- P1 Social Sciences 3
- BIOL 311 Animal Physiology 3

SPRING SEMESTER
Course and Number
- BIOL Jr-Sr Electives 6
- Jr-Sr General Elective 6
- P6 World Cultures 3

15

Total Hours for Degree: 120

1. Total hours of prerequisites 27 hours
2. Prerequisite for BIOL 141 is BIOL 140
3. Prerequisites for BIOL 240 are BIOL 140 and BIOL 141
4. Prerequisite for PHYS 131 is PHYS 130
5. One perspective course must be an upper level perspective course (300/400 level)
6. Prerequisites for BIOL 241 are BIOL 140, 141, and 240
7. Prerequisites for Jr-Sr Biology courses are all or some of the core BIOL 140, 141, 240, and 241
8. Prerequisite for CHEM 241 is CHEM 140
9. Prerequisite for CHEM 242 and CHEM 272 is CHEM 241
10. Prerequisite for BIOL 311 is CHEM 140

There is a great diversity of Junior/Senior level courses in Biology, which are either 3 or 4 credit hour courses. Students will need a total of 25 to 30 hours in these courses to satisfy the degree requirements, depending upon which electives they select (i.e., how many lab courses are chosen). Students may finish earlier if they attend summer school at WCU or another approved institution. Remember, 32 hours of 300/400 level courses must be taken at WCU in order to satisfy the general university degree requirements.

MAJOR IN SCIENCE EDUCATION (CONCENTRATION IN BIOLOGY), B.S.ED. DEGREE

Liberal Studies Hours: 42

The major requires 56 hours as follows.

- BIOL 140 - Principles of Biology I, 4 hours
- BIOL 141 - Principles of Biology II, 4 hours
- BIOL 240 - Introduction to Genetics, 4 hours
- BIOL 241 - Introduction to Ecology and Evolution, 4 hours
- BIOL 333 - Cell and Molecular Biology, 4 hours
- CHEM 133 - Survey of Chemistry II, 4 hours
- CHEM 140 - Advanced General Chemistry, 4 hours
- GEOL 150 - Methods in Geology, 4 hours
- GEOL 155 - Historical Geology, 4 hours
MATH 130 - College Algebra, 3 hours  
MATH 140 - Introductory Calculus, 5 hours  
PHYS 130 - Introductory Physics I, 4 hours  
PHYS 131 - Introductory Physics II, 4 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.

**CURIKULUM GUIDE FOR SCIENCE EDUCATION (CONCENTRATION IN BIOLOGY) B.S.ED**

### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
<th>Course and Number</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>190 Series First Year Seminar</td>
<td>3</td>
<td>P4 Humanities</td>
<td>3</td>
</tr>
<tr>
<td>JS 101 Jumpstart</td>
<td>0</td>
<td>BIOL 140 Principles of Biology I</td>
<td>4</td>
</tr>
<tr>
<td>MATH (C2)</td>
<td>3</td>
<td>*CHEM 133 Survey of Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>C5 (Varied)</td>
<td>3</td>
<td>CMHC 201 Communication</td>
<td>3</td>
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<tr>
<td>ENGL 101 Composition I</td>
<td>3</td>
<td>ENGL 102 Composition II</td>
<td>3</td>
</tr>
<tr>
<td>HEAL or HSCC 111/123/101 Wellness</td>
<td>3</td>
<td>MATH 130 College Algebra</td>
<td>3</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>15</strong></td>
<td><strong>Total</strong></td>
<td><strong>17</strong></td>
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</table>

*Prerequisite for CHEM 133 is CHEM 132

### SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
<th>Course and Number</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>*BIOL 141 Principles of Biology II</td>
<td>4</td>
<td>P1 Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 140 Adv General Chemistry</td>
<td>4</td>
<td>P5 Fine &amp; Performing Arts</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 150 Methods in Geology</td>
<td>4</td>
<td>P6 World Culture</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 130 Introductory Physics I</td>
<td>4</td>
<td>**BIOL 240 Introduction to Genetics</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
<td>***PHYS 131 Introductory Physics II</td>
<td><strong>4</strong></td>
</tr>
</tbody>
</table>

One perspective course must be an upper level perspective course (300/400 level) * PREQ for BIOL 141 is BIOL 140 ** REQ for BIOL 240 are BIOL 140 and BIOL 141 *** PREQ for PHYS 131 is PHYS 130

### JUNIOR YEAR

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
<th>Course and Number</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>P1 Social Sciences</td>
<td>3</td>
<td>P3 History</td>
<td>3</td>
</tr>
<tr>
<td>Biology Junior/Senior Elective</td>
<td>3</td>
<td>BIOL 333 Cell and Molecular Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 241 Intro to Ecol and Evolution</td>
<td>4</td>
<td>MATH 140 Introductory Calculus</td>
<td>5</td>
</tr>
<tr>
<td>*EDCI 231 Curricular Instruction</td>
<td>3</td>
<td>PSY 320 or 322 Child/Adolescent Dev</td>
<td>3</td>
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<tr>
<td>GEOL 155 Historical Geology</td>
<td>4</td>
<td>SPED 335 Teaching Children</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>17</strong></td>
<td><strong>Total</strong></td>
<td><strong>17</strong></td>
</tr>
</tbody>
</table>

After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier. *EDCI 231 may be taken in the Sophomore or Junior years. There is some flexibility in terms of the sequence of professional courses after the initial EDCI 231 course is taken.

### SENIOR YEAR

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
<th>Course and Number</th>
<th>Hrs.</th>
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</thead>
<tbody>
<tr>
<td>BIOL Jr-Sr Elective</td>
<td>1</td>
<td>EDSE 490 Supervised Stud Teaching</td>
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<tr>
<td>C5 Physical and Biological Sciences</td>
<td>3</td>
<td>EDSE 495 Seminar</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>4</td>
<td>SCI 491 Supervised Student Teaching</td>
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</tbody>
</table>
EDRD 323 Reading and Comm Skills 2 in the Sciences 3
PSY 321 Educational Psychology 3
SCI 422 Science Methods 3

Total Hours for Degree: 128

Students may finish earlier if they attend summer school at WCU or another approved institution. Students must take at least 32 hours at the junior and senior level at WCU in order to satisfy general university degree requirements.

Minor in Biology
The minor requires 23 hours, including 140, 141, 240, 241, and at least 7 hours of junior/senior level biology electives.

DEPARTMENT OF CHEMISTRY AND PHYSICS
Cynthia Attenholt, head

PREPROFESSIONAL PROGRAMS AND CHEMISTRY DEGREE PROGRAMS
Students interested in pre-medical, pre-dental, pre-optometry, pre-veterinary, and prepharmacy programs are encouraged to enroll in the B.A. in Chemistry or the B.S. in Chemistry — Pre-medical/Pre-dental/Pre-optometry/Pre-veterinary/Pre-pharmacy Concentration. Those interested in advanced study in chemistry are encouraged to enroll in the B.S. in Chemistry - Four Plus One Concentration in which students may receive a B.S. and an M.S. in chemistry in five years.

MAJOR IN CHEMISTRY, B.A. DEGREE

Liberal Studies Hours 42

The major requires 49 hours as follows

140 - Advanced General Chemistry, 4 hours
232 - Quantitative Analysis, 3 hours
241 - Organic Chemistry I, 3 hours
272 - Organic Chemistry Lab, 2 hours
352 - Physical Chemistry I, 3 hours
361 - Principles of Biochemistry, 3 hours
370 - Instrumental Analysis I, 3 hours
371 - Chemical Dynamics, 2 hours
495 - Seminar in Chemistry Credits (1, R4)
140 - Introductory Calculus Credits (5)
MFL 231-232 or 240, 6 hours
PHYS 130-131 Introductory Physics I, II, 8 hours or PHYS 230-231 General Physics I, II, 8 hours
Chemistry electives (3 hours) at the junior-senior level

A minor, second major, or other approved program and general electives (37 hours), including at least 14 hours at the junior-senior level, are required to complete the program. Premedical, pre-veterinary, and pre-dental 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.
# CURRICULUM GUIDE FOR CHEMISTRY B.A. DEGREE

## FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Course and Number</strong></td>
<td><strong>Course and Number</strong></td>
</tr>
<tr>
<td>190 Series First Year Seminar</td>
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<tr>
<td>CHEM 140 Adv General Chemistry</td>
<td>P1 Social Sciences</td>
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<tr>
<td>ENGL 101 Composition I</td>
<td>ENGL 102 Composition II</td>
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<tr>
<td>MATH 140 Introductory Calculus</td>
<td>HEAL or HSCC 123/101 Wellness</td>
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<tr>
<td></td>
<td>CHEM 232 Quantitative Analysis</td>
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### TOTAL HOURS: 15

## SOPHOMORE YEAR

<table>
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<tbody>
<tr>
<td><strong>Course and Number</strong></td>
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<tr>
<td>MFL 101</td>
<td>MFL 132</td>
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<tr>
<td>CHEM 241 Organic Chemistry I</td>
<td>CHEM 242 Organic Chemistry II</td>
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<tr>
<td>CHEM 321 Inorganic Chemistry</td>
<td>CHEM 272 Organic Chemistry Lab</td>
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<tr>
<td>CHEM 370 Instrumental Analysis I</td>
<td>CHEM 352 Physical Chemistry I</td>
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<tr>
<td>CMHC 201 Communication</td>
<td>CHEM 472 Chemical Syntheses</td>
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<td></td>
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</table>

### TOTAL HOURS: 15

## JUNIOR YEAR

<table>
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<th>SPRING SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Course and Number</strong></td>
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<td>P1 Social Sciences</td>
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<td>Minor</td>
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<tr>
<td>CHEM 361 Principles of Biochemistry</td>
<td>Minor</td>
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<tr>
<td>CHEM 371 Chemical Dynamics</td>
<td>MFL 232</td>
</tr>
<tr>
<td>PHYS 131 Introductory Physics II</td>
<td>CHEM 352 Physical Chemistry I</td>
</tr>
<tr>
<td></td>
<td>CHEM 472 Chemical Syntheses</td>
</tr>
</tbody>
</table>

### TOTAL HOURS: 17

After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

## SENIOR YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
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</thead>
<tbody>
<tr>
<td><strong>Course and Number</strong></td>
<td><strong>Course and Number</strong></td>
</tr>
<tr>
<td>CHEM 300/400 Physical Chem II</td>
<td>Minor</td>
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<tr>
<td>P5 Fine &amp; Performing Arts</td>
<td>Jr-Sr Elective</td>
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<td>Minor</td>
<td>P4 Humanities</td>
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<tr>
<td>Jr-Sr Elective</td>
<td>General Elective</td>
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<tr>
<td>Upper Level Perspectives</td>
<td>CHEM 495 Seminar in Chemistry</td>
</tr>
</tbody>
</table>

### TOTAL HOURS: 16

Total Hours for Degree: 128

Students may finish earlier if they attend summer school at WCU or another approved institution.

## MAJOR IN CHEMISTRY, ACS APPROVED CONCENTRATION, B S. DEGREE

The major requires 47 hours in Chemistry as follows:

- CHEM 140 - Advanced General Chemistry, 4 hours
- CHEM 232 - Quantitative Analysis, 3 hours
- CHEM 241 - Organic Chemistry I, 3 hours
- CHEM 242 - Organic Chemistry II, 3 hours
CHEM 272 - Organic Chemistry Lab, 2 hours
CHEM 352 - Physical Chemistry I, 3 hours
CHEM 361 - Principles of Biochemistry, 3 hours
CHEM 370 - Instrumental Analysis I, 3 hours
CHEM 371 - Chemical Dynamics, 2 hours
CHEM 495 - Seminar in Chemistry, 1 hour
MATH 153 - Calculus I, 4 hours
MATH 255 - Calculus II, 4 hours
MATH 256 - Calculus III, 4 hours
PHYS 230, 231 - General Physics I, II, 8 hours

ACS Approved Chemistry Concentration

The concentration requires 16 hours as follows
CHEM 321 - Inorganic Chemistry, 3 hours
CHEM 380 - Research in Chemistry, 4 hours
CHEM 347 - Chemical Syntheses, 2 hours
CHEM 432 - Instrumental Analysis II, 3 hours
CHEM 453 - Physical Chemistry II, 3 hours
CHEM 470 - Advanced Instrumental Analysis Laboratory, 1 hour

General electives (23 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.

CURRICULUM GUIDE FOR CHEMISTRY (ACS APPROVED CONCENTRATION)

B S. DEGREE

FRESHMAN YEAR

FALL SEMESTER

Course and Number Hrs. SPRING SEMESTER
190 Series First Year Seminar 3 P1 Social Sciences 3
C4 Wellness 3 P1 Social Sciences 3
CHEM 140 Adv General Chemistry 4 CHEM 232 Quantitative Analysis 3
ENGL 101 Composition I 3 ENGL 102 Composition II 3
MATH 153 Calculus I 4 MATH 255 Calculus II 4
17 16

SOPHOMORE YEAR

FALL SEMESTER

Course and Number Hrs. SPRING SEMESTER
CHEM 241 Organic Chemistry I 3 P4 Humanities 3
CHEM 321 Inorganic Chemistry 3 P5 Fine & Performing Arts 3
CHEM 370 Instrumental Analysis I 3 CHEM 242 Organic Chemistry II 3
CMHC 201 Communication 3 CHEM 272 Organic Chemistry Lab 2
MATH 256 Calculus III 4 PHYS 230 General Physics I 4
16 15

JUNIOR YEAR

FALL SEMESTER

Course and Number Hrs. SPRING SEMESTER
UL Perspective 3 P3 History 3
Jr-Sr Elective 4 General Elective 5
CHEM 361 Principles of Biochemistry 3 P6 World Culture 3
CHEM 371 Chemical Dynamics 2 CHEM 352 Physical Chemistry I 3
PHYS 231 General Physics II 4 CHEM 472 Chemical Syntheses 2
16 16

After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.
### SENIOR YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Hrs.</th>
<th>SPRING SEMESTER</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>Course and Number</td>
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<td>Course and Number</td>
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<tr>
<td>General Electives</td>
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<td>General Elective</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 380 Research in Chemistry</td>
<td>2</td>
<td>CHEM 432 or 461 Inst Analy II or Env Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 453 Physical Chemistry II</td>
<td>3</td>
<td>CHEM 380 Research in Chemistry</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 470 Adv Inst Lab</td>
<td>1</td>
<td>CHEM 495 Seminar in Chemistry</td>
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**Total Hours for Degree: 128**

### MAJOR IN CHEMISTRY, BIOTECHNOLOGY CONCENTRATION, B.S. DEGREE

**Liberal Studies Hours**: 42

**Core**
The major requires 40 hours in Chemistry as follows:
- CHEM 140 - Advanced General Chemistry, 4 hours
- CHEM 232 - Quantitative Analysis, 3 hours
- CHEM 241, 242 - Organic Chemistry I, II, 6 hours
- CHEM 272 - Organic Chemistry Lab, 2 hours
- CHEM 352 - Physical Chemistry I, 3 hours
- CHEM 361 - Principles of Biochemistry, 3 hours
- CHEM 370 - Instrumental Analysis I, 3 hours
- CHEM 371 - Chemical Dynamics, 2 hours
- CHEM 495 - Seminar in Chemistry, 1 hour
- PHYS 130-131 or 230-231 Introductory or General Physics, 8 hours
- MATH 140 - Introductory Calculus, 5 hours

**Biotechnology Concentration**
The concentration requires 11 hours as follows:
- BIOL 140, 141 - Principles of Biology I, II, 8 hours
- BIOL 333 - Cell and Molecular Biology, 4 hours
The concentration requires 9 hours selected from the following:
- CHEM 432 - Instrumental Analysis II, 3 hours
- CHEM 462 - Molecular Bioinformatics, 3 hours
- CHEM 463 - Molecular Biotechnology, 3 hours
- CHEM 464 - Genomics, 3 hours
- CHEM 470 - Advanced Instrumental Analysis Laboratory Credits (1)
Recommened electives include:
- BIOL 305 - Genetics and Evolution, 3 hours
- BIOL 413, 414 - Microbiology, 4 hours

General electives (26 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.

### CURRICULUM GUIDE FOR CHEMISTRY (BIOTECHNOLOGY CONCENTRATION) B.S. DEGREE

### FRESHMAN YEAR

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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

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Total Hours for Degree: 128

MAJOR IN CHEMISTRY, ENVIRONMENTAL CHEMISTRY CONCENTRATION, B.S. DEGREE

- Liberal Studies, 42 hours
- The major requires 43 hours in Chemistry as follows
  - CHEM 140 - Advanced General Chemistry, 4 hours
  - CHEM 232 - Quantitative Analysis, 3 hours
  - CHEM 241 - Organic Chemistry I, 3 hours
  - CHEM 242 - Organic Chemistry II, 3 hours
  - CHEM 272 - Organic Chemistry Lab, 2 hours
  - CHEM 352 - Physical Chemistry I, 3 hours
  - CHEM 361 - Principles of Biochemistry, 3 hours
  - CHEM 370 - Instrumental Analysis I, 3 hours
  - CHEM 371 - Chemical Dynamics, 2 hours
  - CHEM 495 - Seminar in Chemistry, 1 hour
  - MATH 140 - Introductory Calculus, 5 hours
  - MATH 270 - Statistical Methods I, 3 hours
  - PHYS 130-131 or 230-231 Introductory or General Physics, 8 hours
- Environmental Chemistry Concentration
  - The concentration requires 25 hours as follows
    - BIOL 140 - Principles of Biology I, 4 hours
    - CHEM 330 - Aquatic Chemistry, 2 hours
    - CHEM 461 - Environmental Chemistry, 3 hours
    - CHEM 470 - Advanced Instrumental Analysis Laboratory, 1 hour
    - GEOL 150 - Methods in Geology, 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 (18 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.

**CURRICULUM GUIDE FOR CHEMISTRY, ENVIRONMENTAL CHEMISTRY CONCENTRATION, B.S DEGREE**

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### SOPHOMORE YEAR

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| JUNIOR YEAR | | | | |
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

### SENIOR YEAR

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Total Hours for Degree 128

**MAJOR IN CHEMISTRY, INDUSTRIAL CHEMISTRY CONCENTRATION, B.S DEGREE**

Liberal Studies Hours 42
Core
The mayor requires 40 hours in Chemistry as follows

- CHEM 140 - Advanced General Chemistry, 4 hours
- CHEM 232 - Quantitative Analysis, 3 hours
- CHEM 241, 242 - Organic Chemistry I, II, 6 hours
- CHEM 272 - Organic Chemistry Lab, 2 hours
- CHEM 352 - Physical Chemistry I, 3 hours
- CHEM 361 - Principles of Biochemistry, 3 hours
- CHEM 370 - Instrumental Analysis I, 3 hours
- CHEM 371 - Chemical Dynamics, 2 hours
- CHEM 495 - Seminar in Chemistry Credits (1, R4)
- PHYS 130-131 or 230-231 Introductory or General Physics, 8 hours

Industri al Chemistry Concentration

- CHEM 311 Industrial Chemistry or Chemistry electives at the junior-senior level, 3 hours

The concentration requires 18 hours selected from the following, of which 9 hours must be junior/senior level

- ACCT 251 - Accounting Principles I—Financial, 3 hours
- ACCT 252 - Accounting Principles II—Managerial, 3 hours
- CMTD 315 - Organizational Communication, 3 hours
- ECN 231 - Introductory Microeconomics and Social Issues, 3 hours
- ECN 232 - Introductory Macroeconomics and Social Issues, 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
- MKT 306 - Introduction to Professional Selling, 3 hours

General electives (25 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.

CURRICULUM GUIDE FOR CHEMISTRY (INDUSTRIAL CHEMISTRY CONCENTRATION) B.S. DEGREE

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JUNIOR YEAR

FALL SEMESTER
Course and Number                              Hrs.  SPRING SEMESTER
Course and Number                              Hrs.
UL Perspectives                                  3  Jr-Sr Industrial Chem Elective          6
Jr-Sr Industrial Chem Electives                       3  P6 World Culture                     3
CHEM 361 Principles of Biochemistry                 3  Industrial Chemistry Electives          3
CHEM 371 Chemical Dynamics                          2  CHEM 352 Physical Chemistry I           3
PHYS 131 Introductory Physics II                    4  CHEM 472 Chemical Syntheses             2
                                                   15                                            17

After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

SENIOR YEAR

FALL SEMESTER
Course and Number                              Hrs.  SPRING SEMESTER
Course and Number                              Hrs.
Industrial Chemistry Electives                   6  General Elective                       15
Jr-Sr Elective                                   8  CHEM 495 Seminar in Chemistry          1
General Elective                                 2
                                                   16
Total Hours for Degree 128

MAJOR IN CHEMISTRY, PREMEDICAL/PREVETERINARY/PREDENTAL/ PREOPTOMETRY CONCENTRATION, B S DEGREE

Liberal Studies Hours 42

Core
The major requires 40 hours in Chemistry as follows
CHEM 140 - Advanced General Chemistry, 4 hours
CHEM 232 - Quantitative Analysis, 3 hours
CHEM 241 - Organic Chemistry I, 3 hours
CHEM 272 - Organic Chemistry Lab, 2 hours
CHEM 352 - Physical Chemistry I, 3 hours
CHEM 361 - Principles of Biochemistry, 3 hours
CHEM 370 - Instrumental Analysis I, 3 hours
CHEM 371 - Chemical Dynamics, 2 hours
CHEM 495 - Seminar in Chemistry Credits (I, R4)
MATH 140 - Introductory Calculus, 5 hours
PHYS 130-131 or 230-231 Introductory or General Physics, 8 hours

Premedical/Preveterinary/Predental/Preoptometry Chemistry Concentration
The concentration requires 14 hours as follows
BIOL 140, 141 Principles of Biology I,II, 8 hours
and 6 hours selected from the following
BIOL 305 - Genetics and Evolution, 3 hours
BIOL 311 - Animal Physiology, 3 hours
BIOL 333 - Cell and Molecular Biology, 4 hours
BIOL 413 - Principles of General Microbiology, 3 hours
BIOL 414 - Methods of General Microbiology, 2 hours

General electives (32 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.
# CURRICULUM GUIDE FOR CHEMISTRY (PREMEDICAL/PREVETERINARY/PREDENTAL/PREOPTOMETRY CONCENTRATION) B.S.

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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

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## MAJOR IN CHEMISTRY, TRADITIONAL CHEMISTRY CONCENTRATION, B.S. DEGREE

Liberal Studies, 42 hours

Core

- The major requires 43 hours in Chemistry as follows
  - CHEM 140 - Advanced General Chemistry, 4 hours
  - CHEM 232 - Quantitative Analysis, 3 hours
  - CHEM 241 - Organic Chemistry I, 3 hours
  - CHEM 242 - Organic Chemistry II, 3 hours
  - CHEM 272 - Organic Chemistry Lab, 2 hours
CHEM 352 - Physical Chemistry I, 3 hours  
CHEM 361 - Principles of Biochemistry, 3 hours  
CHEM 370 - Instrumental Analysis I, 3 hours  
CHEM 371 - Chemical Dynamics, 2 hours  
CHEM 495 - Seminar in Chemistry, 1 hour  
MATH 153 - Calculus I, 4 hours  
MATH 255 - Calculus II, 4 hours  
PHYS 230,231 - General Physics, 8 hours

**Traditional Chemistry Concentration**  
The concentration requires 12 hours as follows  
CHEM 321 - Inorganic Chemistry, 3 hours  
CHEM 432 - Instrumental Analysis II, 3 hours  
CHEM 453 - Physical Chemistry II, 3 hours  
CHEM 470 - Advanced Instrumental Analysis Laboratory, 1 hour  
CHEM 472 - Chemical Syntheses, 2 hours

General electives (31 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.

**CURRICULUM GUIDE FOR CHEMISTRY (TRADITIONAL CONCENTRATION)**  
**B.S DEGREE**  

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>Hrs.</th>
<th>SPRING SEMESTER</th>
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<td>CHEM 140 Adv General Chemistry</td>
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**SOPHOMORE YEAR**

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**JUNIOR YEAR**

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<td>CHEM 352 Physical Chemistry I</td>
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### SENIOR YEAR

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**Total Hours for Degree: 128**

### MAJOR IN CHEMISTRY, B.S. DEGREE-FOUR PLUS ONE CONCENTRATION

**Liberal Studies Hours: 42**

The major in chemistry requires 27 hours in Chemistry as follows:
- CHEM 140 - Advanced General Chemistry, 4 hours
- CHEM 232 - Quantitative Analysis, 3 hours
- CHEM 241, 242 - Organic Chemistry I, II, 3 hours
- CHEM 272 - Organic Chemistry Lab, 2 hours
- CHEM 352 - Physical Chemistry I, 3 hours
- CHEM 361 - Principles of Biochemistry, 3 hours
- CHEM 370 - Instrumental Analysis I, 3 hours
- CHEM 371 - Chemical Dynamics, 2 hours
- CHEM 495 - Seminar in Chemistry, 1 hour

**Four Plus One Chemistry Concentration**

The concentration requires 34 hours as follows:
- CHEM 380 - Research in Chemistry, 6 hours
- 12 hours of Chemistry electives selected from 532, 541, 542, 553, 554, 561, 562, 570 and 593
- MATH 153 - Calculus I, 4 hours
- MATH 255 - Calculus II, 4 hours
- PHYS 230-231 General Physics, 8 hours

General electives (25 hours), including at least 2 hours at the junior-senior level, are required to complete the program.

### CURRICULUM GUIDE FOR CHEMISTRY (FOUR PLUS ONE CONCENTRATION) B.S. DEGREE

**FRESHMAN YEAR**

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**SOPHOMORE YEAR**

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<td>CHEM 370 Instrumental Analysis I</td>
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<tr>
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<td>P5 Fine &amp; Performing Arts</td>
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## JUNIOR YEAR

### FALL SEMESTER

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### SPRING SEMESTER

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<td>CHEM 380 Research in Chemistry</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

## SENIOR YEAR

### FALL SEMESTER

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### SPRING SEMESTER

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## FIFTH YEAR

### FALL SEMESTER

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<td>CHEM 6xx Elective</td>
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<td>CHEM 696 Seminar</td>
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### SPRING SEMESTER

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<tr>
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<td>CHEM 699 Research</td>
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Total Hours for BS Degree 128 (BS + MS, 146)

## MAJOR IN SCIENCE EDUCATION (CONCENTRATION IN CHEMISTRY), B.S.ED.

### DEGREE

Liberal Studies Hours 42

The major requires 55 hours as follows

- 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, 3 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
- GEOL 150 - Methods in Geology, 4 hours
- GEOL 155 - Historical Geology, 4 hours
- MATH 130 - College Algebra, 3 hours
- MATH 140 - Introductory Calculus, 5 hours
- PHYS 130 or 131 Introductory Physics I or General Physics I, 4 hours
- PHYS 230 or 231 Introductory Physics II or General Physics II, 4 hours

Chemistry electives, 5 hours, 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.
### FRESHMAN YEAR

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<thead>
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<th>Course and Number</th>
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<td>MATH 130 College Algebra</td>
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<td>CHEM 232 Quantitative Analysis</td>
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<td>ENGL 102 Composition II</td>
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### SOPHOMORE YEAR

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### JUNIOR YEAR

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<td>EDSE 322 Principles/Methods</td>
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<td>GEOL 155 Historical Geology</td>
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<td>PSY 320 or 322 Adolescent</td>
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<td>SCI 491 Supervised Student Teaching 9-12</td>
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### SENIOR YEAR

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<td>GEOL 150 Methods in Geology</td>
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<td>PSY 321 Educational Psychology</td>
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<td>SCI 422 Sci Education</td>
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### MAJOR IN SCIENCE EDUCATION (CONCENTRATION IN PHYSICS), B.S.E.D. DEGREE

- Liberal Studies Hours 42

The major requires 55 hours as follows:
- 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, 3 hours
GEOL 150 - Methods in Geology, 4 hours
GEOL 155 - Historical Geology, 4 hours
MATH 130 - College Algebra, 3 hours
MATH 140 - Introductory Calculus, 5 hours
PHYS 310 - Modern Physics, 3 hours
PHYS 360 - Laboratory Physics, 2 hours
PHYS 130 or 131 Introductory Physics I or General Physics I, 4 hours
PHYS 230 or 231 Introductory Physics II or General Physics II, 4 hours
Physics electives, 10 hours (2 hours must be at the junior-senior level)

CURRICULUM GUIDE FOR SCIENCE EDUCATION (CONCENTRATION IN PHYSICS) B.S.ED. DEGREE

FRESHMAN YEAR

FALL SEMESTER
Course and Number                  Hrs.          SPRING SEMESTER
190 Series First Year Seminar      3            P3 History       3
JS 101 Jumpstart                   0            P4 Humanities    3
CHEM 140 Adv General Chemistry     4            BIOL 140 Principles of Biology I  4
ENGL 101 Composition I             3            CMHC 201 Communication 3
HEAL or HSCC 123/101 Wellness      3            ENGL 102 Composition II 3
MATH 130 College Algebra           3

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SOPHOMORE YEAR

FALL SEMESTER
Course and Number                  Hrs.          SPRING SEMESTER
General Elective                   3            P5 Fine & Performing Arts 3
BIOL 141 Principles of Biology II  4            P1 Social Sciences 3
EDCI 231 Curricular Instruction    3            GEOL 155 Historical Geology 4
GEOL 150 Methods in Geology        4            PHYS 131 or 231 Intro Physics II 4
PHYS 130 or 230 Intro Physics I    4            or General Physics II
or General Physics I               3

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JUNIOR YEAR

FALL SEMESTER
Course and Number                  Hrs.          SPRING SEMESTER
P1 Social Sciences                 3            PHYS Elective       4
PHYS Elective                     3            General Elective    4
EDSE 322 Instructional Methods    2            CHEM 232 Quantitative Analysis 3
MATH 140 Introductory Calculus    5            PHYS 360 Laboratory Physics 3
PHYS 310 Modern Physics           3            PHYS 320 or 322 Child/Adoles Dev 3

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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

SENIOR YEAR

FALL SEMESTER
Course and Number                  Hrs.          SPRING SEMESTER
PHYS Jr-Sr Elective                3            EDSE 490 Supervised Stud Teaching 6
General Elective                   5            EDSE 495 Seminar    3
P6 Jr-Sr World Culture             3            SCI 491 Supervised Student Teaching 3
PSY 321 Educational Psychology     3            in the Sciences
SCI 422 Science Methods           3

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Total Hours for Degree 128

Students may finish earlier if they attend summer school at WCU or another approved institution.
The professional education sequence (28 hours) for secondary and special subject teaching and 3 hours of general electives are required to complete the program

**MAJOR IN FORENSIC SCIENCE, B.S. DEGREE**

- Liberal Studies Hours 42

- The major requires 66 hours as follows
  - ANTH 251 - Introduction to Forensic Anthropology, 3 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, 3 hours
  - CHEM 241 - Organic Chemistry I, 3 hours
  - CHEM 370 - Instrumental Analysis I, 3 hours
  - CJ 290 - Introduction to Forensic Science, 3 hours
  - CJ 323 - Crime Scene Investigations, 3 hours
  - CJ 430 - Evidence and Criminal Procedure, 3 hours
  - CLS 300 - Microscopy/Phlebotomy, 1 hour
  - CLS 315 - Molecular Diagnostics, 3 hours
  - FS 380 or 389 - Research in Forensic Science/Cooperative Education in Forensic Science, 3 hours
  - FS 495 - Senior Seminar in Forensic Science, 1 hour
  - MATH 140 - Introductory Calculus, 5 hours
  - PHYS 130 - Introductory Physics I, 4 hours
  - PHYS 131 - Introductory Physics II, 4 hours
  - PSY 375 - Forensic Psychology, 3 hours

- One concentration selected from Biology, Chemistry, or Health Sciences (9 hours)
  - **Biology Concentration (9 hours selected from)**
    - BIOL 240 - Introduction to Genetics, 4 hours
    - BIOL 333 - Cell and Molecular Biology, 4 hours
    - BIOL 361 - Principles of Biochemistry, 3 hours or
    - CHEM 361 - Principles of Biochemistry, 3 hours

- **Chemistry Concentration (9 hours selected from)**
  - BIOL 361 - Principles of Biochemistry, 3 hours or
  - CHEM 361 - Principles of Biochemistry, 3 hours
  - CHEM 242 - Organic Chemistry II, 3 hours
  - CHEM 352 - Physical Chemistry I, 3 hours
  - CHEM 432 - Instrumental Analysis II, 3 hours

- **Health Sciences (9 hours selected from)**
  - CLS 304 - Immunology, 3 hours
  - ENVH 375 - Environmental Toxicology, 3 hours
  - ENVH 380 - Biosafety and Bioterrorism, 3 hours
  - HSCC 370 - Introduction to Pharmacology, 2 hours
  - HSCC 371 - Pharmacology Techniques, 1 hour

- **Recommended Electives**
  - ANTH 364 - Human Osteology, 3 hours
  - ANTH 400 - Advanced Topics in Human Osteology, 3 hours
  - ANTH 401 - Osteopathology, 3 hours
  - BIOL 467 - Biostatistics, 3 hours
  - CHEM 272 - Organic Chemistry Lab, 2 hours
  - PSY 370 - Psychology and Law, 3 hours
  - PSY 470 - Abnormal Psychology, 3 hours

- General electives, 12 hours, are required to complete the program. Students must take at least 30 hours at the junior-senior level at WCU to satisfy general university degree requirements.
### FRESHMAN YEAR

#### FALL SEMESTER

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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

### CURRICULUM GUIDE FOR FORENSIC SCIENCE (CHEMISTRY CONCENTRATION) B.S. DEGREE

#### FRESHMAN YEAR

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Total Hours for Degree 120

**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, THEATRE, AND DANCE**

Susan Brown-Strauss, head


For information on special majors in this department that are available through the Humanities Program, please check the Humanities copy under “The Honors College” in the catalog or contact The Honors College at (828) 227-7383

**MAJOR IN COMMUNICATION, B.S. DEGREE**

**Liberal Studies Hours 42**

The major requires 47 hours, including 26 required hours in communication core courses (CMCR) and a 21-23 hour concentration.

Required Communication Core Courses, 26 hours

CIS 304 - Business Communications, 3 hours
or ENGL 401 - Writing for Careers, 3 hours
CMCR 140 - Introduction to Communication Media, 3 hours
CMCR 150 - Interpersonal Communication, 3 hours
CMCR 250 - Public Communication, 3 hours
CMCR 296 - Introduction to Professional Development, 1 hour
CMCR 301 - Writing for Communication Media, 3 hours
CMCR 350 - Communication Theory, 3 hours
CMCR 365 - Communications Ethics and Responsibilities, 3 hours
CMCR 483 - Internship in Communications, 3 hours
CMCR 496 - Seminar in Professional Development, 1 hour

Concentrations, at least 21-23 hours, selected from

Broadcasting (CMEM) BCST 352, 354, 355, 454, and 455, LAW 406 required, 6 hours selected from BCST 456, 457, 458, 459, CMEM 351, 450, 451, 493 and CMPM 306, or 3 hours of advisor-approved courses

Broadcasting Sales (BCST) BCST 4581 CMPM 303, ENT 201, MKT 301, 306, 310, 409, 410, and 411 required, 6 hours selected from BCST 352, 354, 355, 457, CMCR 483, MKT 302, 403, 405, or 3 hours of advisor-approved courses

Communication Training and Development (CMTD) CMTD 312, 313, 315, 416 required, 9 hours selected from CMHC 314, 410, 411, 414, 415, CMTD 493 and CMPM 306, or 3 hours of advisor-approved courses

Print Media (CMPM) CMPM 303, 304, 306, 401 and 404 required, 6 hours from the following CMPM 302, 305, 402, 403, 406, 493, CMTD 315, and CMPR 360, or 3 hours of advisor-approved courses

Public Relations (CMPR) CMPR 303, 401, 404, CMPR 360, 365, 460, 3 hours selected from CMPR 400, 493, CMTD 315, CMPM, 304, 306, 403, or 3 hours of advisor-approved courses

At least 30 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 required for the major and maintain a 2.5 overall GPA.

CURRICULUM GUIDE FOR COMMUNICATION (BROADCASTING SALES CONCENTRATION) B.S. DEGREE

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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

#### SUMMER SCHOOL I

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<th>SPRING SEMESTER</th>
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#### SENIOR YEAR

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Total Hours for Degree 120

Students may finish earlier if they attend summer school at WCU or another approved institution.

#### FRESHMAN YEAR

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#### SOPHOMORE YEAR

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## CURRICULUM GUIDE FOR COMMUNICATION (PRINT MEDIA CONCENTRATION) B.S. DEGREE

### JUNIOR YEAR

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<td>CMTD 313 Conflict Resolution</td>
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### SUMMER SCHOOL I

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### TOTAL HOURS FOR DEGREE: 120

Students may finish earlier if they attend summer school at WCU or another approved institution.

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FRESHMAN YEAR

### FALL SEMESTER

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<td>P3 History</td>
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<td>CMCR 190 A User’s Guide</td>
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<td>ENGL 101 Composition I</td>
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### SOPHOMORE YEAR

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<td>CMCR 150 Interpersonal Comm</td>
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Total Hours for Degree: 120

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### CURRICULUM GUIDE FOR COMMUNICATION (PUBLIC RELATIONS CONCENTRATION) B.S. DEGREE

#### FRESHMAN YEAR

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<td>CMCR 190 A User's Guide to Mass Media</td>
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### SENIOR YEAR

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Total Hours for Degree: 120

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### MAJOR IN SPEECH AND THEATRE ARTS, B.A. DEGREE

See Communication B S for additional concentrations.

Liberal Studies, 42 hours

The Theatre concentration requires 47 hours as follows:

- CMTA 130 - Makeup, 1 hour
- CMTA 131 - Introduction to Professions in Theatre, 3 hours
- CMTA 140 - Acting I, 3 hours
- CMTA 170 - Theatre Production Seminar, 1 hour
- CMTA 231 - Stagecrafts for Theatre, Motion Pictures and TV, 3 hours
- CMTA 302 - Dramatic Literature and Criticism, 3 hours
- CMTA 332 - Introduction to Design for Stage and Screen, 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
- MFL 231, 232, or 240, 6 hours
- 8 hours of CMTA junior-senior electives

To complete the program, a total of 31 hours is required, including a minor, second major, or approved program, and at least 12 hours of general electives. At least 30 hours taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.
# CURRICULUM GUIDE FOR SPEECH AND THEATRE ARTS B.A. DEGREE

## FRESHMAN YEAR

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## SOPHOMORE YEAR

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## SUMMER SCHOOL I

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## JUNIOR YEAR

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</table>

Total Hours for Degree. 120

Students may finish earlier if they attend summer school at WCU or another approved institution.
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. Each student will be required, upon admission, to declare an area of emphasis, either Performance or Design/Tech. Within the area of emphasis, the student will then declare a concentration. Within the Performance emphasis, the concentrations are Acting or Musical Theatre, within the Design/Tech emphasis, concentrations are Technical Production, Scenic Design, Costume Design, or Lighting Design. 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, Theatre, and Dance.

The major requires 128 hours as follows:

- Liberal Studies, 42 hours
- Required Theatre Core Courses, 35 hours
- Performance or Design/Tech focus, 25 hours, and Concentration, 26 hours
- Required courses, 34 hours
  - CMTA 130 - Makeup, 1 hour
  - CMTA 131 - Introduction to Professions in Theatre, 3 hours
  - CMTA 140 - Acting I, 3 hours
  - CMTA 170 - Theatre Production Seminar, 1 hour
  - CMTA 231 - Stagecrafts for Theatre, Motion Pictures and TV, 3 hours
  - CMTA 240 - Voice and Articulation, 3 hours
  - CMTA 302 - Dramatic Literature and Criticism, 3 hours
  - CMTA 332 - Introduction to Design for Stage and Screen, 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

- For Performance emphasis students, a performance core of 14 hours. CMTA 341, DA 258, DA 301, MUS 258, and 4 hours from MUS 106 and 206, and one of the following concentrations:
  - Acting Concentration, 18 hours. 9 hours from CMTA 345, 346, 351, 441, 6 hours from DA 253, 255, 259, 264, 302, PE 207, and 3 hours from ENGL 333, ENGL 431
  - Musical Theatre Concentration, 26 hours. MUS 108, 118, 148, 149, 3 hours from 171 or 371, 3 hours from 175 or 370, 208, 218, 304, 2 hours of 306, 2 hours of 406, 410

- For design/tech students, a design/tech core of 15 hours. ART 136, 137, HIST 221, 222, 3 hours from ENGL 333, 431, and one of the following concentrations:
  - Costume Design Concentration, 17 hours. CMTA 332, 333, 337, 437, 438, ART 131, HEAL 250
  - Lighting Design Concentration, 17 hours. CMTA 332, 337, 435, HEAL 250, 6 hours from ART 131, ET 132, IDES 251
  - Scenic Design Concentration 17 hours. CMTA 332, 333, 433, HEAL 250, 6 hours from ART 131, ET 132, IDES 251
  - Technical Production Concentration 17 hours. CMTA 332, HEAL 250, 6 hours from CMTA 333, 335, 337, 438, 6 hours from ART 131, ET 132, IDES 251
To complete the program, general electives to total 128 hours are required. A student will have only one concentration in the B.F.A degree. At least 32 hours taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.

### CURRICULUM GUIDE FOR THEATRE (ACTING CONCENTRATION) B.F.A DEGREE

#### FRESHMAN YEAR

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<tr>
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<td>CMTA 131 Intro to Theatre</td>
<td>CMTA 231 Stagecrafts I</td>
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Admission to the program requires an audition/interview with departmental faculty. It will be very difficult to complete this program if a student is not admitted prior to the sophomore year.

#### SOPHOMORE YEAR

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#### SENIOR YEAR

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Total Hours for Degree 128
CURRICULUM GUIDE FOR THEATRE (MUSICAL THEATRE CONCENTRATION)

B.F.A. DEGREE

FRESHMAN YEAR

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JUNIOR YEAR

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Total Hours for Degree: 128
# CURRICULUM GUIDE FOR THEATRE (COSTUME DESIGN CONCENTRATION)  
## B.F.A. DEGREE

### FRESHMAN YEAR

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Total Hours for Degree 128
### CURRICULUM GUIDE FOR THEATRE (LIGHTING DESIGN CONCENTRATION)

#### B.F.A. DEGREE

**FRESHMAN YEAR**

<table>
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**Junior Year**

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Total Hours for Degree: 128

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**CURRICULUM GUIDE FOR THEATRE (SCENIC DESIGN CONCENTRATION)

#### B.F.A. DEGREE**

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>Course and Number</th>
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<th>SPRING SEMESTER</th>
<th>Course and Number</th>
<th>Hrs.</th>
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**Admission to the program requires an audition/interview with departmental faculty. It will be very difficult to complete this program if a student is not admitted prior to the sophomore year.**

---

**After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.**

---

**Total Hours for Degree: 128**
Admission to the program requires an audition/interview with departmental faculty. It will be very difficult to complete this program if a student is not admitted prior to the sophomore year.

### SOPHOMORE YEAR

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<thead>
<tr>
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<td>P4 Humanities</td>
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### JUNIOR YEAR

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<td>HIST 221 European History to 1517</td>
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### SENIOR YEAR

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Total Hours for Degree 128

### CURRICULUM GUIDE FOR THEATRE (TECHNICAL PRODUCTION/CONCENTRATION) B.F.A. DEGREE

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**JUNIOR YEAR**

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**Total Hours for Degree. 128**

**MAJOR IN MOTION PICTURE AND TELEVISION PRODUCTION, B.F.A. DEGREE**

**Liberal Studies, 42 hours**

- The major requires 41 hours in Motion Pictures and Television core courses and a 21 hour concentration in either Motion Pictures or Television.

**Required Motion Picture and Television Production Core Courses, 41 hours**

- CMCR 140 - Introduction to Communication Media, 3 hours
- CMCR 483 - Internship in Communication, 3 hours
- CMEM 250 - Basic Production Techniques, 3 hours
- CMEM 286 - Production Practicum I, 1 hour
- CMEM 353 - Storytelling for the Screen, 3 hours
- CMEM 357 - Non-linear editing, 3 hours
- CMEM 365 - Producing, 3 hours
- CMEM 386 - Production Practicum II, 1 hour
- CMEM 450 - Directing for the Screen, 3 hours
- CMEM 488 - Senior Project I, 1 hour
- CMEM 489 - Senior Project II, 2 hours
- CMTA 231 - Stagecrafts for Theatre, Motion Pictures and TV, 3 hours
- ENGL 310 - Introduction to Screenwriting, 3 hours
MUS 383 - Music and Audio in Media, 3 hours
Elective, 3 hours

**Motion Picture Concentration, 21 hours**
BCST 355 - Television Production I, 3 hours
CMEM 435 - Intermediate Cinematography, 3 hours
CMEM 460 - Directing the Documentary, 3 hours
CMEM 461 - Advanced Directing, 3 hours
ENGL 278 - Introduction to Film Studies, 3 hours
ENGL 406 - Screenwriting II Credits 3 (or other approved screenwriting course)
MUS 469 - Music in Motion Pictures, 3 hours

**Television Concentration, 21 hours**
Elective in Concentration, 6 hours
BCST 355 - Television Production I, 3 hours
BCST 455 - Television Production II, 3 hours
CMEM 351 - Comparative Studies in Motion Pictures/TV, 3 hours
CMEM 435 - Intermediate Cinematography, 3 hours
LAW 406 - Media Law, 3 hours

**Additional Requirements**
16 additional hours to meet the 120 hour degree requirement
2 5 GPA (Any course in the major with less than a “C” must be repeated)

**CURRICULUM GUIDE FOR MOTION PICTURE AND TELEVISION PRODUCTION, B.F.A. DEGREE**

**FRESHMAN YEAR**

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**SOPHOMORE YEAR**

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**JUNIOR YEAR**

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SUMMER SCHOOL

FALL SEMESTER
Course and Number
CMCR 483 Internship in Comm

Hrs.
3

SPRING SEMESTER
Course and Number
CMEM 489 Senior Project II

Hrs.
2

SENIOR YEAR

FALL SEMESTER
Course and Number
General Elective
CMEM 386 Production Practicum II
CMEM 461 Advanced Directing
CMEM 488 Senior Project I
MUS 469 Music in Motion Pictures

Hrs.
6
1
3
1
3

SPRING SEMESTER
Course and Number
ART 479 Motion Graphics
CMEM 489 Senior Project II
MUS 383 Music and Audio in Media

Hrs.
3
2
3

Total Hours for Degree 120

Students must have a 2.5 overall GPA or better to enter and to remain in the program. Students falling below a 2.5 GPA will be on departmental probation for one semester. If grades are not improved, students will be dropped from the program. Students must receive a C or better in each course required for the major or they must retake the course.

Students must own or purchase a hard drive per department specifications.

Minor in Broadcast Sales
This minor is designed to prepare students for a career in media sales. The minor requires 18 hours including (please check the catalog description for specific requirements):

- BCST 458 - Broadcast Sales and Promotion, 3 hours
- CMPM 303 - Public Relations Writing, 3 hours
- MKT 306 - Introduction to Professional Selling, 3 hours
- MKT 310 - Consultative Selling, 3 hours
- MKT 409 - Negotiations/Relationship Marketing, 3 hours
- MKT 410 - Sales Management and Negotiation, 3 hours

Note:
A student majoring or minoring in Media Sales cannot pass the above-listed courses with a grade below C- (minus) and still have that course count toward satisfying the minor in Media Sales.

Minor in Communication
The minor requires 21 hours CMCR 140, 150, 250, 301, 350, 365, and CMPM 401.

Minor in Dance
The minor requires 20 hours, including DA 259, 260, and 301, plus 10 hours selected from DA 256, 261, 262, 303, 304, and 305, plus an additional 4 hours selected from DA 253, 255, 257, 258, 263, 302, 306, 307.

Minor in Media Sales
This minor is designed to prepare students for a career in media sales. The minor requires 18 hours including CMPM 303, CMEM 458, MKT 306, MKT 310, MKT 409, and MKT 410. Please check the catalog description for specific requirements.

Note: A student majoring or minoring in Media Sales cannot pass the above-listed courses with a grade below C- (minus) and still have that course count toward satisfying the minor in Media Sales.
Munor 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 and updates, please see department web site www.wcu.edu/as/english

Elizabeth Addison, head


For information on special majors in this department that are available through the Humanities Program, please check the Humanities copy under The Honors College in the catalog or contact The Honors College at (828) 227-7383.

MAJOR IN ENGLISH, B A. DEGREE

Journalism Concentration

Liberal Studies Hours 42

The major requires 48 hours as follows

CMCR 465 Communication Ethics and Responsibilities, 3 hours
CIS 293 - Topics in Computer Information Systems, 1-4, R4 hours
CMCR 140 - Introduction to Communication Media, 3 hours
CMCR 301 - Writing for Communication Media, 3 hours
CMCR 302 - Reporting of Public Affairs, 3, R6 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 307 - Professional Editing and Publishing, 3 hours
ENGL 389 - Cooperative Education Professional Writing, 1 or 3, R15 hours
ENGL 497 - Senior Seminar in Writing, 3 hours
MFL 231, 232, or 240, 6 hours

6 Hours Selected From
CMNP 303 - Public Relations Writing, 3 hours
CMNP 304 - Magazine and Feature Writing, 3 hours
CMNP 305 - Sports Writing, 3 hours
CMNP 493 - Selected Topics in Print Media, 3, R9 hours
ENGL 306 - Nonfiction Writing, 3 hours
ENGL 312 - Grammar for Teachers, 3 hours
ENGL 412 - Grammar for Writers, 3 hours

To complete the program, a total of 30 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.
# CURRICULUM GUIDE FOR ENGLISH (JOURNALISM CONCENTRATION) B.A. DEGREE

## FRESHMAN YEAR

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<td>C5 Physical &amp; Biological Science</td>
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<td>MATH 101 Mathematical Concepts</td>
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## SOPHOMORE YEAR

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<td>MFL 231 Intermediate For Lang I</td>
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<td>P3 History</td>
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<td>CIS 293 Topics in Comp Info Syst</td>
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<td>P5 Fine &amp; Performing Arts</td>
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<td>CMCR 140 Intro to Comm Media</td>
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## JUNIOR YEAR

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<td>CMCR 365 Comm Ethics</td>
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<td>CMCR 301 Wnt for Comm Media</td>
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<td>ENGL 261 Survey Am Lit I</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

## SENIOR YEAR

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<td>ENGL/CMPM Journalism Elective</td>
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<td>CMPM 302 Report Public Affairs</td>
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<td>ENGL 497 Senior Seminar in Writing</td>
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<td>ENGL 389/483 Cooperative Education</td>
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Total Hours for Degree: 120

- The B.A. in English Journalism requires a Minor. This curriculum assumes a minor of 18 credit hours. The curriculum may need to be adjusted for Minors requiring different hours.
- See catalog and advisor for guidelines regarding where a student should begin his or her language course of study. Should a student need or desire to take 101 and/or 102, either can count for P6.
- A student should always develop a course of study in consultation with his or her English Department Advisor.
- Students may finish earlier if they attend summer school at WCU or another approved institution. Students often complete their Coop/Internship during a summer session.
MAJOR IN ENGLISH, B.A. DEGREE

Literature Concentration

Liberal Studies Hours. 42
The major requires 42 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 496 - Seminar in Comparative Literature, 3 hours
MEFL 231, 232, 240, 6 hours
15 hours of 300-400 level literature courses as selected by the student and advisor

To complete the program, a total of 36 hours is required, including a minor, second major, or other approved program and general electives. Students must take at least 32 hours at the 300-400 level at WCU in order to satisfy general university degree requirements

CURRICULUM GUIDE FOR ENGLISH (LITERATURE CONCENTRATION) B.A. DEGREE

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<td>MFL 101 Intro Foreign Language I</td>
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<td>MFL 231 Interim For Lang II</td>
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<td>P5 Fine &amp; Performing Arts</td>
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<td>ENGL 252 Survey of English Lit II</td>
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<td>ENGL Jr-Sr Literature Elective</td>
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<td>ENGL 262 Survey of American Lit II</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.
SENIOR YEAR

FALL SEMESTER

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<tr>
<td>ENGL Jr-Sr Literature Elective</td>
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<td>General Elective</td>
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<td>CMPM 302 Reporting Pub Affairs</td>
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<td>ENGL 498 Senior Seminar in Lit</td>
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| Total Hours for Degree | 120 |

SPRING SEMESTER

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<td>ENGL 389/483 Cooperative Education</td>
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15

15

Total Hours for Degree: 120

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- A student should always develop a course of study in consultation with his or her English Department Advisor.
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MAJOR IN ENGLISH, B.A. DEGREE

Professional Writing Concentration

Liberal Studies, 42 hours

The major requires 42 hours as follows:

- MFL 231, 232 or 240, 6 hours
- 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 302 - Introduction to Creative Writing and Editing, 3 hours
- ENGL 303 - Introduction to Professional Writing and Editing, 3 hours
- ENGL 389 - Cooperative Education Professional Writing, 3 hours or ENGL 483 - Writing Internship, 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 307 - Professional Editing and Publishing, 3 hours
- ENGL 308 - Fiction Writing, 3, R6 hours
- ENGL 309 - Poetry Writing, 3, R6 hours
- ENGL 310 - Introduction to Screenwriting, 3 hours
- ENGL 313 - Authoring Multimedia, 3 hours
- ENGL 401 - Writing for Careers, 3 hours
- ENGL 405 - Advanced Creative Writing, 3 hours
- ENGL 412 - Grammar for Writers, 3 hours or ENGL 312 - Grammar for Teachers, 3 hours
- ENGL 493 - Topics in Creative Writing, 3 hours

6 hours selected from 300-400 level literature courses

To complete the program, a total of 36 hours is required, including a minor, second major, or other approved program and general electives. Students must take at least 32 hours at the 300-400 level at WCU in order to satisfy general university degree requirements.
CURRICULUM GUIDE FOR ENGLISH (PROFESSIONAL WRITING CONCENTRATION) B.A. DEGREE

FRESHMAN YEAR

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SOPHOMORE YEAR

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JUNIOR YEAR

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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier

SENIOR YEAR

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<td>ENGL 389/483 Cooperative Educ</td>
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Total Hours for Degree 120

Students may finish earlier if they attend summer school at WCU or another approved institution

- The BA in English Professional Writing requires a Minor. This curriculum assumes a minor of 18 credit hours. The curriculum may need to be adjusted for Minors requiring different hours.
- See catalog and advisor for guidelines regarding where a student should begin his or her language course of study. Should a student need or desire to take 101 and/or 102, either can count for P6.
- A student should always develop a course of study in consultation with his or her English Department Advisor.
MAJOR IN ENGLISH, B.A. DEGREE

Motion Picture Studies Concentration

Liberal Studies, 42 hours

The major requires 39 hours as follows

MFL 231, 232 or 240, 6 hours

Motion Picture Studies Core (21 hours)
- ENGL 231 - The Interpretation of Literature, 3 hours
- ENGL 278 - Introduction to Film Studies, 3 hours
- ENGL 308 - Fiction Writing, 3 hours
- ENGL 310 - Introduction to Screenwriting, 3 hours
- ENGL 378 - Film History, 3 hours
- ENGL 394 - Film Studies, 3 hours
- ENGL 478 - Film Theory, 3 hours

12 hours of 300-400 level courses to be determined by the student and advisor. Suggested but not required:
- CMEM 351
- PAR 309
- ENGL 331
- ENGL 405

To complete the program, a total of 39 hours is required, including a minor, second major, or other approved program and general electives. Students must take at least 32 hours at the 300-400 level at WCU to satisfy general university degree requirements.

CURRICULUM GUIDE FOR ENGLISH (MOTION PICTURE STUDIES CONCENTRATION), B.A. DEGREE

FRESHMAN YEAR

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<th>SPRING SEMESTER</th>
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<tr>
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<td>HEAL or HSCC 123/101 Wellness</td>
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SOPHOMORE YEAR

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<th>SPRING SEMESTER</th>
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<tbody>
<tr>
<td>P1 Social Sciences</td>
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<tr>
<td>MFL 231 Intermediate For Lang</td>
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<td>MFL 232 Intermediate For Lang II</td>
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<tr>
<td>ENGL 231 The Interpretation of Lit</td>
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<td>ENGL 308 Fiction Writing</td>
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<tr>
<td>ENGL 278 Introduction to Film Studies</td>
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<td>ENGL 310 Intro to Screenwriting</td>
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JUNIOR YEAR

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<td>CMEM 351 Comp Studies in Film</td>
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<td>ENGL 378 Film History</td>
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<td>ENGL 394 Film Studies</td>
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<td>PAR 309 Philosophy In and Of Film</td>
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<td>ENGL 478 Film Theory</td>
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</table>
After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

### SENIOR YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Hrs</th>
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<td>ENGL 331 Literary Theory</td>
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<td>ENGL 405 Advanced Creative Writing</td>
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</table>

Total Hours for Degree 120

**MAJOR ENGLISH, B.S.ED. DEGREE**

**Liberal Studies, 42 hours**

The major requires 51 hours as follows:

- **MFL** Any six hours in any one language which do not count for P6 Liberal Studies credit (for instance, if MFL 101 counts for P6 credit, student must take 102 and 231 to fulfill English Education requirement)
- 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, 3 hours
- ENGL 312 - Grammar for Teachers, 3 hours
- ENGL 319 - The Teaching of Grammar, 3 hours
- ENGL 414 - Fundamentals of Teaching Composition, 3 hours

3 Hours From Either

- ENGL 411 The History of the English Language
- ENGL 416 Teaching English as a Second Language

- **EDRD 467** Adolescent Literature, 3 hours (*Note that the Department of B-K, Elementary and Middle Grades has changed the prefix on this course)

Electives (3 hours) from

- ENGL 365 African-American Writings
- ENGL 366 Literature of American Immigration
- ENGL 367 Appalachian Literature
- ENGL 464 Native American Literature
- ENGL 477 Literature and Gender

Electives (3 hours) from

- ENGL 390 The Bible as Literature
- ENGL 421 Fairy Tale Literature
- ENGL 470 Twentieth-Century and Contemporary Postcolonial Literature
- ENGL 496 Seminar in Comparative Literature

Electives (3 hours) from

- ENGL 420 Chaucer and His Age
- ENGL 431 Shakespeare and His Age
- ENGL 440 Milton and His Age
- ENGL 450 Major American and British Writers

Electives (6 hours) from 2 courses from any area or field of study. Students are encouraged to investigate upper-level non-required courses in writing (English), modern foreign languages, technology, or special education

The professional education sequence (28 hours) for secondary and special subject teaching is required to complete the program. For more thorough preparation, English Education majors are encouraged to take the two-part internship (EDSE 484, Internship I, and EDSE 485, Internship II) rather than EDSE 490, Student Teaching, and SPED 336 (3) instead of SPED 335 (2). Doing so adds 4 hours.
Students must take at least 32 hours at the junior-senior level at WCU in order to satisfy general university 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.

**CURRICULUM GUIDE FOR ENGLISH B.S.ED. DEGREE**

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
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<th>SPRING SEMESTER</th>
<th>Course and Number</th>
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<td>C5 100 Level Science Options</td>
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<td>C5 or P3 100 Science or Social Science</td>
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<td>MFL 102 Spanish/French/German</td>
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<td>P6 World Culture</td>
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<td>C4 Wellness</td>
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<td>C3 CMHC 201 Communication</td>
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<td>C2 MATH 101 Mathematical Concepts</td>
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<td>C1 ENGL 102 Composition II</td>
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<td>EDCI 231 Foundations of Education</td>
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**SOPHOMORE YEAR**

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<th>Hrs.</th>
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<td>P4 Humanities</td>
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<td>P6 MFL 231 World Culture</td>
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<td>P5 Fine &amp; Performing Arts</td>
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<td>P3 History</td>
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<tr>
<td>General Elective</td>
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<td>ENGL 251 Survey of English Lit I</td>
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<tr>
<td>EDCI 322 Methods of Teaching</td>
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<td>ENGL 261 Survey of American Lit I</td>
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<td>ENGL 231 The Interpretation of Lit</td>
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<td>ENGL 312 Grammar for Teachers</td>
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**JUNIOR YEAR**

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<tr>
<td>General Elective</td>
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<td>3</td>
<td>ENGL 319 The Teaching of Grammar</td>
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<tr>
<td>PSY 320 or 322 Adolescent Dev</td>
<td></td>
<td>3</td>
<td>ENGL 414 Fund of Teaching Comp</td>
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<tr>
<td>ENGL 252 Survey of English Lit II</td>
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<td>3</td>
<td>ENGL 390 or 421 or 470 or 496</td>
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<td>ENGL 262 Survey of American Lit II</td>
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<td>World Cultures Category</td>
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<td>ENGL 365 or 367 or 464 or 477</td>
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<td>ENGL 420, 431, 440, or 450 Major</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

**SENIOR YEAR**

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<tr>
<th>FALL SEMESTER</th>
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<td>EDCI 491 Supervised Student Teach</td>
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<td>ENGL 417 Meth of Teach English</td>
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<td>EDCI 485 - Internship II</td>
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<td>PSY 321 Educational Psychology</td>
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<td>EDCI 495 Seminar</td>
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<td>SPED 336 Teach Except Children</td>
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<td>EDCI 491 Supervised Student Teach</td>
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</table>

Total Hours for Degree 125
If you choose to take SPED 335, one additional hour of electives is required.

If you choose to do traditional student teaching (EDSE 490) rather than Internship I and II, three additional hours of electives are required.

Students may finish earlier if they attend summer school at WCU or another approved institution.

**Minors**
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 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 100-200 level liberal studies 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 100-200 level liberal studies credit.

**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, 368, 394, 478, CMEM 351, 451, and PAR 309.

**Minor in Journalism**
The minor requires 18 hours, including 12 hours selected from the following courses: CMCR 140, 301, 465, 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 100-200 level liberal studies 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 100-200 level liberal studies credit (Not open to those pursuing the B.A. in English with a concentration in professional writing).

---

**GEOSCIENCES AND NATURAL RESOURCES MANAGEMENT**

*Mark Lord, head*

P Bates, J Bugden-Storie, R Davis, L DeWald, P Hembree, D Kinner, L Kolenbrander, J Miller, J Neff, B Tanner, C Waters-Tormey, 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

The major requires 64 hours, including 29 hours in core courses and 35 hours in a concentration.
Core, 29 hours

- GEOL 150 - Methods in Geology, 4 hours
- GEOL 155 - Historical Geology, 4 hours
- GEOL 250 - Introduction to the Rock Forming Minerals, 3 hours
- GEOL 305 - Soils and Hydrology, 4 hours
- GEOL 355 - Petrology, 3 hours
- GEOL 371 - Structural Geology, 4 hours
- GEOL 422 - Sedimentation and Stratigraphy, 4 hours
- Capstone course such as a research project, senior thesis, or senior research seminar, 3 hours

Environmental Hydrology Concentration, 35 hours

- MATH 145, 146 and 153 (10 hours) or MATH 140 and 270 (8 hours)
- CHEM 140 - Advanced General Chemistry, 4 hours
- CHEM 330 - Aquatic Chemistry or CHEM 461 - Environmental Chemistry, 3 hours
- GEOL 405 - Hydrogeology, 4 hours
- PHYS 130 or 230 - Introductory or General Physics I, 4 hours
- Upper-level electives in sciences or mathematics chosen from courses below or one approved by advisor, 10 to 12 hours
- GEOL 260 - Oceanography, 3 hours
- GEOL 410 - Fluvial Geomorphology, 3 hours
- GEOL 420 - Assessment, Remediation, and Restoration of Contaminated Rivers, 3 hours
- GEOL 450 - Wetlands, 3 hours

Solid Earth Concentration, 35 hours

- MATH 145, 146 and 153 (10 hours) or MATH 140 and 270 (8 hours)
- CHEM 140 - Advanced General Chemistry, 4 hours
- GEOL 356 - Advanced Petrology or GEOL 471 - Tectonics, 3 hours
- PHYS 130 or 230 - Introductory or General Physics I, 4 hours
- CHEM 232 - Quantitative Analysis, 3 hours or PHYS 131 or PHYS 231 - Introductory or General Physics II, 4 hours
- Upper-level electives in sciences or mathematics courses approved by advisor, 10 to 14 hours

Interdisciplinary Concentration, 35 hours

- CHEM 140 - Advanced General Chemistry or CHEM 132 - Introductory Chemistry, 4 hours
- MATH 145 - Trigonometry, 3 hours
- MATH 146 - Precalculus, 4 hours
- MATH 170 - Applied Statistics or MATH 270 - Statistical Methods I, 3 hours
- BIOL 140 - Principles of Biology I or PHYS 130 or 230 - Introductory or General Physics I, 4 hours
- Upper-level electives in sciences or mathematics courses approved by advisor, 18 hours At least 9 hours must form an approved set of coherent courses outside of geology

General electives, (22 hours) are required to complete the degree

- 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

Note: For students planning to pursue graduate work, it is recommended that the following courses be included in the above curriculum: MATH 153 and 255, PHYS 131 or 231, at least two chemistry courses, a Geology Summer Field course.

CURRICULUM GUIDE FOR GEOLOGY (ENVIRONMENTAL HYDROLOGY CONCENTRATION) B.S. DEGREE

FRESHMAN YEAR

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<th>FALL SEMESTER</th>
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<tbody>
<tr>
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<td>Hrs</td>
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<tr>
<td>190 Series First Year Seminar</td>
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</table>
Any student interested in Geology should meet with a geology faculty member as soon as possible to assure proper course planning for individual needs. Many courses are NOT offered each semester. Students planning to pursue graduate school should include Math 153, Math 255, one year of Physics, one year of Chemistry and Geology Field camp in the curriculum.

### Sophomore Year

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
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<th>HRS.</th>
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<td>Hrs.</td>
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<td>Hrs.</td>
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<td>GEOL, MATH, or science 200+ Elective</td>
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<tr>
<td>CHEM 140 Advanced Gen Chemistry</td>
<td>CHEM 140 Advanced Gen Chemistry</td>
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<td>P1 Social Sciences</td>
<td>3</td>
<td></td>
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<tr>
<td>GEOL 305 Soils and Hydrology</td>
<td>GEOL 305 Soils and Hydrology</td>
<td>4</td>
<td>GEOL 250 Rock Forming Minerals</td>
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<td>MATH 146 Precalculus</td>
<td>MATH 146 Precalculus</td>
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<td>MATH 153 or 170 Calculus or Stat</td>
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### Junior Year

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<td>GEOL 371 Structural Geology</td>
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<td>GEOL 355 Petrology</td>
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<td>PHYS 130 or 230 Intro or Gen Phys</td>
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<td>GEOL 405 Hydrogeology</td>
<td>GEOL 405 Hydrogeology</td>
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### Senior Year

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<td>Course and Number</td>
<td>Hrs.</td>
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<td>6</td>
<td>General Elective</td>
<td>3</td>
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<tr>
<td>GEOL 422 Sediment and Stratigraphy</td>
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<td>PHYS 230 or 231 Physics</td>
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<td><strong>Total Hours for Degree:</strong> 128</td>
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Students may finish earlier if they attend summer school at WCU or another approved institution.

### Curriculum Guide for Geology (Interdisciplinary Concentration) B.S. Degree

#### Freshman Year

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<tr>
<th>FALL SEMESTER</th>
<th>COURSE AND NUMBER</th>
<th>HRS.</th>
<th>SPRING SEMESTER</th>
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<th>HRS.</th>
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<td>GEOL 155 Historical Geology</td>
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<td>HEAL or HSCC 123/101 Wellness</td>
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</table>
Any student interested in geology should meet with a Geology faculty member as soon as possible to assure proper course planning for individual needs. Many courses are NOT offered each semester. Students planning to pursue graduate school should include Math 153, Math 255, One year of Physics, One year of Chemistry, and Geology Summer Field Camp in the curriculum.

**SOPHOMORE YEAR**

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<tr>
<th>FALL SEMESTER</th>
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<tr>
<td>GEOL 305 Soils and Hydrology</td>
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**JUNIOR YEAR**

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<th>SPRING SEMESTER</th>
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<td>P1-P6 Jr-Sr Perspective</td>
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<td>GEOL 355 Petrology</td>
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<td>GEOL 371 Structural Geology</td>
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**SENIOR YEAR**

<table>
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<th>FALL SEMESTER</th>
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<th>Hrs.</th>
<th>SPRING SEMESTER</th>
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<td>GEOL 422 Sediment and Stratigraphy</td>
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</table>

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**CURRICULUM GUIDE FOR GEOLOGY (SOLID EARTH CONCENTRATION) B.S. DEGREE**

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
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<th>SPRING SEMESTER</th>
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<td>GEOL 155 Historical Geology</td>
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<td>ENGL 101 Composition I</td>
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<td>MATH 145 Trigonometry</td>
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<td>GEOL 150 Methods in Geology</td>
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</table>

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### SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs</th>
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<th>Hrs</th>
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<tr>
<td>P1 Social Sciences</td>
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<td>CHEM 200 + elective</td>
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<td>P4 Humanities</td>
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<td>P1 Social Sciences</td>
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<td>CHEM 140 Adv General Chemistry</td>
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<td>GEOL 305 Soils and Hydrology</td>
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<td>MATH 146 Precalculus</td>
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<td>MATH 153 or 170 Calc or Stat</td>
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### JUNIOR YEAR

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<th>Hrs</th>
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<th>Hrs</th>
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<tr>
<td>GEOL, MATH, or science 200+Elective</td>
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<td>GEOL, MATH, or science 200+Elective</td>
<td>3-4</td>
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<td>P5 Fine &amp; Performing Arts</td>
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<td>GEOL 350 Mineralogy II</td>
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<td>GEOL 371 Structural Geology</td>
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<td>GEOL 355 Petrology</td>
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<td>PHYS 130 or 230 Intro or Gen Phys</td>
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<td>GEOL 356 Advanced Petrology</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

### SENIOR YEAR

<table>
<thead>
<tr>
<th>Course and Number</th>
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<td>GEOL Capstone</td>
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<td>P1-P6 Jr-Sr Perspective</td>
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<td>General Electives</td>
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<td>GEOL 422 Sedimen and Stratigraphy</td>
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<td>PHYS 131 or 231 Physics</td>
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<td>17-18</td>
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</tbody>
</table>

Total Hours for Degree: 128

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### NATURAL RESOURCES MANAGEMENT, B S. DEGREE

**Liberal Studies, 42 hours**

The major requires 72 hours, including 51 hours in core courses and a 21-hour concentration:

- CHEM 132 or 140 Introductory Chemistry or Advanced General Chemistry, 4 hours
- BIOL 140 - Principles of Biology I, 4 hours
- BIOL 141 - Principles of Biology II, 4 hours
- GEOG 150 - Environmental Geography, 3 hours
- GEOG 324 - Introduction to Remote Sensing, 4 hours
- GEOG 402 - Conservation of Natural Resources, 3 hours
- GEOL 305 - Soils and Hydrology, 4 hours
- MATH 146 - Precalculus, 4 hours
- NRM 210 - Methods in Natural Resources Management, 4 hours
- NRM 344 - Introduction to Geographic Information Systems, 4 hours
- NRM 440 - Integrated Resources Management, 4 hours
- NRM 442 - Natural Resources Policy and Administration, 3 hours
MGT 300 or ECON 310* Introduction to Management or Natural Resource Economics (prerequisite required), 3 hours  
NRM 351* or BIOL 304 Forest Ecology or General Ecology, 3 hours

Concentration, 21 hours, selected from
- Forest Resources  BIOL 254, NRM 351, 352, 451, 452 and 6 hours selected from NRM 330, 371, 460, 483
- Soil and Water Resources CHEM 133, GEOG 300, NRM 420, 460 and 7 hours selected from BIOL 435, 476, CHEM 330, GEOL 455, NRM 320
- Landscape Analysis GEOG 424, NRM 371, 444, 472 and 6 hours selected from NRM 351, 420, 460, 470

General electives (14 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

**CURRICULUM GUIDE FOR NATURAL RESOURCES MANAGEMENT (FOREST RESOURCES CONCENTRATION) B.S. DEGREE**

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
<th>Course and Number</th>
<th>Hrs.</th>
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<td>BIOL 141 Principles of Biology II</td>
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<td>JS 101 Jumpstart</td>
<td>0</td>
<td>CHEM 132 Introductory Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 140 Principles of Biology I</td>
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<td>CMHC 201 Communication</td>
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<td>ENGL 101 Composition I</td>
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<td>ENGL 102 Composition II</td>
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**SOPHOMORE YEAR**

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<td>GEOG 150 Environmental Geography</td>
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<td>Liberal Studies</td>
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<td>NRM 210 Natural Resources Mgt</td>
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<td>ECON 231 Microeconomics</td>
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<td>GEOL 305 Soils and Hydrology</td>
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**JUNIOR YEAR**

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<td>GEOG 402 Conservation of Nat Res</td>
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<td>NRM 344 Introduction to GIS</td>
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<td>NRM 352 Forest Res Measurements</td>
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<table>
<thead>
<tr>
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<th>Hrs.</th>
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<td>NRM 440 Integrated Res Mgt</td>
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GEOG 324  Remote Sensing 4  NRM 452  Forest Management 4
NRM 442  Natural Resources Policy 3  Concentration Elective 3
NRM 451  Foundations of Silviculture 4

Total Hours for Degree: 128

Students may finish earlier if they attend summer school at WCU or another approved institution.
Western's Natural Resources Management program is housed in the Department of Geosciences and Natural Resources Management within the College of Arts and Sciences.

**CURRICULUM GUIDE FOR NATURAL RESOURCES MANAGEMENT (SOIL AND WATER RESOURCES CONCENTRATION) B.S.**

### FRESHMAN YEAR

<table>
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<th>Hrs.</th>
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<td>BIOL 140 Principles of Biology I</td>
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<td>CHEM 132 Introductory Chemistry</td>
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<td>ENGL 101 Composition I</td>
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<td>MATH 146 Precalculus</td>
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### SOPHOMORE YEAR

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<td>CHEM 133 Survey of Chemistry II</td>
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<td>GEOG 150 Environmental Geography</td>
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<td>GEOG 300 Weather and Climate</td>
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<td>NRM 210 Natural Resources Mgt</td>
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<td>GEOL 305 Soils and Hydrology</td>
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<table>
<thead>
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<td>GEOG 402 Conservation of Nat Res</td>
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<td>NRM 344 Introduction to GIS</td>
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<td>NRM 460 Watershed Management</td>
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<td>MGT 300 Introduction to Management</td>
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<td>NRM 420 Soil Genesis/Classification</td>
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<td>NRM 442 Natural Resources Policy</td>
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</table>

**Total Hours for Degree: 128**

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Western’s Natural Resource Management program is housed in the Department of Geosciences and Natural Resources Management within the College of Arts and Sciences.

**MAJOR IN SCIENCE EDUCATION (CONCENTRATION IN EARTH SCIENCES), B.S.ED. DEGREE**

Liberal Studies Hours. 42
The major requires 54-58 hours as follows:

- AST 103 - The Solar System, 3 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, 3 hours
- GEOG 300 - Weather and Climate, 4 hours
- GEOL 150 - Methods in Geology, 4 hours
- GEOL 155 - Historical Geology, 4 hours
- GEOL 250 - Introduction to the Rock Forming Minerals, 3 hours
- GEOL 305 - Soils and Hydrology, 4 hours or GEOL 302 - Geomorphology, 4 hours
- MATH 130 - College 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

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

### CURRICULUM GUIDE FOR SCIENCE EDUCATION (CONCENTRATION IN EARTH SCIENCES) B.S.ED. DEGREE

#### FRESHMAN YEAR

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#### SOPHOMORE YEAR

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#### JUNIOR YEAR

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* EDCI 231 may be taken in the Sophomore or Junior years There is some flexibility in terms of the sequence of professional courses after the initial EDCI 231 course is taken
** AST 103 is offered Fall Semester only
SENIOR YEAR

FALL SEMESTER
Course and Number | Hrs. | SPRING SEMESTER
Course and Number | Hrs.
P6 Jr-Sr World Culture | 3 | EDSE 490 Supervised Stud Teaching | 6
General Elective | 4 | EDSE 495 Seminar | 3
AST 104* or 103 Cosmic Evol | 0-3 | SCI 491 Supervised Student Teaching | 3
Solar System | | in The Sciences
PSY 321 Educational Psychology | 3 | |
SCI 422 Science Methods | 3 | |
SPED 335 Teaching Except Children | 2 | |
| 15-18 | 13 |

*AST 104 is offered Spring Semester only.

Total Hours for Degree 128

Students may finish earlier if they attend summer school at WCU or another approved institution.

Minor in Earth Sciences
- The minor requires 17 or 18 hours, including GEOL 150, one other freshman-level geology course, GEOL, 250 GEOG 150 and 300

Minor in Geology
- The minor requires 21 hours, including GEOL 150, one other freshman-level geology course, GEOL 250, and 10-11 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 freshman level

DEPARTMENT OF HISTORY

Richard Starnes, head
T. Blethen, V. Clement, L. Cruz, A. Denson, D. Dorondo, G. Graham, J. Lewis, E. McRae, A. Macaulay, S. Philyaw, V. Szabo

MAJOR IN HISTORY, B.A. DEGREE

The major requires MFL 231-232 or 240 and 33 hours as follows.

- The major requires 6 hours from History 221, 222, 231, 232, History 297 (3 hours), 24 hours of junior-senior history electives to include 6 hours in United States, 6 hours in European, and 3 hours in non-Western history. At least 9 hours in the major need to be 400 level history courses.

To complete the program, a total of 39 hours is required, including a minor, or second major, or other approved program and general electives. At least 30 hours of the courses taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.

CURRICULUM GUIDE FOR HISTORY B.A. DEGREE

FRESHMAN YEAR

FALL SEMESTER
Course and Number | Hrs. | SPRING SEMESTER
Course and Number | Hrs.
190 Series First Year Seminar | 3 | C5 Physical & Biological Sciences | 3
C5 Physical & Biological Sciences | 3 | C3 CMHC 201 Communication | 3
P3 History | 3 | C4 HEAL or HSCC 123/101 Wellness | 3
C1 ENGL 101 Composition I 3  HIST 221 or 222 or 231 or 232 3
C2 MATH 101 Mathematical Concepts 3  C1 ENGL 102 Composition II 3
15 15

SOPHOMORE YEAR

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<td>P6 World Culture</td>
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<td>P4 Humanities</td>
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JUNIOR YEAR

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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier

SENIOR YEAR

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Total Hours for Degree  120
Total Hours of Pre-requisites  6 HOURS OF MFL 231 & 232

Junior-senior history electives must include 6 hours in United States, 6 hours in European, and 3 hours in non-Western history At least 9 hours in the major need to be 400 level history courses

Students may finish earlier if they attend summer school at WCU or another approved institution

MAJOR IN HISTORY, B S DEGREE

The major requires MATH 170 and 33 hours as follows

The major requires 6 hours from HIST 221, 222, 231, 232, HIST 297 (3 hours), 24 hours of junior-senior history electives to include 6 hours in United States, 6 hours in European, and 3 hours in non-Western history At least 9 hours in the major need to be 400 level history courses

To complete the program, a total of 42 hours is required, including a minor, or second major, or other approved program and general electives At least 30 hours of the courses taken at WCU must be at the junior-senior level to meet one of the general university degree requirements
### CURRICULUM GUIDE FOR HISTORY B.S. DEGREE

#### FRESHMAN YEAR

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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

#### JUNIOR YEAR

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Total Hours for Degree 120
Total Hours of Pre-requisites 3 HOURS OF MATH 170

Junior-senior history electives must include 6 hours in United States, 6 hours in European, and 3 hours in non-Western history. At least 9 hours in the major need to be 400 level history courses.

Students may finish earlier if they attend summer school at WCU or another approved institution.
Certificate in Public History
The Certificate (15 hours) requires completion of HIST 471, 472, 473, 474, and 483 (Internship). History majors and minors may not count these courses for both the major/minor and the certificate.

Minor in History
The minor requires 21 hours, including 6 hours from 221, 222, 231, or 232, plus 15 hours of junior-senior electives.

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

Mark Holliday, acting head


MAJOR IN COMPUTER SCIENCE, B.S DEGREE

Liberal Studies Hours 42

The major requires 72 hours. Only grades of C (2.0) or higher in required computer science 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 220 - Social and Ethical Issues of Computing, 1 hour
CS 263 - Software Engineering, 3 hours
CS 330 - Applications of Logic and Discrete Structures, 3 hours
CS 350 - Computer Organization, 3 hours
CS 351 - Data Structures and Algorithms, 3 hours
CS 352 - Organization of Programming Languages, 3 hours
CS 363 - Software Development, 3 hours
CS 370 - Operating Systems, 3 hours
CS 465 - Internet Protocols, 3 hours
CS 495 - Capstone I, 2 hours
CS 496 - Capstone II, 2 hours
MATH 153 - Calculus I, 4 hours
MATH 250 - Introduction to Logic and Proof, 3 hours
MATH 255 - Calculus II, 4 hours
MATH 310 - Discrete Structures, 3 hours
MATH 270 - Statistical Methods I, 3 hours or MATH 370 - Probability and Statistics I, 3 hours

Complete the liberal studies science requirement and in addition, complete 8 hours selected from one of the following groups: BIOL 140, 141 or CHEM 139, 140 or GEOL 150, 155 or PHYS 130, 131 or PHYS 230, 231.

Six additional hours of courses selected from CS courses numbered above 250 (excluding CS 301, 320, and 340) that are not required or MATH 441 or ECET 331, 332, 431, or TEL 345 (including at least 3 hours of courses at the 400 level).

Students must complete all liberal studies requirements and general electives as needed to reach the total of 120 hours. At least 32 hours taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.
## CURRICULUM GUIDE FOR COMPUTER SCIENCE, B.S. DEGREE

### FRESHMAN YEAR

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<tbody>
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<td>JS 101 Jumpstart</td>
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<td>CS 151 Problem Solving and Prog I</td>
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<td>CS 150 Problem Solving and Prog I</td>
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<td>ENGL 102 Composition II</td>
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<td>ENGL 101 Composition I</td>
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<td>MATH 255 Calculus II</td>
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<td>MATH 153 Calculus I</td>
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If a student is not beginning in Calculus I, see the department for a revised course sequence.

### SOPHOMORE YEAR

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<td>CMHC 201 Communication</td>
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<td>CS 220 Issues of Computing</td>
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<td>CS 263 Software Engineering</td>
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<td>CS 350 Computer Organization</td>
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<td>CS 330 Structures</td>
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<td>CS 370 Operating Systems</td>
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<td>MATH 250 Intro to Logic and Proof</td>
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<td>P6 World Culture</td>
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<td>CS 352 Org of Programming Lang</td>
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<td>CS 351 Data Structures/Algorithms</td>
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<td>CS 465 Internet Protocols</td>
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<td>CS 363 Software Development</td>
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<tr>
<td>MATH 270 or 370 Stat Prob</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier

### SENIOR YEAR

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<th>Hrs.</th>
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</table>

**Total Hours for Degree:** 120

This sequence requires that students begin in Calculus I

Students may finish earlier if they attend summer school at WCU or another approved institution

### MAJOR IN MATHEMATICS, B.S.ED DEGREE

Liberal Studies Hours 42
The major requires 45 hours as follows:

- EDEL 466 - Computers in Education, 3 hours
- MATH 153 - Calculus I, 4 hours
- MATH 250 - Introduction to Logic and Proof, 2 hours
- MATH 255 - Calculus II, 4 hours
- MATH 256 - Calculus III, 4 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.

### CURRICULUM GUIDE FOR MATHEMATICS, B.S.ED. DEGREE

#### FRESHMAN YEAR

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<th>FALL SEMESTER Course and Number</th>
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<th>SPRING SEMESTER Course and Number</th>
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<td>P1 Social Sciences</td>
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<tr>
<td>P5 Fine &amp; Performing Arts</td>
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<td>CMHC 201 Communication</td>
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<td>190 Series First Year Seminar</td>
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<td>HEAL or HSCC 123/101 Wellness</td>
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<td>ENGL 101 Composition I</td>
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If a student is not beginning in Calculus I, see the department for a revised course sequence.

#### SOPHOMORE YEAR

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<td>C5 Physical &amp; Biological Sciences</td>
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<td>P6 World Culture</td>
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<td>EDCI 231 Foundation of Education</td>
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<td>MATH 256 Calculus III</td>
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<td>MATH 310 Discrete Structures</td>
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<td>MATH 270 Statistical Methods I</td>
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#### JUNIOR YEAR

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<th>SPRING SEMESTER Course and Number</th>
<th>Hrs.</th>
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<td>MATH 411 Foundations in Geometry</td>
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<td>PSY 322 Adolescent Development</td>
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<td>MATH 361 Intro to Abstract Algebra</td>
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<td>MATH 361, 461, or 462 Algebra</td>
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<td>PSY 321 Educational Psychology</td>
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</table>
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<th>SPRING SEMESTER</th>
<th>Course and Number</th>
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<td>MATH 415 Methods &amp; Materials in Sec Math</td>
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<td>Total Hours for Degree: 128</td>
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</table>

This sequence requires that students begin in Calculus I in an odd numbered year.

Students may finish earlier if they attend summer school at WCU or another approved institution.

**MAJOR IN MATHEMATICS, B.S. DEGREE**

**Liberal Studies Hours: 42**

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.

**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
- 422, 423, 424 Analysis
- 320, 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, 201 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. Must earn grades of C or better in the 25 hours of Core Courses in Mathematics.

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.

CURRICULUM GUIDE FOR MATHEMATICS (APPLIED OPTION), B.S. DEGREE

FRESHMAN YEAR

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<tr>
<td>General Elective</td>
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<tr>
<td>JS 101 Jumpstart</td>
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<td>ENGL 101 Composition I</td>
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<td>MATH 153 Calculus I</td>
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</table>

If a student is not beginning in Calculus I, see the department for a revised course sequence.

General Electives must include a major or minor in another related field.

SOPHOMORE YEAR

<table>
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<tr>
<th>FALL SEMESTER</th>
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<tbody>
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<td>Course and Number</td>
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<td>MATH 270 Statistical Methods I</td>
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JUNIOR YEAR

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<tbody>
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<td>Course and Number</td>
<td>Hrs.</td>
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<td>MATH 320, or 441</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

SENIOR YEAR

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<td>P1-P6 Jr-Sr Perspective</td>
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<td>MATH 479 Capstone Seminar</td>
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Total Hours for Degree 128
This sequence requires that students begin in Calculus I. The general electives must include a second major or 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.

Students may finish earlier if they attend summer school at WCU or another approved institution.

**CURRICULUM GUIDE FOR MATHEMATICS (TRADITIONAL OPTION), B.S. DEGREE**

**FRESHMAN YEAR**

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<th>SPRING SEMESTER</th>
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If a student is not beginning in Calculus I, see the department for a revised course sequence.

**SOPHOMORE YEAR**

<table>
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<th>Course and Number</th>
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<th>SPRING SEMESTER</th>
<th>Course and Number</th>
<th>Hrs.</th>
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<td>MATH 250 Intro to Logic and Proof</td>
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<td>MATH 310 Discrete Structures</td>
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<td>MATH 270 Statistical Methods I</td>
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<td>MATH 362 Intro to Linear Algebra</td>
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**JUNIOR YEAR**

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<th>SPRING SEMESTER</th>
<th>Course and Number</th>
<th>Hrs.</th>
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<td>General Elective</td>
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<tr>
<td>CS 340 Intro to Scientific Computing</td>
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<td>MATH 331, 422, or 423 Analysis</td>
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<td>MATH 361, 461 or 462</td>
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<tbody>
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<td>P5 Fine &amp; Performing Arts</td>
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Total Hours for Degree 128
This sequence requires that students begin in Calculus I. The general electives must include a second major or 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.

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**CURRICULUM GUIDE FOR MATHEMATICS (EDUCATION OPTION), B.S. DEGREE**

### FALL SEMESTER

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<tr>
<td>190 Series First Year Seminar</td>
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<td>ENGL 101 Composition I</td>
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<td>MATH 153 Calculus I</td>
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**SPRING SEMESTER**

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**SPRING SEMESTER**

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<tr>
<td>General Elective</td>
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<tr>
<td>C5 Physical &amp; Biological Sciences</td>
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<tr>
<td>P6 World Culture</td>
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<tr>
<td>EDCI 231 Foundation of Education</td>
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<tr>
<td>MATH 310 Discrete Structures</td>
<td>3</td>
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<td>MATH 362 Intro to Linear Algebra</td>
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### JUNIOR YEAR

<table>
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<tr>
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<tr>
<td>P3 History</td>
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<td>General Elective</td>
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<tr>
<td>MATH 411 Foundations in Geometry</td>
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<tr>
<td>PSY 322 Adolescent Development</td>
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<tr>
<td>MATH 361, 461, or 462 Algebra</td>
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**SPRING SEMESTER**

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>MATH Elective</td>
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<tr>
<td>General Elective</td>
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<tr>
<td>EDRD 323 Reading and Comm Skills</td>
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</tr>
<tr>
<td>MATH 361 Intro to Abstract Algebra</td>
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<tr>
<td>MATH 400 History of Mathematics</td>
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<td>PSY 321 Educational Psychology</td>
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### SENIOR YEAR

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<td>EDEL 466 Computers in Education</td>
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<tr>
<td>P1-P6 Jr-Sr Perspective</td>
<td>3</td>
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<tr>
<td>MATH 300 Problem Solving</td>
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<td>MATH 415 Methods and Materials in Sec Math</td>
<td>3</td>
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<td>MATH 479 Capstone Seminar</td>
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<td>SPED 335 Teach Except Children</td>
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**SPRING SEMESTER**

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<tr>
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<tr>
<td>EDSE 495 Seminar</td>
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<tr>
<td>MATH 491 Supervised Stud Teaching</td>
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</table>

After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.
Total Hours for Degree  128

If a student is not beginning in Calculus I, see the department for a revised course sequence

This sequence requires that students begin in Calculus I in an odd numbered year

Students may finish earlier if they attend summer school at WCU or another approved institution

Minor in Computer Science
The minor requires 17 hours, including CS 150, 151, and 9 hours of other CS courses numbered 250 or above (excluding CS 320) or MATH 310 or MATH 441

Minor in Mathematics
The minor requires 20 hours, including MATH 153, 255, and 12 hours selected from any mathematics courses numbered 250 or higher or CS 340

B S /M.S. Applied Mathematics-Four Plus One
The B S /M S degree program option in Mathematics or Applied Mathematics allows an outstanding student to complete the requirements for both degrees in a period of 5 years

Guidelines.
Students in the B S program in Mathematics who have
1. Completed a minimum of seventy-five (75) and a maximum of ninety-six (96) credit hours in their undergraduate programs, including credits earned from advanced placement, and
2. Have a minimum accumulated grade point average (GPA) of 3.25 at WCU
may apply for admission to Graduate School and permission to have up to 12 credit hours of graduate level course work during their senior year count as advanced placement toward their MS degree. Such a request must be approved by both the Head of the Mathematics Department and the Director of the Graduate Program of the Mathematics Department. They in turn must recommend this course of action to the Graduate School. After the student receives the BS degree, and completes admission requirements, he or she may be officially admitted into the MS degree program in Applied Mathematics. After admission to the master’s program, the designated courses in which the student earned grades of B or better may be applied toward the requirements of that degree. These courses also count toward the 128 hours needed for the BS degree

DEPARTMENT OF MODERN FOREIGN LANGUAGES

Mark R Couture, head

J Davis, P Hackett, N Norris, J O'Connor, M Takeda

For information on special majors in this department that are available through the Humanities Program, please check the Humanities copy under “The Honors College” in the catalog or contact The Honors College at (828) 227-7383

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

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 Courses, 21 hours
GER 322 German Civilization II, 3 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 321 German Civilization I, 3 hours  

A Concentration of Twelve Hours Selected From One of the Concentrations Below

**German Language and Culture**  
6 hours selected from  
GER 332 Survey of German Literature, 3 hours  
GER 304 Introduction to Business German Culture, 3 hours  
GER 310 Introduction to German Prose and Poetry, 3 hours  
GER 331 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, 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 332 Survey of German Literature II, 3 hours  
GER 304 Introduction to Business German Culture, 3 hours  
GER 310 Introduction to German Prose and Poetry, 3 hours  
GER 331 Survey of German Literature II, 3 hours  
GER 393 Special Topics in German, 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  

6 Hours Selected From  
PHIL 307 Liberty, System, and History in the Age of Revolutions, 3 hours  
HIST 221 European History to 1517, 3 hours  
HIST 222 European History Since 1517, 3 hours  
HIST 330 Modern Germany, 3 hours  
PSC 215 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.

**CURRICULUM GUIDE FOR GERMAN (GERMAN LANGUAGE AND CULTURE CONCENTRATION), B.A. DEGREE**

<table>
<thead>
<tr>
<th>FRESHMAN YEAR</th>
<th>SPRING SEMESTER</th>
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<td>P3 History</td>
<td>P5 Fine &amp; Performing Arts</td>
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<td>Course and Number</td>
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<td><strong>FALL SEMESTER</strong></td>
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<td><strong>FALL SEMESTER</strong></td>
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<td><strong>Total Hours for Degree: 128</strong></td>
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<td><strong>Total Hours of Pre-requisites: 6</strong></td>
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<td>Students need a second major, minor or</td>
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<td>hours) Students must maintain a 2.75</td>
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<td>GPA in the major. No grade below a C</td>
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<td>for any required course in the major</td>
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<td>will be accepted Since courses above</td>
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<td>302 are not offered every year, in</td>
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<td>many cases a German major should take</td>
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<td>whatever upper level courses are</td>
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<td>offered in a given semester, provided</td>
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<tr>
<td>he or she meets the prerequisites and</td>
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<tr>
<td>corequisites (generally 301 or 302)</td>
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<td>Students may finish earlier if they</td>
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<td>attend summer school at WCU or another</td>
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<td>approved institution.</td>
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<td><strong>FALL SEMESTER</strong></td>
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<tr>
<td>Course and Number</td>
<td>Hrs</td>
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<tr>
<td>Course and Number</td>
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## SOPHOMORE YEAR

### FALL SEMESTER

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<thead>
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<th>Course and Number</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>GER 231 Intermediate German I</td>
<td>3</td>
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<tr>
<td>C5 Physical &amp; Biological Sciences</td>
<td>3</td>
</tr>
<tr>
<td>P1 Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>HEAL or HSCC 123/101 Wellness</td>
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<tr>
<td>HIST 221 European History to 1517</td>
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<td>General Elective</td>
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<td><strong>Total</strong></td>
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### SPRING SEMESTER

<table>
<thead>
<tr>
<th>Course and Number</th>
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<tbody>
<tr>
<td>GER 232 Intermediate German II</td>
<td>3</td>
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<tr>
<td>C5 Physical &amp; Biological Sciences</td>
<td>3</td>
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<tr>
<td>P6 World Culture</td>
<td>3</td>
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<tr>
<td>General Elective</td>
<td>3</td>
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<tr>
<td>HIST 222 European History Since 1517</td>
<td>3</td>
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<td><strong>Total</strong></td>
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### JUNIOR YEAR

### FALL SEMESTER

<table>
<thead>
<tr>
<th>Course and Number</th>
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<tbody>
<tr>
<td>GER 301 Ger for Everyday Use I</td>
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<td>GER 321 German Civ I</td>
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<tr>
<td>P4 Jr-Sr Humanities</td>
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<tr>
<td>HIST 330 Modern Germany</td>
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<td>HIST** Jr-Sr Elective</td>
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<td><strong>Total</strong></td>
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### SPRING SEMESTER

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<tr>
<td>GER 302 German for Everyday Use II</td>
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<td>GER 310 Prose and Poetry</td>
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<td>GER 322 German Civ II</td>
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<td>HIST** Jr-Sr Elective</td>
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<td><strong>Total</strong></td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

**History minor is 15 hours of UL electives, plus HIST 221-222 or 231-232**

### SENIOR YEAR

### FALL SEMESTER

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>GER 401 Contrastive Features</td>
<td>3</td>
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<tr>
<td>GER 393 Special Topics (via Distance Ed)</td>
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<tr>
<td>HIST** Jr-Sr Elective</td>
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<tr>
<td>PHIL 307 19th Century Philosophy</td>
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### SPRING SEMESTER

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>GER 431 Studies in German Lit</td>
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<tr>
<td><strong>Total</strong></td>
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</table>

**History minor is 15 hours of UL electives, plus HIST 221-222 or 231-232**

Total Hours for Degree 128

Total Hours of Pre-requisites 6

Students need a second major, minor or approved program. This suggested sequence shows a History minor (21 hrs). Students must maintain a 2.75 GPA in the major. No grade below a C for any required course in the major will be accepted. Since courses above 302 are not offered every year, in many cases, a German major should take whatever upper level courses are offered in a given semester, provided they meet the prerequisites and corequisites (generally 301 or 302). Students may finish earlier if they attend summer school at WCU or another approved institution.
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**
   GER 231 - Intermediate German I and II or Accelerated Second-Year German

II. **Language /Culture, 9 hours**
   GER 301 - 302 German for Everyday Use I and II, 401 Contrastive Features of German and English

III. **Civilization and Culture, 6 hours**
   312-322 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 Hours, 6**
   Choose six hours from 304 Introduction to Business German Culture, 393 Special Topics in German, 451 Advanced German Grammar, 452 Advanced German Conversation, 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 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.

CURRICULUM GUIDE FOR GERMAN B.S.ED.

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
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<tbody>
<tr>
<td>Course and Number</td>
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<tr>
<td>GER 101 German I</td>
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<td>ENGL 101 Composition I</td>
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SOPHOMORE YEAR

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<td>General Elective</td>
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<tbody>
<tr>
<td><strong>Course and Number</strong></td>
<td><strong>Course and Number</strong></td>
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<tr>
<td>GER 301 Ger for Everyday Use I</td>
<td>GER 302 German for Everyday Use II</td>
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<td>GER 321 German Civilization I</td>
<td>GER 310 Intro Prose and Poetry</td>
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<td>GER 322 German Civ II</td>
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<td>SPED 335 Teach Except Children</td>
<td>GER 393 Special Topics</td>
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<td>EDEL 312 Elem School/Methods</td>
<td>PSY 320 Child and Adolescent Dev</td>
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<td>EDSE 322 Methods of Teaching</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

### SENIOR YEAR

<table>
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<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
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<tbody>
<tr>
<td><strong>Course and Number</strong></td>
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<tr>
<td>GER 401 Contrastive Features</td>
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<td>GER 420 Methods of Teaching</td>
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<td>GER 452 Advanced Conversation</td>
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</table>

Total Hours for Degree: 128
Total Hours of Pre-requisites: 6

Students must maintain a 2.75 GPA in the major. No grade below a C for any required course in the major will be accepted. Since courses above 302 are not offered every year, in many cases a German major should take whatever upper level courses are offered in a given semester, provided he or she meets the prerequisites and corequisites (generally 301 or 302).

Students may finish earlier if they attend summer school at WCU or another approved institution.

### 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:

<table>
<thead>
<tr>
<th>Major Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. Intermediate, 6 hours</td>
<td></td>
</tr>
<tr>
<td>231-232 Intermediate Spanish I and II or 240 Accelerated Second-Year Spanish</td>
<td></td>
</tr>
<tr>
<td>II. Language/Culture, 6 hours</td>
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<tr>
<td>301-302 Topics of the Hispanic World I and II</td>
<td></td>
</tr>
<tr>
<td>III. Civilization and Culture, 6 hours</td>
<td></td>
</tr>
<tr>
<td>321 Spanish Civilization, 322 Spanish-American Civilization</td>
<td></td>
</tr>
<tr>
<td>IV. Literature, 6 hours</td>
<td></td>
</tr>
<tr>
<td>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 in Spanish Peninsular Literature, 432 Studies in Spanish-</td>
<td></td>
</tr>
</tbody>
</table>
American Literature
Electives, 9 hours

Choose nine hours from 393 Special Topics in Spanish, 401 Contrastive Features of Spanish and English, 451 Advanced Spanish Grammar, 452 Advanced Spanish Conversation, or Literature courses listed above

To complete the program, a total of 45 hours is required, including a minor, second major, or other approved program and general electives coursework. At least 30 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.

CURRICULUM GUIDE FOR SPANISH B.A. DEGREE

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>Hrs</th>
<th>SPRING SEMESTER</th>
<th>Course and Number</th>
<th>Hrs</th>
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<td>P5 Fine &amp; Performing Arts</td>
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<td>190 Series First Year Seminar</td>
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<td>CMHC 201 Communication</td>
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<td>P3 History</td>
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<td>SPAN 102 Span II</td>
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<td>ENGL 102 Composition II</td>
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SOPHOMORE YEAR

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<th>Hrs</th>
<th>SPRING SEMESTER</th>
<th>Course and Number</th>
<th>Hrs</th>
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<tbody>
<tr>
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<tr>
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<td>C5 Physical &amp; Biological Sciences</td>
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<tr>
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<td>P1 Social Sciences</td>
<td>3</td>
<td>P6 World Culture</td>
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<tr>
<td></td>
<td>HEAL or HSCC 123/101 Wellness</td>
<td>3</td>
<td>General Elective</td>
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<td></td>
<td>HIST 221 Euro History to 1517</td>
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<td>HIST 222 Euro History Since 1517</td>
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JUNIOR YEAR

<table>
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<td></td>
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<tr>
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<td>SPAN 321 Spanish Civ</td>
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<td>SPAN 310 Prose and Poetry</td>
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<td></td>
<td>P4 Jr-Sr Humanities</td>
<td>3</td>
<td>SPAN 322 Spanish-American Civ</td>
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<td></td>
<td>HIST 361 Latin American History I</td>
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<td>HIST 362 Latin American History II</td>
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<td>HIST Jr-Sr Elective</td>
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<td>General Elective</td>
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</table>

After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

SENIOR YEAR

<table>
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<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>Hrs</th>
<th>SPRING SEMESTER</th>
<th>Course and Number</th>
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<td>SPAN 333 Spanish American Lit</td>
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<td>SPAN 330 Peninsular Lit</td>
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<td>SPAN 452 Advanced Conversation</td>
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<td>HIST Jr-Sr Elective</td>
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<td>HIST Jr-Sr Elective</td>
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</tbody>
</table>

Total Hours for Degree 120
Total Hours of Pre-requisites: 6
Students need a second major, minor or approved program. This suggested sequence shows a History minor (21 hrs) Students must maintain a 2.75 GPA in the major. No grade below a C for any required course in the major will be accepted. Since courses above 302 are not offered every year, in many cases a Spanish major should take whatever upper level courses are offered in a given semester, provided he or she meets the prerequisites and corequisites (generally 301 or 302).

Students may finish earlier if they attend summer school at WCU or another approved institution.

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 Accelerated Second-Year Spanish

II. Language/Culture, 9 hours
   301-302 Topics of the Hispanic World I and II, 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 in 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, SPAN 393 Special Topics in Spanish, or literature courses listed above.

CURRICULUM GUIDE FOR SPANISH B.S.ED. DEGREE

FRESHMAN YEAR

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<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
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<td>ENGL 101 Composition I</td>
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<td>ENGL 102 Composition II</td>
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<tr>
<td>190 Series First Year Seminar</td>
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<td>P1 Social Sciences</td>
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<tr>
<td>P3 History</td>
<td>3</td>
<td>P5 Fine &amp; Performing Arts</td>
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<td>CMHC 201 Communication</td>
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SOPHOMORE YEAR

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<tbody>
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<td>P1 Social Sciences</td>
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<td>P6 World Culture</td>
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<tr>
<td>HEAL or HSCC 123/101 Wellness</td>
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<td>EDCI 231 Foundations of Education</td>
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<td>General Elective</td>
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</tbody>
</table>
JUNIOR YEAR

FALL SEMESTER
Course and Number                                      Hrs.  
SPAN 301 Top of the Hisp World I 3  
SPAN 321 Spanish Civ 3  
SPAN 432 Stud in Spanish-Amer Lit 3  
PED 335 Teach Except Children 2  
EDEL 312 Elem Meth & Curr 2  
P4 Jr-Sr Humanities 3  
Total Hours: 16

SPRING SEMESTER
Course and Number                                      Hrs.  
SPAN 302 Top of the Hisp World II 3  
SPAN 310 Prose and Poetry 3  
SPAN 322 Spanish-American Civ 3  
EDSE 322 Prin & Meth of Teaching 2  
PSY 320 Child and Adolescent Dev 3  
General Elective 3  
Total Hours: 17

After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier

SENIOR YEAR

FALL SEMESTER
Course and Number                                      Hrs.  
SPAN 401 Contrastive Features 3  
SPAN 330 Peninsular Lit 3  
SPAN 420 Methods of Teaching 3  
SPAN 451 Advanced Grammar 3  
PSY 321 Educational Psychology 3  
General Elective 3  
Total Hours: 18

SPRING SEMESTER
Course and Number                                      Hrs.  
EDSE 490 Student Teaching 6  
EDSE 495 Seminar 3  
Total Hours: 9

Total Hours for Degree: 128
Total Hours of Pre-requisites: 6

Any notes or other information: Students must maintain a 2.75 GPA in the major. No grade below a C for any required course in the major will be accepted. Since courses above 302 are not offered every year, in many cases a Spanish major should take whatever upper level courses are offered in a given semester, provided he or she meets the prerequisites and corequisites (generally 301 or 302).

Students may finish earlier if they attend summer school at WCU or another approved institution.

Minor in 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.

DEPARTMENT OF MUSIC

Will Peebles, interim head


To major in music, students must pass an audition in the principal performance area and take a music aptitude examination. Based on the audition and examination, MUS 105, 108, 118 may be required. These courses do not count toward degree requirements. If a student fails MUS 108 or MUS 118 twice, the student shall be ineligible to continue in a music program.

All music majors must pass a junior qualifying examination or recital in the principal applied area before a degree will be granted. All students on the B.S. education degree plan must pass a senior performance examination or recital in the principal applied area. MUS 171, 172, 173, 371, 372, 373 must (unless exempted) reflect the applied study area, only one will count per semester.

Major in Music (39 hour required for all degree programs in Music)
The major requires 38 hours as follows

MUS 107 Applied Major, 2 hours
MUS 148 Piano Class I, II, 1 hour
*MUS 171, 172, 173, 1 hour
MUS 207 Applied Major, 2 hours
MUS 208 Aural Skills II Basic Tonal Functions, 1 hour
MUS 218 Music Theory II Tonal Harmony 3 hours
MUS 248 and 249, Piano Class III, IV, 1 hour
MUS 308 and 309 Aural Skills III, IV, 1 hour
MUS 318 and 319, Music Theory III, IV, 3 hours
MUS 358 Performance Laboratory (Six semesters required)
MUS 371 and/or 372 or 373, 1 hour
MUS 418 and 419, Music History I, II, 3 hours (MUS 101, 410 for B M Musical Theater)
MUS 428 or 429 Choral or Instrumental Conducting, 3 hours
*All wind and percussion majors in the B A program must include a minimum of 1 hour in marching band, those in the B s ed program must include an additional hour of marching band (2 hours total)

You must select one of the following degrees and concentrations or options to complete the program

BACHELOR OF ARTS IN MUSIC, B. A

Liberal Studies, 42 hours
Major in Music, 39 hours

To complete the program, 47 hours, including a minimum of 10 hours at the junior-senior level are required and 6 hours of MFL 231-232 or 240 One of the following options or concentrations must be completed

Music Industry Option ACCT 161, BA 133, CIS 251, LAW 230, MGT 300, MKT 301, MUS 378, 9 hours of MUS 489, 11 hours electives

BACHELOR OF SCIENCE IN EDUCATION IN GENERAL AND INSTRUMENTAL MUSIC, B.S ED

Liberal Studies, 42 hours
Major in Music, 39 hours

The program requires the following 12 hours MUS 168, MUS 169, MUS 283, MUS 325, MUS 470, 4 hrs of MUS 307 and one of the following concentrations, 6 hours

General Music 258, 259, 279, 2 hours from 407
Instrumental Music 158, 272, 311, 312 If piano is the principal instrument 3in one secondary applied wind instrument or percussion is required in lieu of piano class For keyboard, strings, and guitar, MUS 173 or MUS 373 will be the major ensemble, performance on secondary winds or percussion is required

Professional education sequence (28 hours) for secondary and special teaching, including MUS 326 or 327

One hour of electives is required to complete the program
BACHELOR OF MUSIC, B.M.

Liberal Studies, 42 hours

Major in Music, 39 hours

Concentration Commercial and Electronic Music Hours, 26 hours

- MUS 320 Materials in Popular Music and Jazz 3
- MUS 379 Introduction to Recording Arts 3
- MUS 383 Music and Audio in Media 3

or

- MUS 480 Independent Study 3

- MUS 426 Jazz Arranging and Composing 3

or

- MUS 479 Digital Audio Recording and Editing 3
- MUS 474 Entrepreneurship in Music, Senior Project 3

Eleven hours of music electives selected from MUS 107, 207, 307, 407 Applied MIDI/Synthesis, MUS 181, 468, 469, 483, 484, 489

The program also requires the following 6 hours in MFL (must be in one language), MUS 182, 283, 378, 470, and 4 hours of MUS 175 and/or 370

Three hours of general university electives are required to complete the program

Concentration Performance, 26 hours

- MUS 305 Junior Recital, 1 hour
- MUS 307 Applied Major, 2 hours
- MUS 370 Ensemble, 2 hours
- Two hours selected from 371, 372, 373
- MUS 405 Senior Recital, 1 hour
- MUS 407 Applied Major, 2 hours
- Six hours selected from MUS 480 including one hour in each pedagogy, literature and improvisation, voice majors must include MUS 258, 259
- Six hours selected from MUS 303, 304, 420 or 425

The program also requires the following 6 hours in MFL (must be in one language), MUS 182, 283, 378, 470, and 4 hours of MUS 175 and/or 370

Three hours of general university electives are required to complete the program

Concentration Musical Theatre Hours, 26 hours

- CMTA 130 Makeup, 1 hour
- CMTA 131 Introduction to Professions in Theatre 3
- CMTA 140 Acting I 3
- PE 207 Fencing, 1 hour
- CMTA 231 Stagecrafts for Theatre, Motion Pictures and TV 3
- DA 253 Social/Ballroom Dance, 1 hour
- DA 255 Tap, 1 hour
- MUS 305 Junior Recital or MUS 405 Senior Recital, 1 hour
- CMTA 340 Acting II 3
- CMTA 341 Acting III 3 or DA 257 Dance Performance, 1 hour, DA 258 Dance Techniques, 1 hour
- CMTA 350 Directing I 3 or DA 301 Dance Choreography, 2 hours
- CMTA 401 History of the Theatre II 3

The program also requires the following MUS 307 (2 hours) and MUS 407 (2 hours), 4 hours of MUS 175 and/or 370 (music theatre scenes or shows), MUS 258, 378 and DA 257 and 264

Three hours of general university electives are required to complete the program
## CURRICULUM GUIDE FOR MUSIC (MUSIC INDUSTRY OPTION) B.A. DEGREE

### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>Hrs</th>
<th>SPRING SEMESTER</th>
<th>Course and Number</th>
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<td>MUS 107 Applied Major</td>
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*PREQ Audition or Placement Test

### SOPHOMORE YEAR

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<th>Course and Number</th>
<th>Hrs</th>
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</table>

*PREQ Sophomore Qualifying Exam

**One semester of first-year MFL may be used to satsify the Liberal Studies P6 category

***If not used for LS P6, the second semester of MFL may be used as general electives

### JUNIOR YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
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<td>MUS 171, 172, or 173 Ensemble</td>
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<tr>
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<td>MUS 358 Performance Lab</td>
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</tr>
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<td>MUS 418 Music History I</td>
<td>3</td>
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<td>3</td>
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<tr>
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<td>MUS 428 or 429 Conducting</td>
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<td>MKT 301 Principles of Marketing</td>
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*One non-Music Perspectives course must be at the 300 or 400 level

After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Center
## SENIOR YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Hrs.</th>
<th>SPRING SEMESTER</th>
<th>Hrs.</th>
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<td>MUS 489 Internship</td>
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<td>CIS 251 Management Info Systems</td>
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<td>LAW 230 Legal Env of Business</td>
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<td>MGT 300 Intro to Management</td>
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<td>*One non-Music Perspectives course must be at the 300 or 400 level</td>
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<td>**At least 3 hours of general electives must be at the 300-400 level</td>
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<td>Total Hours for Degree</td>
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<td></td>
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<tr>
<td>Total Hours of Pre-requisites</td>
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## CURRICULUM GUIDE FOR MUSIC (WITH OUTSIDE MINOR OR SECOND MAJOR) B.A. DEGREE

### FRESHMAN YEAR

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<th>Hrs</th>
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<td>MUS 171, 172, or 173 Ensemble</td>
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</tr>
<tr>
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<td>MUS 358 Performance Lab</td>
<td>0</td>
</tr>
<tr>
<td>*MUS 208 Aural Skills II</td>
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<td>MUS 308 Aural Skills III</td>
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<td>*MUS 218 Music Theory II</td>
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<td>MUS 318 Music Theory III</td>
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<td>CMHC 201 Communication</td>
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<tr>
<td>LS 1st year seminar</td>
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<td>C4 Wellness</td>
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<td>JS 101 Jumpstart</td>
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### SOPHOMORE YEAR

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<th>Hrs</th>
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<th>Hrs</th>
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<td>MUS 171, 172, or 173 Ensemble</td>
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<tr>
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<td>MUS 358 Performance Lab</td>
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<td>MUS 319 Music Theory IV</td>
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<td>**MFL 102 Foreign Language</td>
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<tr>
<td>MUS 358 Performance Lab</td>
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<td>C5 Physical &amp; Biological Sciences</td>
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<td>**MFL 101 Foreign Language</td>
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<td>P1 Social Sciences</td>
<td>3</td>
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<tr>
<td>C5 Physical &amp; Biological Sciences</td>
<td>3</td>
<td>P5 Fine and Performing Arts</td>
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<tr>
<td>P1 Social Sciences</td>
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*PREQ: Sophmore Qualifying Exam

**One semester of first-year MFL may be used to satisfy the Liberal Studies P6 category
### JUNIOR YEAR

#### FALL SEMESTER
<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs</th>
<th>SPRING SEMESTER</th>
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<tbody>
<tr>
<td>MUS 171, 172, or 173 Ensemble</td>
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<td>MUS 171, 172, or 173 Ensemble</td>
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<td>MUS 358 Performance Lab</td>
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<td>MUS 358 Performance Lab</td>
</tr>
<tr>
<td>MUS 418 Music History I</td>
<td>3</td>
<td>MUS 418 Music History II</td>
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<tr>
<td>MFL 231 Foreign Language</td>
<td>3</td>
<td>MFL 232 Foreign Language</td>
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<td>*P3 History</td>
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<td>*P4 Humanities</td>
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<tr>
<td>General Electives</td>
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<td>General Electives</td>
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16

*One non-Music Perspectives course must be at the 300 or 400 level*

After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Center.

### SENIOR YEAR

#### FALL SEMESTER
<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs</th>
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</thead>
<tbody>
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<td>*General Electives</td>
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<td>*General Electives</td>
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*At least 21 hours must be at the 300-400 level*

Total Hours for Degree: 128

Total Hours of Pre-requisites: None, unless the musical aptitude placement exam requires the student to complete a leveling class in music theory (MUS 118 3) or aural skills (MUS 108, 1 hour).

An audition is required for admission to the major.

### CURRICULUM GUIDE FOR MUSIC (GENERAL CONCENTRATION VOICE AND KEYBOARD) B.S ED. DEGREE

### FRESHMAN YEAR

#### FALL SEMESTER
<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs</th>
<th>SPRING SEMESTER</th>
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<tbody>
<tr>
<td>*MUS 107 Applied Major</td>
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<td>MUS 171 or 172 Ensemble</td>
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<tr>
<td>MUS 358 Performance Lab</td>
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<td>MUS 358 Performance Lab</td>
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<tr>
<td>*MUS 208 Aural Skills II</td>
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<td>MUS 308 Aural Skills III</td>
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<tr>
<td>*MUS 218 Music Theory II</td>
<td>3</td>
<td>MUS 318 Music Theory III</td>
</tr>
<tr>
<td>MUS 258 Diction I</td>
<td>2</td>
<td>**MUS 259 Diction II</td>
</tr>
<tr>
<td>ENGL 101 Composition I</td>
<td>3</td>
<td>**MUS 169 Classroom Guitar</td>
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<tr>
<td>LS 1st year seminar</td>
<td>3</td>
<td>ENGL 102 Composition II</td>
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<tr>
<td>JS 101 Jumpstart</td>
<td>0</td>
<td>CMHC 201 Communication</td>
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</tbody>
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15

*PREQ Audition or Placement Test

**Spring of even years only, otherwise take C4 Wellness (3).
### Sophomore Year

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs</th>
<th>Course and Number</th>
<th>Hrs</th>
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</thead>
<tbody>
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<td>MUS 207 Applied Mayor</td>
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<td>MUS 171 or 172 Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUS 309 Aural Skills IV</td>
<td>1</td>
<td>MUS 358 Performance Lab</td>
<td>0</td>
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<tr>
<td>MUS 319 Music Theory IV</td>
<td>3</td>
<td>MUS 283 Music Technology</td>
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<tr>
<td>C5 Physical &amp; Biological Sciences</td>
<td>3</td>
<td>C5 Physical &amp; Biological Sciences</td>
<td>3</td>
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<tr>
<td>P1 Social Sciences</td>
<td>3</td>
<td>P5 Fine and Performing Arts</td>
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<tr>
<td><strong>Total</strong></td>
<td>17</td>
<td><strong>Total</strong></td>
<td>17</td>
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</table>

*PREQ Sophomore Qualifying Exam

**If taken in Freshman year, take MUS 259 Diction II (2) and MUS 169 Classroom Guitar (1)**

### Junior Year

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<thead>
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<th>Hrs</th>
<th>Course and Number</th>
<th>Hrs</th>
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<td>MUS 171 or 172 Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUS 358 Performance Lab</td>
<td>0</td>
<td>MUS 358 Performance Lab</td>
<td>0</td>
</tr>
<tr>
<td>MUS 419 Music History I</td>
<td>3</td>
<td>MUS 419 Music History II</td>
<td>3</td>
</tr>
<tr>
<td><strong>MUS Wind and Perc Class</strong></td>
<td>1</td>
<td>MUS 428 Conducting</td>
<td>3</td>
</tr>
<tr>
<td><strong>MUS 327 Choral Methods</strong></td>
<td>3</td>
<td>MUS 325 Music in elem and Mid Sch</td>
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<tr>
<td>EDSE 322 Prin and Meth of Teach</td>
<td>2</td>
<td>PSY 320 or 322 Child or Adol Dev</td>
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<tr>
<td><em><strong>P1 Social Sciences</strong></em></td>
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<td><em><strong>P3 History</strong></em></td>
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</table>

*PREQ Junior Qualifying Exam

**Fall of even years only, otherwise, take MUS 168 String Class (1)**

***Fall of odd years only, otherwise, take P4 Humanities (3)***

*****One non-Music Perspectives course must be at the 300 or 400 level

**After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Center**

### Senior Year

<table>
<thead>
<tr>
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<th>Hrs</th>
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<tbody>
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<td>MUS 168 String Class</td>
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<td>EDSE 490 Supervised Stud Teaching</td>
<td>6</td>
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<td>MUS 470 Orchestration</td>
<td>2</td>
<td>EDSE 495 Education Seminar</td>
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<td>PSY 321 Educational Psychology</td>
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<td><em><strong>P6 World Cultures</strong></em></td>
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<td><strong>Total</strong></td>
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</table>

*If taken in Junior year, take MUS 279 Wind & Percussion Class (1)*

**If taken in Junior year, take MUS 327 Choral Methods (3)**

***One non-Music Perspectives course must be at the 300 or 400 level

**Total Hours for Degree** 128

**Total Hours of Pre-requisites** None, unless the musical aptitude placement exam requires the
student to complete a leveling class in music theory (MUS 118 3) or aural skills (MUS 108, 1 hour)

An audition is required for admission to the major

CURRICULUM GUIDE FOR MUSIC (INSTRUMENTAL CONCENTRATION WINDS AND PERCUSSION) B.S ED

FRESHMAN YEAR

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<td>MUS 149 Piano II</td>
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<td>MUS 358 Performance Lab</td>
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<td>MUS 308 Aural Skills III</td>
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<td>MUS 318 Music Theory III</td>
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<td>ENGL 102 Composition II</td>
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<td>MATH 101 or higher Mathematics</td>
<td>CMHC 201 Communication</td>
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<tr>
<td>LS 1st year seminar</td>
<td>C4 Wellness</td>
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<tr>
<td>JS 101 Jumpstart</td>
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*PREQ: Audition or Placement Test
**Two semesters of MUS 173/373 must be in marching band

SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
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<tbody>
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<td>1</td>
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<td>MUS 358 Performance Lab</td>
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<td>0</td>
<td>0</td>
</tr>
<tr>
<td>MUS 309 Aural Skills IV</td>
<td>MUS 169 Classroom Guitar Tech</td>
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<tr>
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<td>1</td>
</tr>
<tr>
<td>MUS 319 Music Theory IV</td>
<td>MUS 272 Percussion Methods</td>
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<td>3</td>
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<tr>
<td>MUS 158 Voice Class</td>
<td>MUS 283 Music Technology</td>
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<td>1</td>
</tr>
<tr>
<td>MUS 168 String Class</td>
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<td>EDCI 231 Foundations in Educ</td>
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<td>P1 Social Sciences</td>
<td>P5 Fine and Performing Arts</td>
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<tr>
<td>**                            16**</td>
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*PREQ: Sophomore Qualifying Exam
**Two semesters of MUS 173/373 must be in marching band

JUNIOR YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
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<tbody>
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<td><strong>Course and Number</strong></td>
<td><strong>Course and Number</strong></td>
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<tr>
<td>Hrs</td>
<td>Hrs</td>
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<td>MUS 307 Applied Major</td>
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<td>MUS 373 Ensemble</td>
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<td>1</td>
</tr>
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<td>MUS 358 Performance Lab</td>
<td>MUS 358 Performance Lab</td>
</tr>
<tr>
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<td>0</td>
</tr>
<tr>
<td>MUS 418 Music History I</td>
<td>MUS 419 Music History II</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>MUS 311 Pedagogy of Brass</td>
<td>MUS 312 Pedagogy of Woodwinds</td>
</tr>
<tr>
<td>2</td>
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<tr>
<td>MUS 470 Orchestration</td>
<td>MUS 325 Music in Elem &amp; Mid Sch</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>EDSE 322 Prin and Meth of Teach</td>
<td>PSY 322 Adolescent Dev</td>
</tr>
<tr>
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<tr>
<td>**P1 Social Sciences Credits</td>
<td>**P3 History</td>
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<tr>
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<td>General Electives</td>
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<td>1</td>
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</table>

**Two semesters of MUS 173/373 must be in marching band**
**PREQ. Junior Qualifying Exam**

**One non-Music Perspectives course must be at the 300-400 level.**

### SENIOR YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
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<tbody>
<tr>
<td>Course and Number</td>
<td>Course and Number</td>
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<tr>
<td>MUS 326 Instrumental Methods</td>
<td>MUS 491 Supervised Stud Teaching</td>
</tr>
<tr>
<td>MUS 429 Conducting</td>
<td>EDSE 490 Supervised Stud Teaching</td>
</tr>
<tr>
<td>PSY 321 Educational Psychology</td>
<td>EDSE 495 Educational Seminar</td>
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<td>SPED 335 Teaching Except Children</td>
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<td>*P4 Humanities</td>
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<tr>
<td>*P6 World Cultures</td>
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</table>

**One non-Music Perspectives course must be at the 300-400 level**

Total Hours for Degree 128

Total Hours of Pre-requisites: None, unless the musical aptitude placement exam requires the student to complete a leveling class in music theory (MUS 118 3) or aural skills (MUS 108, 1 hour)

An audition is required for admission to the major

### CURRICULUM GUIDE FOR MUSIC (COMMERCIAL AND ELECTRONIC MUSIC CONCENTRATION) B.M. DEGREE

#### FRESHMAN YEAR

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<tr>
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<td>Course and Number</td>
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<td>*MUS 107 Applied Major</td>
<td>MUS 107 Applied Major</td>
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<td>*MUS 148 Piano I</td>
<td>MUS 149 Piano II</td>
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<td>MUS 171, 172, or 173 Ensemble</td>
<td>MUS 171, 172, or 173 Ensemble</td>
</tr>
<tr>
<td>MUS 358 Performance Lab</td>
<td>MUS 358 Performance Lab</td>
</tr>
<tr>
<td>*MUS 208 Aural Skills II</td>
<td>MUS 308 Aural Skills III</td>
</tr>
<tr>
<td>*MUS 218 Music Theory II</td>
<td>MUS 318 Music Theory III</td>
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<td>ENGL 101 Composition I</td>
<td>ENGL 102 Composition II</td>
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<td>MATH 101 or higher Mathematics</td>
<td>CMHC 201 Communication</td>
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<td>LS 1st year seminar</td>
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<td>101 Jumpstart</td>
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**PREQ Audition or Placement Test**

**MIDI/Synthesis majors take MUS 181 (1)**

### SOPHOMORE YEAR

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<td>Course and Number</td>
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<td>MUS 207 Applied Major</td>
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<td>MUS 248 Piano III</td>
<td>MUS 249 Piano IV</td>
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<td>**MUS 171, 172, or 173 Ensemble **</td>
<td>MUS 171, 172, or 173 Ensemble</td>
</tr>
<tr>
<td>MUS 309 Aural Skills IV</td>
<td>MUS 358 Performance Lab</td>
</tr>
<tr>
<td>MUS 319 Music Theory IV</td>
<td><strong>MUS 383 Music/Audio in Media</strong></td>
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<tr>
<td>MUS 358 Performance Lab</td>
<td>C$ Wellness</td>
</tr>
<tr>
<td>MUS 182 Comp App in Music</td>
<td>C5 Physical &amp; Biological Sciences</td>
</tr>
<tr>
<td>***C5 Physical &amp; Biological Sciences</td>
<td>P5 Fine and Performing Arts</td>
</tr>
<tr>
<td>P1 Social Sciences</td>
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### JUNIOR YEAR

#### FALL SEMESTER
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</tr>
<tr>
<td>MUS 358 Performance Lab</td>
<td>0</td>
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<tr>
<td>MUS 418 Music History I</td>
<td>3</td>
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<tr>
<td>*MUS 378 Surv of Mus Ind</td>
<td>3</td>
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<tr>
<td>*MUS 379 Intro to Record Arts</td>
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<td>P1 Social Sciences</td>
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#### SPRING SEMESTER
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<td>1</td>
</tr>
<tr>
<td>MUS 358 Performance Lab</td>
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</tr>
<tr>
<td>MUS 419 Music History II</td>
<td>3</td>
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<td>MUS 470 Orchestration</td>
<td>2</td>
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<tr>
<td>**MUS 479 Digital Audio Rec &amp; Edit</td>
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<td>MUS Musical Electives</td>
<td>3</td>
</tr>
<tr>
<td>***MFL Foreign Language</td>
<td>3</td>
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</table>

**Fall of odd years only, in even years, take MUS 378 (3) and MUS 379 (3)**

**Spring of even years only, in odd years, take 3 hours of music electives Jazz majors substitute MUS 426 Jazz Composing and Arranging (3)**

***3 hours of MFL may meet LS P6 category, hours do not count toward both LS and major***

#### SENIOR YEAR

#### FALL SEMESTER
<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs</th>
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<tr>
<td>MUS 428 or 429 Conducting</td>
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<td>*MUS 320 Materials in Pop Music and Jazz</td>
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<td>MUS Electives</td>
<td>3</td>
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<tr>
<td>***P3 History</td>
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<td>***P4 Humanities</td>
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#### SPRING SEMESTER
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<td>**MUS Electives</td>
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</table>

Fall of odd years only, in even years, take MUS 378 (3) and MUS 379 (3)

**n even years, take MUS 479 (Jazz majors take 426)**

**One non-Music Perspectives course must be at the 300 or 400 level**

****This LS course must be P6 if neither MFL course met the P6 category

Total Hours for Degree 128

### FRESHMAN YEAR

#### FALL SEMESTER
<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>*MUS 107 Applied Major</td>
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<td>*MUS 148 Piano I</td>
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<tr>
<td>MUS 358 Performance Lab</td>
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</tr>
<tr>
<td>*MUS 208 Aural Skills II</td>
<td>1</td>
</tr>
<tr>
<td>*MUS 218 Music Theory II</td>
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#### SPRING SEMESTER
<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs</th>
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<tr>
<td>MUS 149 Piano II</td>
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</tr>
<tr>
<td>MUS 171 or 172 Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUS 358 Performance Lab</td>
<td>0</td>
</tr>
<tr>
<td>MUS 308 Aural Skills III</td>
<td>1</td>
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<tr>
<td>MUS 318 Music Theory III</td>
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An audition is required for admission to the major.
<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs</th>
<th>Course and Number</th>
<th>Hrs</th>
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</thead>
<tbody>
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<td>MUS 207 Applied Major</td>
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<tr>
<td>MUS 248 Piano III</td>
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<tr>
<td><strong>MUS 171 or 172 Ensemble</strong></td>
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<td>MUS 248 Piano IV</td>
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<tr>
<td>MUS 175 Ensemble</td>
<td>1</td>
<td>MUS 175 Ensemble</td>
<td>1</td>
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<tr>
<td>MUS 358 Performance Lab</td>
<td>0</td>
<td>MUS 358 Performance Lab</td>
<td>0</td>
</tr>
<tr>
<td>MUS 283 Music Tech Class</td>
<td>1</td>
<td>MUS 182 Comp App in Music</td>
<td>1</td>
</tr>
<tr>
<td>MUS 309 Aural Skills IV</td>
<td>1</td>
<td><strong>C4 Wellness</strong></td>
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</tr>
<tr>
<td>MUS 319 Music Theory IV</td>
<td>3</td>
<td>C5 Physical &amp; Biological Sciences</td>
<td>3</td>
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<tr>
<td>MATH 101 or higher Mathematics</td>
<td>3</td>
<td>P5 Fine &amp; Performing Arts</td>
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<tr>
<td><strong>C5 Physical &amp; Biological Science</strong></td>
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</table>

**PREQ: Sophomore Qualifying Exam**

**Spring of even years only, otherwise take C4 Wellness (3).**

**Junior Year**

<table>
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<th>Hrs</th>
<th>Course and Number</th>
<th>Hrs</th>
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<td>MUS 307 Applied Major</td>
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<tr>
<td>MUS 358 Performance Lab</td>
<td>0</td>
<td>MUS 358 Performance Lab</td>
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<tr>
<td>MUS 418 Music History I</td>
<td>3</td>
<td>MUS 419 Music History II</td>
<td>3</td>
</tr>
<tr>
<td><strong>MUS 378 Surv of the Mus Ind</strong></td>
<td>3</td>
<td>MUS 305 Junior Recital</td>
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</tr>
<tr>
<td><strong>MUS 480 Ind Study</strong></td>
<td>1</td>
<td>MUS 303, 420, OR 425</td>
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<tr>
<td>P3 History</td>
<td>3</td>
<td>MUS 470 Orchestration</td>
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<td>****MFL Foreign Language</td>
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<td>17</td>
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</table>

**PREQ: Junior Qualifying Exam**

**Fall of even years; otherwise, take LS P1 Social Science (3)**

**One hour of 480 must be in each area: pedagogy, literature, improvisation.**

****3 hours of MFL may meet LS P6 category, hours do not count toward both LS and major.

**After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.**

**Senior Year**

<table>
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<th>Course and Number</th>
<th>Hrs</th>
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<tr>
<td>MUS 428 or 429 Conducting</td>
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<td>MUS 405 Senior Recital</td>
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<td><strong>MUS 480 Ind Study</strong></td>
<td>2</td>
<td>MUS 303, 420, or 425</td>
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<tr>
<td><strong>P1 Social Sciences</strong></td>
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<td>***P1 Social Sciences</td>
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</table>
***P4 humanities 3 ***4*7 S Elective 3
General Electives 1 General Electives 2
16

*One hour of 480 must be in each area: pedagogy, literature, improvisation
**If taken in Junior year, take MUS 378 (3).
**One non-Music Perspectives course must be at the 300 or 400 level
****This LS course must be P6 if neither MFL course met the P6 category.

Total Hours for Degree 128

Total Hours of Pre-requisites: None, unless the musical aptitude placement exam requires the student to complete a leveling class in music theory (MUS 118 3) or aural skills (MUS 108, 1 hour)

An audition is required for admission to the major

CURRICULUM GUIDE FOR MUSIC (PERFORMANCE WINDS, PERCUSSION, KEYBOARD) B.M. DEGREE

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>Hrs</th>
<th>SPRING SEMESTER</th>
<th>Course and Number</th>
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<td>MUS 107 Applied Major</td>
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*Placement Test and Audition

SOPHOMORE YEAR

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<tr>
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<td>C5 Physical &amp; Biological Sciences</td>
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PREQ. Sophmore Qualifying Exam
## JUNIOR YEAR

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<td>MUS 358 Performance Lab</td>
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<tr>
<td>MUS 418 Music History I</td>
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<td>MUS 419 Music History II</td>
<td>3</td>
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<td>MUS 470 Orchestration</td>
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<td>MUS 305 Junior Recital</td>
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<td>**MUS 378 Surv of the Music Ind</td>
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<td>MUS 303, 304, 420, 425</td>
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<td>MUS 480 Ind Study</td>
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</tbody>
</table>

*PREQ* Junior qualifying exam
*Fall of even years only, otherwise take LS P3 History (3)
**3 hours of MFL may meet LS P6 category; hours do not count toward both LS and major.

After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier

## SENIOR YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Hrs.</th>
<th>SPRING SEMESTER</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 407 Applied Major</td>
<td>2</td>
<td>MUS 407 Applied Major</td>
<td>2</td>
</tr>
<tr>
<td>MUS 370 Ensemble</td>
<td>1</td>
<td>MUS 370 Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUS 373 Ensemble</td>
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<td>MUS 373 Ensemble</td>
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</tr>
<tr>
<td>MUS 428 or 429 Conducting</td>
<td>3</td>
<td>MUS 405 Senior Recital</td>
<td>1</td>
</tr>
<tr>
<td>*MUS 480 Ind Study</td>
<td>2</td>
<td>MUS 303, 304, 420 or 425</td>
<td>3</td>
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<tr>
<td>**P3 History</td>
<td>3</td>
<td>*MUS 480 Ind Study</td>
<td>2</td>
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<tr>
<td>**P4 Humanities</td>
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<td>***LS Elective</td>
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<tr>
<td>General electives</td>
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<tr>
<td></td>
<td>16</td>
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</tbody>
</table>

*One hour of 480 must be in each area: pedagogy, literature, improvisation
**One non-Music Perspectives course must be at the 300 or 400 level.
***This LS course must be P6 if neither MFL course met the P6 category

Total Hours for Degree 128

Total Hours of Pre-requisites: None, unless the musical aptitude placement exam requires the student to complete a leveling class in music theory (MUS 118 3) or aural skills (MUS 108, 1 hour)

An audition is required for admission to the major

## CURRICULUM GUIDE FOR MUSIC (MUSICAL THEATRE CONCENTRATION)

### B.M. DEGREE

### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Hrs</th>
<th>SPRING SEMESTER</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 358 Performance Lab</td>
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<td>MUS 358 Performance Lab</td>
<td>0</td>
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<tr>
<td>*MUS 107 Applied Major</td>
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<tr>
<td>MUS 171 or 172 Major Ensemble</td>
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<td>MUS 171 or 172 Major Ensemble</td>
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<tr>
<td>*MUS 118 Music Theory I</td>
<td>3</td>
<td>MUS 218 Music Theory II</td>
<td>3</td>
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<tr>
<td>*MUS 148 Piano I</td>
<td>1</td>
<td>MUS 149 Piano II</td>
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</table>
**MUS 101 Music Appreciation** 3  
ENGL 101 Composition I 3  
190 Series First Year Seminar 3  
JS 101 Jumpstart 0  

16  

**Placement Test and Audition**  
**May not count in Liberal Studies**  

### Sophomore Year

#### Fall Semester

- **Course and Number**  
  - MUS 358 Performance Lab 0  
  - MUS 207 Applied Major 2  
  - MUS 171 or 172 Major Ensemble 1  
  - MUS 248 Piano III 1  
  - MUS 308 Aural Skills III 1  
  - MUS 318 Music Theory III 3  
  - CMTA 341 or DA 258 Acting/Dance Tech 2  
  - MUS 175 Small Ensemble 1  
  - CMHC 201 Speech Comm 3  
  - CMTA 130 Makeup 1  
  -  

#### Spring Semester

- **Course and Number**  
  - MUS 358 Performance Lab 0  
  - MUS 207 Applied Major 2  
  - MUS 175 Ensemble 1  
  - MUS 249 Piano Class IV 1  
  - MUS 309 Aural Skills IV 1  
  - CMTA 140 Acting I 3  
  - CMTA 131 Intro to Theatre 3  
  - C5 Physical & Biological Sciences 3  
  - MUS 171 or 172 Concert Choir 1  
  - Elective 1  
  -  

#### Junior Year

#### Fall Semester

- **Course and Number**  
  - MUS 358 Performance Lab 0  
  - MUS 307 Applied Major 2  
  - MUS 370 Music Theatre 1  
  - CMTA 350 or DA 301 Directing I or Dance Chor 2  
  - P1 Perspectives Social Sciences 3  
  - P3 Perspectives History 3  
  - P4 Perspectives Humanities 3  
  - PE 207 Fencing 1  
  -  

#### Spring Semester

- **Course and Number**  
  - MUS 358 Performance Lab 0  
  - MUS 307 Applied Major 2  
  - MUS 370 Music Theatre 1  
  - CMTA 340 Acting II 3  
  - CMTA 231 Stagecrafts 3  
  - P1 Perspectives Social Sciences 3  
  - C5 Core Physical & Biological Sciences 3  
  - DA 253 Social/Ballroom 1  
  - DA 255 Tap 1  
  -  

After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

### Senior Year

#### Fall Semester

- **Course and Number**  
  - MUS 407 Applied Major 2  
  - MUS 378 Survey of the Music Industry 3  
  - DA 264 Jazz 2  
  - DA 257 Dance Perf 1  
  - MUS 370 Music Theatre 1  
  - Elective 1  
  - P5 Jr-Sr Fine & Performing Arts 3  
  - C2 101 Math 3  
  -  

#### Spring Semester

- **Course and Number**  
  - MUS 407 Applied Major 2  
  - MUS 405 Senior Recital 1  
  - CMTA 400 History of the Theatre I 3  
  - MUS 410 History of Am Mus Theatre 3  
  - MUS 370 Music Theatre 1  
  - MUS 428 or 429 Conducting 3  
  - P6 Perspectives World Culture 3  
  -  

#### Senior Year
Total Hours for Degree 128

All students must complete an audition to enter the major

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 hours), 2 hours of 106, 2 hours of 206, 4 hours in a major ensemble, and 2 hours of music electives.

- MUS 108 Aural Skills I Fundamentals of Sight Singing 1
- MUS 118 Music Theory I Fundamentals 3
- MUS 208 Aural Skills II Basic Tonal Functions 1
- MUS 218 Music Theory II Tonal Harmony 3
- MUS 308 Aural Skills III Advanced Tonal Functions 1
- MUS 318 Music Theory III Advanced Forms and Chromaticism 3

ASSOCIATED AREA OF PHILOSOPHY AND RELIGION

- J McLachlan, coordinator
- D Hale, C Hoyt, J Whitmire

For information on special majors in this department that are available through the Humanities Program, please check the Humanities copy under “The Honors College” in the catalog or contact The Honors College at (828) 227-7383.

MAJOR IN PHILOSOPHY B.A. DEGREE

Liberal Studies, 42 hours

The major in Philosophy with a Literature of Philosophy Concentration requires 30 hours as follows

Literature of Philosophy Concentration

I. Foundations of Humanities Hours 6 hours

- PAR 102 Western Moral Traditions, 3 hours
- PAR 230 Legal, Scientific, & Critical Reasoning, 3 hours

II. History of Philosophy Hours 9 hours

- *PAR 304 Justice, Power and Human Nature in the Ancient Greek Polis, 3 hours
- PAR 305 Medieval and Reformation Theology Divine Foreknowledge, Free Will, and Justification by Faith, 3 hours
- *PAR 306 Science, Reason, and Autonomy in the Enlightenment, 3 hours
- PAR 307 From Existentialism to Feminism, 3 hours
- PAR 308 From Pragmatism to Postmodernism, 3 hours

(*denotes required courses in History of Philosophy sequence)

III. Philosophy and Culture Hours 9 hours

- PAR 309 Philosophy In and Of Film, 3 hours
- PAR 310 Philosophy of Art, 3 hours
- PAR 311 Philosophy of Science, 3 hours
- PAR 312 Philosophy of Religion, 3 hours
- PAR 313 Philosophy of Law, 3 hours
- PAR 314 Religion, Suffering, and the Moral Imagination, 3 hours
PAR 330 America's Wilderness Ethics and Aesthetics, 3 hours
PAR 332 Biomedical Ethics and Social Justice, 3 hours
PAR 333 Environmental Ethics, 3 hours
PAR 350 Philosophical and Religious Classics, 3 hours
PAR 380 Independent Study, 3 hours
PAR 393 - Topics in Philosophy and Religion, 1-3 hours, R6

IV Seminar and Special Topics Hours 6 hours
PAR 393 Topics in Philosophy and Religion 3
PAR 495 Seminar in Philosophy and Religion, 3 hours

[Philosophy electives at the junior-senior level, 18 hours ]

To complete the Bachelor of Arts program in the Arts & Sciences College, a total of 42 hours is required, which includes a second major, minor, or approved program, and a minimum of 12 general (free) electives. At least 30 hours of the courses taken at WCU must be at the junior-senior level to meet one of the University's degree requirements. Only grades of C (2.0) or higher satisfy requirements for the major.

CURRICULUM GUIDE FOR PHILOSOPHY (LITERATURE OF PHILOSOPHY CONCENTRATION) B.A. DEGREE

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>Hrs</th>
<th>SPRING SEMESTER</th>
<th>Course and Number</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 101 Composition I</td>
<td></td>
<td>3</td>
<td>ENGL 102 Composition II</td>
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<td>3</td>
</tr>
<tr>
<td>MATH 130 College Algebra</td>
<td></td>
<td>3</td>
<td>CMHC 201 Communication</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PAR 190 First Year Seminar</td>
<td></td>
<td>3</td>
<td>P1 Social Sciences</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>HEAL or HSCC 123/101 Wellness</td>
<td></td>
<td>3</td>
<td>C5 Physical &amp; Biological Sciences</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PAR 101 Western Phil Traditions</td>
<td></td>
<td>3</td>
<td>PAR 102 Western Moral Traditions</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>JS 101 Jumpstart</td>
<td></td>
<td>0</td>
<td>PAR 230 Legal, Sci, &amp; Crit Reas</td>
<td></td>
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SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>Hrs</th>
<th>SPRING SEMESTER</th>
<th>Course and Number</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>C5 Physical &amp; Biological Sciences</td>
<td></td>
<td>3</td>
<td>P5 Fine &amp; Performing Arts</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>P1 Social Sciences</td>
<td></td>
<td>3</td>
<td>P6 World Culture</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>P3 History</td>
<td></td>
<td>3</td>
<td>MFL 102</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>MFL 101</td>
<td></td>
<td>3</td>
<td>PAR 313, 330, 332, 333, 393</td>
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<td></td>
</tr>
<tr>
<td>PAR 304 Justice, Power and Human</td>
<td></td>
<td>3</td>
<td>Philosophy and Culture</td>
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<td></td>
</tr>
<tr>
<td>Nature in the Greek Polis</td>
<td></td>
<td></td>
<td>PAR 310, 311, 312, 314, 380</td>
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</tr>
<tr>
<td>PAR 310, 311, 312, 314, 316</td>
<td></td>
<td>3</td>
<td>Philosophy and the Humanities</td>
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</tr>
<tr>
<td>Philosophy and the Humanities</td>
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JUNIOR YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>Hrs</th>
<th>SPRING SEMESTER</th>
<th>Course and Number</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST or ENGL Jr-Sr Perspective</td>
<td></td>
<td>3</td>
<td>Jr-Sr General Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PAR 306 Science, Reason, and Aut in the Enlightenment</td>
<td></td>
<td>3</td>
<td>PAR 305, 307, or 308 History of Philosophy</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>PAR 313, 330, 332, 333, 393</td>
<td></td>
<td>3</td>
<td>PAR Elective</td>
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</tr>
<tr>
<td>Philosophy and Culture</td>
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<td>3</td>
<td>MFL 232</td>
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<td>MFL 231</td>
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<td>Minor/2nd Major</td>
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<td>17</td>
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</tbody>
</table>
After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

**SENIOR YEAR**

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Hrs</th>
<th>SPRING SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course and Number</td>
<td></td>
<td>Course and Number</td>
</tr>
<tr>
<td>PAR 393 Topics</td>
<td>3</td>
<td>*PAR 495 Seminar in Philosophy</td>
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<tr>
<td>Jr-Sr Elective</td>
<td>3</td>
<td>and Religion</td>
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<td>Minor/2nd Major</td>
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<td>Jr-Sr General Elective</td>
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<tr>
<td>PAR Elective</td>
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<td>Minor/2nd Major</td>
</tr>
<tr>
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</tbody>
</table>

*Student selects prior course for senior seminar*

**Total Hours for Degree: 120**

Students may finish earlier if they attend summer school at WCU or another approved institution

At least 30 hours of the courses taken at WCU must be at the junior-senior level

**MAJOR IN PHILOSOPHY, B.A. DEGREE**

<table>
<thead>
<tr>
<th>Liberal Studies Hours</th>
<th>42</th>
</tr>
</thead>
<tbody>
<tr>
<td>The major in Philosophy with a Literature of Religion concentration requires 30 hours as follows</td>
<td></td>
</tr>
</tbody>
</table>

**Literature of Religion Concentration**

I. **Foundations of the Study of Religion Hours, 9 hours**

- PAR 105 Eastern Religious Traditions, 3 hours
- PAR 106 Western Religious Traditions, 3 hours
- PAR 202 What is Religion?, 3 hours
- PAR 312 Philosophy of Religion, 3 hours

II. **History of Religious Thought Hours, 6 hours**

- PAR 210 Origins of Early Christian Traditions, 3 hours
- PAR 211 Understanding Islamic Traditions, 3 hours
- PAR 305 Medieval and Reformation Theology Divine Foreknowledge, Free Will, and Justification by Faith, 3 hours
- PAR 307 From Existentialism to Feminism, 3 hours
- PAR 308 From Pragmatism to Postmodernism, 3 hours
- PAR 350 Philosophical and Religious Classics, 3 hours

III. **Religion, Humanities, and Culture Hours, 9 hours**

- ANTH 365 Religion, Magic, Myth, 3 hours
- ART 306 Renaissance Art, 3 hours
- ENGL 232 Introduction to Mythology, 3 hours
- ENGL 290 Literature and the Sacred, 3 hours
- ENGL 350 The Renaissance, 3 hours
- ENGL 390 The Bible as Literature, 3 hours
- ENGL 420 Chaucer and His Age, 3 hours
- ENGL 440 Milton and His Age, 3 hours
- HIST 311 Ancient Greece and Rome, 3 hours
- HIST 313 The High Middle Ages, 3 hours
- HIST 375 Middle East since Mohammed, 3 hours
- HIST 412 Early Modern Europe, 3 hours
- HIST 431 Colonial America, 1492-1763, 3 hours
### FALL SEMESTER

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>ENGL 101 Composition I</td>
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<td>HEAL or HSCC 123/101 Wellness</td>
<td>3</td>
</tr>
<tr>
<td>MATH 130 College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>PAR 101 Western Phil Traditions</td>
<td>3</td>
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<td>PAR 190 First Year Seminar</td>
<td>3</td>
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<td>JS 101 Jumpstart</td>
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<td><strong>Total</strong></td>
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### SPRING SEMESTER

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<tbody>
<tr>
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<tr>
<td>C5 Physical &amp; Biological Sciences</td>
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</tr>
<tr>
<td>CMHC 201 Communication</td>
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</tr>
<tr>
<td>ENGL 102 Composition II</td>
<td>3</td>
</tr>
<tr>
<td>PAR 105 Eastern Religious Traditions</td>
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<td>PAR 106 Western Religious Traditions</td>
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<td><strong>Total</strong></td>
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### SOPHOMORE YEAR

#### FALL SEMESTER

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<thead>
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<th>Course and Number</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>C5 Physical &amp; Biological Sciences</td>
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<td>P1 Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>P3 History</td>
<td>3</td>
</tr>
<tr>
<td>MFL 101</td>
<td>3</td>
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<tr>
<td>PAR 202 or 312 What is Religion? or Phil of Religion</td>
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<tr>
<td>PAR 210, 211, 305, 307, 308, 350 History of Religious Thought</td>
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<td><strong>Total</strong></td>
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#### SPRING SEMESTER

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<th>Course and Number</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>P5 Fine &amp; Performing Arts</td>
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<tr>
<td>P6 World Culture</td>
<td>3</td>
</tr>
<tr>
<td>MFL 102</td>
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</tr>
<tr>
<td>PAR 210, 211, 305, 307, or 308 History of Religious Thought</td>
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</tr>
<tr>
<td>PAR 210, 211, 305, 307, 308, or 350 History of Religious Thought</td>
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### JUNIOR YEAR

#### FALL SEMESTER

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<tr>
<td>PAR, ANTH, HIST 220 or 311, 365, 311, 313, 375, 412, 431, or 455 Religion and Culture</td>
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<td>PAR, ART, ENGL 314, 315, 324, 330, 306, 232, 290, 350, 390, 420, or 440 (Religion and the Humanities)</td>
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<td><strong>Total</strong></td>
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#### SPRING SEMESTER

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<th>Course and Number</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>Jr-Sr General Elective</td>
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<tr>
<td>PAR, ANTH, HIST 220 or 311, 365, 311, 313, 375, 412, 431, or 455 Religion and Culture</td>
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</tr>
<tr>
<td>PAR, ART, ENGL 314, 315, 324, 330, 306, 232, 290, 350, 390, 420, or 440 (Religion and the Humanities)</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>9</strong></td>
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</tbody>
</table>
After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

**SENIOR YEAR**

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
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</thead>
<tbody>
<tr>
<td>Course and Number</td>
<td>Course and Number</td>
</tr>
<tr>
<td>Hrs</td>
<td>Hrs.</td>
</tr>
<tr>
<td>Jr-Sr General Elective</td>
<td>Jr-Sr General Elective</td>
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<tr>
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<td>6</td>
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<tr>
<td>Minor/2nd Major</td>
<td>Minor/2nd Major</td>
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<tr>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>PAR Elective</td>
<td>*PAR 495 Seminar in Philosophy</td>
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<tr>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>PAR 393 Topics</td>
<td>and Religion</td>
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<td></td>
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<td>18</td>
<td>15</td>
</tr>
</tbody>
</table>

*Student selects prior course for senior seminar*

**Total Hours for Degree: 120**

- Students may finish earlier if they attend summer school at WCU or another approved institution.
- At least 30 hours of the courses taken at WCU must be at the junior-senior level.

**Minor in Philosophy**
The minor requires 18 hours, including PAR 102, 230, and 12 hours of electives selected from junior-senior Philosophy and Religion courses, or PSC 345, PSC 346.

**Minor in Religion**
The minor requires 18 hours, including PAR 105, PAR 106 and either PAR 202 or PAR 312 and 9 hours of electives selected from junior-senior Philosophy and Religion courses or ANTH 365, ART 306, ENGL 390, 420, 440, HIST 311, 313, 375, 412, 455.

**DEPARTMENT OF POLITICAL SCIENCE AND PUBLIC AFFAIRS**

- Niall Michelsen, head
- Christopher Cooper, director of MPA
- C Bryant, F Fisher, G Knotts, C D Livingston, G Mercer

**MAJOR IN POLITICAL SCIENCE, B A DEGREE**

- Liberal Studies, 42 hours
- The major requires 39 hours as follows: Core (18 hours), Electives (15), and MFL (6 hours).
- Core 18 hours-one course from each category:
  - MFL 231 and 232, or 240, 6 hours
  - PSC 150 American Government and Politics, 3 hours
  - PSC 215 or 216 or 219 European Political Systems, Politics of Developing Areas, Latin American Political Systems, 3 hours
  - PSC 241 or 242 International Politics, International Organization, 3 hours
  - PSC 250 - Introduction to Political Science, 1 hour
  - PSC 303 or 304 State and Local Government, Public Administration, 3 hours
  - PSC 345 or 346 Ancient and Medieval Political Thought, Modern Political Thought, 3 hours
  - PSC 349 or 350 Civic Learning, Advanced Writing in Political Science, 1 hour
  - PSC 450 Portfolio
Electives 15 hours of Political Science electives at the 200 level and above (at least 12 of these hours must be at the 300 or 400 level, no more than 6 hours can be applied to cooperative education or internship).

Students must maintain a minimum 2.0 GPA in the major, and no grade below a C (2.0) for any core course in the major will be accepted.

To complete the program, a total of 39 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.

### CURRICULUM GUIDE FOR POLITICAL SCIENCE (GENERAL) B.A.

#### FRESHMAN YEAR

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#### SOPHOMORE YEAR

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#### JUNIOR YEAR

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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

#### SENIOR YEAR

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Total Hours for Degree 120
42 hours Liberal Studies
39 hours PSC major requirements
Core — 18 hours PSC 150 (3), PSC 250 (1), 215, 216 or 219 (3), 241 or 242 (3), 303 or 304 (3), PSC 349 or 350 (1), 345 or 346 (3), and PSC 450 (1)
Electives — 15 hours (12 hours at the junior-senior level)
MFL 231 and 232 or 240-6 hours
39 hours Minor, second major, or other approved program, plus general electives
120 hours

Note: At least 32 hours taken at WCU must be at the junior-senior level.

Students may finish earlier if they attend summer school at WCU or another approved institution.

MAJOR IN POLITICAL SCIENCE, B.S. DEGREE

Liberal Studies, 42 hours

The major requires 39 hours as follows: Core (18 hours), Electives (15 hours), and MATH 135 or 170 (3 hours and 170 (3 hours) and PSC 348 (3 hours)

Core 15 hours - one course from each category

PSC 150 American Government and Politics, 3 hours
PSC 215, 216, or 219 European Political Systems, Politics of Developing Areas, Latin American Political Systems, 3 hours
PSC 241 or 242 International Politics, International Organization, 3 hours
PSC 250 - Introduction to Political Science, 1 hour
PSC 303 or 304 State and Local Government, Public Administration, 3 hours
PSC 345 or 346 Ancient and Medieval Political Thought, Modern Political Thought, 3 hours
PSC 349 or 350 Civic Learning, Advanced Writing in Political Science, 1 hour
PSC 450 Portfolio

MATH 135 or 170 and PSC 348 Political Analysis, 3 hours

Electives 15 hours of Political Science electives at the 200 level and above. At least 9 of these hours must be at the 300 or 400 level, no more than 6 hours can be applied to cooperative education or internship.

Students must maintain a minimum 2.0 GPA in the major, and no grade below a C (2.0) for any core course in the major will be accepted.

To complete the program, a total of 39 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.

Minor in Political Science

The minor requires 21 hours in political science, including PSC 150 and PSC 215 or PSC 216 or PSC 219 or PSC 241 or PSC 242 and 15 hours of electives (at least 9 hours at the 300 or 400 level).

CURRICULUM GUIDE FOR POLITICAL SCIENCE (GENERAL) B.S.
FRESHMAN YEAR

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<th>FALL SEMESTER</th>
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## SOPHOMORE YEAR

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## JUNIOR YEAR

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<td>PSC 304 or 305 Public Admin or Congress</td>
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<td>PSC 345 or 346 Ancient/Medieval and Modern Political Thought</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

## SENIOR YEAR

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Total Hours for Degree 120

42 hours Liberal Studies
39 hours PSC major requirements
Core – 18 hours PSC 150 (3), PSC 250 (3), 215, 216 or 219 (3), 241 or 242 (3), 303 or 304 (3), PSC 349 or 350 (1), 345 or 346 (3) and 450 (1)
Electives – 15 hours (9 hours at the junior-senior level)
MATH 135 or 170 and PSC 348 - 6 hours
39 hours Minor, second major, or other approved program, plus general electives 120 hours
Note: At least 32 hours taken at WCU must be at the junior-senior level

Students may finish earlier if they attend summer school at WCU or another approved institution

## SOCIAL SCIENCE PROGRAMS

Elizabeth Gillespie McRae, coordinator
MAJOR IN SOCIAL SCIENCES, B.A. DEGREE

Liberal Studies, 42 hours
The major requires 45 hours as follows
MFL 231-232 or 240, 6 hours
HIST 221, 222 European History, 6 hours

Two of the Following Four Groups, 12 hours
A ECON 231 232, B GEOG 350 444, C PSC 3 hours from 215, 216, 219 and 3 hours from 302, 303, 304, 306, D SOC 3 hours from 103, 235, 250, and ANTH 3 hours from 250 or 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

CURRICULUM GUIDE FOR SOCIAL SCIENCES B.A. DEGREE

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| **SOPHOMORE YEAR** | |
|Course and Number | Hrs | Course and Number | Hrs |
| MFL 101 Spanish/French/German | 3 | MFL 102 Spanish/French/German | 3 |
| Social Sciences I Intro | 3 | Social Sciences I Intro | 3 |
| P1 Social Sciences | 3 | Social Sciences II Intro | 3 |
| P4 Humanities | 3 | P5 Fine & Performing Arts | 3 |
| HIST 222 European History Since 1517 | 3 | Minor | 6 |
| | 15 | | 18 |

| **JUNIOR YEAR** | |
|Course and Number | Hrs | Course and Number | Hrs |
| MFL 231 Spanish/French/German | 3 | MFL 232 Spanish/French/German | 3 |
| Social Sciences II Intro | 3 | Major Jr-Sr Elective | 6 |
| Major Jr-Sr Elective | 3 | Minor | 6 |
| Minor | 3 | General Elective | 2 |
| P6 Jr-Sr World Cultures | 3 | | 17 |

After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier
### Senior Year

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Total Hours for Degree: 128

Total Hours of Pre-requisites: 6 HOURS OF MFL 231 & 232.

Students may finish earlier if they attend summer school at WCU or another approved institution.

### 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.

### Curriculum Guide for Social Sciences B.S. Degree

#### Freshman Year

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#### Sophomore Year

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</table>

Total Hours for Degree: 128
Total Hours of Pre-requisites: 3 HOURS OF MATH 170

Students may finish earlier if they attend summer school at WCU or another approved institution

MAJOR IN SOCIAL SCIENCES, B.S.ED. DEGREE

Modern Foreign Language Six hours in one language beyond the Liberal Studies requirement

Core Choose History or Political Science major (must include HIST 405 or PSC 405) (33 hours)

Social Sciences Choose Geography 350 or 444, Anthropology 260 or 300-400 level elective in Anthropology, or 300-400 level elective in Sociology, Economics 231 or 232 (9 hours)

Advanced Electives Choose 300-400 level courses from one of the following History, Political Science, or Geography (Can not be same area as core major) (6 hours)

Surveys Choose History 221-222, or History 231-232, or one from PSC 150, 303, 305, and 306 (Selected from outside the core major above) (3-6 hours)

A minimum of 3 hours of upper division course work in II, III, or IV above must focus on non-Western culture (Asia, Africa, Latin America, or the Middle East)

Students must maintain a minimum 2.75 GPA in the major (I, II, III, IV, and V above), and no grade below a C (2.0) for any required course in the double major will be accepted

The Professional education sequence (25 hours) for secondary and special subject teaching and general electives (1-4 hours) are required to complete the program

CURRICULUM GUIDE FOR SOCIAL SCIENCES (SECOND MAJOR HISTORY), B.S. ED. DEGREE

FRESHMAN YEAR

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<tr>
<td>MATH 101 Mathematical Concepts</td>
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<td>HIST 221/222/231/232 History</td>
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### FRESHMAN YEAR

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Total Hours for Degree 128

Must pass the Praxis I and maintain a 2.5 overall GPA to be fully admitted into the College of Education

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<td>P1 Social Sciences (Upper Div Persp)</td>
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### JUNIOR YEAR

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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

### SENIOR YEAR

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<td>PSY 321 Educational Psychology</td>
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Total Hours for Degree 128

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### CURRICULUM GUIDE FOR SOCIAL SCIENCES (SECOND MAJOR POLITICAL SCIENCE), B.S ED. DEGREE

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## SOPHOMORE YEAR

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## JUNIOR YEAR

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<td>PSC 241 or 242</td>
<td>PSC 345 or 346 Political Thought 3</td>
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<td>PSC 303 or 304</td>
<td>PSY 320/322 Adolescent Development 3</td>
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<td>SPED 335 Teaching Except Children 2</td>
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<td>PSC 405 Methods 3</td>
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<td>EDSE 495 Seminar 3</td>
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<tr>
<td>PSY 321 Educational Psychology 3</td>
<td>12</td>
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</table>

### Total Hours for Degree 128

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COLLEGE OF BUSINESS

N Leroy Kauffman, dean
Debasish Banerjee, associate dean

Vision The College of Business will enhance its regional reputation for distinctive competencies in management education for the information age. 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, Master of Entrepreneurship, and Master of Project Management. The Master of Business Administration is offered in Cullowhee and Asheville, the Master of Accountancy is offered in Asheville, the Master of Entrepreneurship is offered in the Asheville/Hendersonville areas, and the Master of Project Management is Web-based, available internationally.

Admission to B.S B.A. 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 institutions 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 90 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>
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<tbody>
<tr>
<td>Foundation of Knowledge for Business</td>
<td>36 hours</td>
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<tr>
<td>Major program of study in business</td>
<td>30 hours</td>
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<tr>
<td>Elective courses</td>
<td>12 hours</td>
</tr>
<tr>
<td>Minimum requirements for BSBA Degree</td>
<td>120 hours</td>
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</table>

A minimum GPA of 2.0 is required in the major for graduation. The major comprises 36 hours in foundation of knowledge and 30 hours in the major program of study for a total of 66 hours.

Foundation of Knowledge in Business courses are:
ACCT 251, 252 Accounting Principles I, II, 6 hours
CIS 251 Management Information Systems, 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
MKT 301 Principles of Marketing, 3 hours

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 requires 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

Roger Lirely, head

G Allen, J Carland, J Carland, R Carton, D Coffee, J Gould, P Hays, B Jones, L Kauffman, P Little, J Liu, F Lockwood, R Roig, A Spencer, S Swanger

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, 36 hours

The following 21 hours in the major:

ACCT 275 - Intermediate Accounting I, 3 hours
ACCT 352 - Intermediate Accounting II, 3 hours
ACCT 355 - Introduction to Income Taxation, 3 hours
ACCT 356 - Cost Accounting, 3 hours
ACCT 365 - Accounting Information Systems, 3 hours
ACCT 454 - Auditing, 3 hours
ACCT 467 - Controllership, 3 hours
Electives (choose any 3) ACCT 301 - Financial Statement Analysis, ACCT 330 - Fraud Examination, ACCT 361 - Not-For-Profit Accounting General electives 18 hours

Minor in Accountancy
The minor requires 24 hours, including
ACCT 251 - Accounting Principles I—Financial, 3 hours
ACCT 252 - Accounting Principles II—Managerial, 3 hours
ACCT 275 - Intermediate Accounting I, 3 hours
ACCT 355 - Introduction to Income Taxation, 3 hours
ECON 231 - Introductory Microeconomics and Social Issues, 3 hours (waives one P1)
ECON 232 - Introductory Macroeconomics and Social Issues, 3 hours
MATH 135 - Statistics, Functions, and Rates of Change, 3 hours (waives C2)
MGT 300 - Introduction to Management, 3 hours

CURRICULUM GUIDE FOR ACCOUNTING, B.S.B.A. DEGREE

FRESHMAN YEAR

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JUNIOR YEAR

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</table>
Total Hours for Degree 120

- Eighteen hours of perspectives required Consult with Academic Advisor and The Record for correct distribution of perspective courses
- At least 60 hours must be taken outside College of Business (Econ 231, Econ 232, Math 135, and Mgt 235 count in this total as outside of College)
- ACCT 252, ECON 231, FIN 305, MGT 300, MKT 301 and senior standing are prerequisites for Mgt 404

Students may finish earlier if they attend summer school at WCU or another approved institution

MAJOR IN ENTREPRENEURSHIP, B.S.B.A. DEGREE

Liberal Studies, 42 hours

- Foundation of Knowledge for Business, 36 hours

The following 21 hours in the major

- ENT 201 - Introduction to Entrepreneurship, 3 hours
- ENT 250 - Innovation and Creativity, 3 hours
- ENT 301 - New Venture Leadership, 3 hours
- ENT 325 - New Venture Creation, 3 hours
- ENT 350 - New Venture Growth, 3 hours
- ENT 450 - New Venture Strategy, 3 hours
- ENT 475 - Entrepreneurship, 3 hours

General electives, 21 hours

CURRICULUM GUIDE FOR ENTREPRENEURSHIP, B.S.B.A DEGREE

FRESHMAN YEAR

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<th>FALL SEMESTER</th>
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<tbody>
<tr>
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SOPHOMORE YEAR

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<td>P5 Fine and Performing Arts</td>
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<td>ACCT 251 Accounting I</td>
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<td>CIS 251 Management Info Systems</td>
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<td>ECON 231 Microeconomics</td>
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JUNIOR YEAR

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<td>ENT 325 New Venture Creation</td>
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MKT 301 Principles of Marketing 3
MGT 305 Quantitative Business Analysis 3

After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

SENIOR YEAR

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Total Hours for Degree: 120

1. Total Hours 120
2. Eighteen hours of perspectives required. Consult with Academic Advisor and The Record for correct distribution of perspective courses.
3. At least 60 hours must be taken outside College of Business (Econ 231, Econ 232, Math 135, and Mgt 235 count in this total as outside of College).
4. ACCT 252, ECON 231, FIN 305, MGT 300, MKT 301 and senior standing are prerequisites for Mgt 404.

Students may finish earlier if they attend summer school at WCU or another approved institution.

MAJOR IN FINANCE, B.S.B.A. DEGREE

Liberal Studies, 42 hours

Foundation of Knowledge for Business, 36 hours

The following 30 hours in one of the two following concentrations

Banking
- ACCT 275, FIN 301, FIN 335, FIN 406, FIN 440, FIN 450, FIN 483, Internship in Finance

Financial Planning
- ACCT 355, FIN 310, FIN 335, FIN 406, FIN 410, FIN 496
- 3 Hours of Electives selected from ACCT 301, COUN 430, ECON 303, FIN 302, FIN 389 or FIN 483, MKT 306 or MKT 310

General electives, 12 hours

CURRICULUM GUIDE FOR FINANCE (CORPORATE), B.S.B.A. DEGREE

FRESHMAN YEAR

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<th>SPRING SEMESTER</th>
<th>Course and Number</th>
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<td>CMHC 201 Communication</td>
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CURRICULUM GUIDE FOR FINANCE (FINANCIAL PLANNING), B.S.B.A. DEGREE

FRESHMAN YEAR

FALL SEMESTER
- Course and Number
  - 190 series First Year Seminar 3
  - C5 Physical & Biological Sciences 3
  - P1 Social Sciences 3
  - JS 101 Jumpstart 3
  - ENGL 101 Composition I 3
  - HEAL or HSCC 123/101 Wellness 3

  Total Hours for Degree 120

SPRING SEMESTER
- Course and Number
  - C5 Physical & Biological Sciences 3
  - P3 History 3
  - CMHC 201 Communication 3
  - ENGL 102 Composition II 3
  - MATH 135 Statistics 3

  Total Hours for Degree 120

JUNIOR YEAR

FALL SEMESTER
- Course and Number
  - General Elective 6
  - FIN 335 Financial Institutions 3
  - FIN 483 Internship in Finance 3
  - MGT 306 Behav Science in Organ 3

  Total Hours for Degree 120

SPRING SEMESTER
- Course and Number
  - P6 Jr-Sr Perspective 3
  - General Elective 6
  - FIN 440 Bank Practice and Policy 3
  - MGT 404 Strategic Management 3

  Total Hours for Degree 120

SENIOR YEAR

FALL SEMESTER
- Course and Number
  - General Elective 6
  - FIN 335 Financial Institutions 3
  - FIN 483 Internship in Finance 3
  - MGT 306 Behav Science in Organ 3

  Total Hours for Degree 120

SPRING SEMESTER
- Course and Number
  - P6 Jr-Sr Perspective 3
  - General Elective 6
  - FIN 440 Bank Practice and Policy 3
  - MGT 404 Strategic Management 3

  Total Hours for Degree 120

After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

Students may finish earlier if they attend summer school at WCU or another approved institution.
### SOPHOMORE YEAR

**FALL SEMESTER**

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**SPRING SEMESTER**

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<td>ECON 232 Macroeconomics</td>
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<td>LAW 230 Legal Environment of Business</td>
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<td>MGT 235 Statistics</td>
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### JUNIOR YEAR

**FALL SEMESTER**

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**SPRING SEMESTER**

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<td>FIN 305 Financial Management</td>
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<td>MGT 305 Quantitative Bus Analysis</td>
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### SENIOR YEAR

**FALL SEMESTER**

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<td>FIN 406 Investment Strategies</td>
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**SPRING SEMESTER**

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<td>FIN 335 Financial Institutions</td>
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<td>FIN 410 Retirement Planning</td>
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<td>FIN 496 Seminar in Financial Planning</td>
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<td>MGT 404 Strategic Management</td>
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**Total Hours for Degree** 120

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4. ACCT 252, ECON 231, FIN 305, MGT 300, MKT 301 and senior standing are prerequisites for Mgt 404

Students may finish earlier if they attend summer school at WCU or another approved institution.

**Minor in Banking**
The minor requires 18 hours, including ACCT 251, FIN 305, 335, 406, 440 and three hours of electives selected from the following FIN 410, 483 and MKT 306

**Minor in Entrepreneurship**
The minor, open to nonbusiness majors only, requires 18 hours, including ENT 201, ENT 250, ENT 301, ENT 325, ENT 350, and ENT 450

### DEPARTMENT OF BUSINESS COMPUTER INFORMATION SYSTEMS AND ECONOMICS

*Dan Clapper, head*

*D Banerjee, S Jarrell, L Lazar, G Mechling, W Perry, W Richmond, M Schreiber, R Stillwell, BJ White, H Yin*
MAJOR IN COMPUTER INFORMATION SYSTEMS, B.S.B.A. DEGREE

Liberal Studies, 42 hours

Foundation of Knowledge for Business, 36 hours

The Following 30 hours in the major

<table>
<thead>
<tr>
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<td>CIS 240 - Business Applications Development I</td>
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<td>CIS 253 - Microcomputer Applications</td>
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Required Electives 6 hours

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<td>CIS 493 - Topics in Information Systems</td>
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General electives, 12 hours

CURRICULUM GUIDE FOR COMPUTER INFORMATION SYSTEMS, B.S B A. DEGREE

FRESHMAN YEAR

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SOPHOMORE YEAR

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JUNIOR YEAR

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</table>

Total Hours for Degree 120

One of the “perspective” courses must be upper level (the schedule identifies certain “Perspective” courses as upper level)

Students may finish earlier if they attend summer school at WCU or another approved institution

All “Foundations of Knowledge for Business” courses are prerequisites for MGT 404

**Minor in Computer Information Systems**
The minor, which is open only to non-business majors, requires 18 hours including CIS 235, 240, 251, 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 requires 18 hours including ECON 231, 232, 302, MGT 325 and an additional 6 hours of 300- or 400-level economics courses, which may include GEOG 350

**DEPARTMENT OF MANAGEMENT AND INTERNATIONAL BUSINESS**

**MAJOR IN HOSPITALITY AND TOURISM, B.S. DEGREE**

Liberal Studies, 42 hours

Foundation of Knowledge for Business, 36 hours

Major Requirements (the following 30 hours in the major)

<table>
<thead>
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<th>Course</th>
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<tr>
<td>HT 334 - Restaurant Management</td>
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<td>HT 335 - Lodging and Resort Management</td>
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<tr>
<td>HT 339 - Cost Control in the Hospitality and Tourism Industry</td>
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<td>HT 432 - Hospitality Supervision</td>
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<td>HT 436 - Tourism Planning and Development</td>
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<td>HT 438 - Strategic Management in the Hospitality and Tourism Industry</td>
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<td>HT 483 - Internship</td>
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Choose any three from the following

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<td>HT 331 - Hospitality Facilities Management</td>
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<td>HT 333 - Quantity Foods</td>
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<td>HT 334 - Restaurant Management</td>
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<td>HT 335 - Lodging and Resort Management</td>
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<td>HT 336 - Club Management</td>
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<td>HT 338 - Tourism Fundamentals</td>
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**CURRICULUM GUIDE FOR HOSPITALITY AND TOURISM, (B.S.)**

**FRESHMAN YEAR**

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**SOPHOMORE YEAR**

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**JUNIOR YEAR**

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**JUNIOR YEAR**

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### CURRICULUM GUIDE FOR MANAGEMENT, B.S.B.A. DEGREE

#### FRESHMAN YEAR

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#### MAJOR IN MANAGEMENT, B S.B A. DEGREE

All Management majors will be required to prepare a portfolio demonstrating competence in Communicating, Decision-making, Leading, Working with others, including groups, professional behavior, and Integrating other fields of study with Management.

**Liberal Studies Hours, 42 hours**

- Foundation of Knowledge for Business, 36 hours

**The following 30 hours in the major**

- CIS 304 - Business Communications, 3 hours
- MGT 304 - Human Resource Management, 3 hours
- MGT 306 - Behavioral Science in Organizations, 3 hours
- MGT 401 - Small Business Management, 3 hours
- MGT 402 - Production and Operations Management, 3 hours
- MGT 404 - Strategic Management, 3 hours
- MGT 495 - Seminar in Management, 3 hours

**Electives (9 hours) selected from**

- IBUS 301 - International Management, 3 hours
- IBUS 309 - International Trade, 3 hours
- IBUS 401 - Information and Materials Exchange in International Business, 3 hours
- MGT 302 - Labor-Management Relations, 3 hours
- MGT 400 - Organization Theory, 3 hours
- MGT 405 - Compensation Management, 3 hours
- MGT 407 - Interpersonal Behavior, 3 hours

**General Electives, 12 hours**

**Total Hours for Degree 120**

Students may finish earlier if they attend summer school at WCU or another approved institution.
ACCT 251 Accounting I 3
CIS 251 Mgt Information Systems 3
ECON 231 Microeconomics 3

15
JUNIOR YEAR

FALL SEMESTER
Course and Number Hrs
General Elective 3
CIS 304 Business Communications 3
MGT 300 Introduction to Management 3
MKT 305 Quantitative Bus Analysis 3
15

SPRING SEMESTER
Course and Number Hrs
General Elective 3
CIS 304 Business Communications 3
FIN 305 Financial Management 3
MGT 304 Human Resource Mgt 3
MGT 306 Behav Science in Organ 3
15

After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier

SENIOR YEAR

FALL SEMESTER
Course and Number Hrs
MGT Elective 3
General Electives 6
MGT 401 Small Business Mgt 3
MGT 402 Prod and Oper Mgt 3
15

SPRING SEMESTER
Course and Number Hrs
P6 Jr-Sr Perspective 3
MGT Elective 3
General Elective 3
MGT 404 4Strategic Management 3
MG 95 Seminar in Management 3
15

Total Hours for Degree 120

Eighteen hours of perspectives required Consult with Academic Advisor and The Record for correct distribution of perspective courses

At least 60 hours must be taken outside College of Business (Econ 231, Econ 232, Math 135, and Mgt 235 count in this total as outside of College)

All “Foundations of Knowledge for Business” courses are prerequisites for Mgt 404

Students may finish earlier if they attend summer school at WCU or another approved institution

MAJOR IN INTERNATIONAL BUSINESS, B.S. DEGREE

Liberal Studies, 42 hours

Foundation of Knowledge for Business, 36 hours

One year (6 hours) of modern foreign language from FREN, GER, or SPAN 231, 232, or 240

The following 30 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
MGT 404 - Strategic Management, 3 hours
PSC 241 - International Politics, 3 hours

Electives (12 hours) selected from at least two disciplines listed below.
MFL 321 or 322, French, German, or Spanish Civilization, 3 hours
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 - Regional Geography, 3 hours, R12
GEOG 444 - Political Geography, 3 hours
HIST 317 - History of Twentieth-Century International Relations, 3 hours

251
HIST 416 - Europe in the Twentieth Century, 3 hours
IBUS 480 - Independent Research, 3 hours
IBUS 483 - Internship in International Business, 3 hours
IBUS 488 - Study Abroad, 3-15 hours, R30
IBUS 493 - Topics in International Business, 1-3 hours, R6
LAW 320 - International Business Law, 3 hours
MKT 407 - Global Marketing, 3 hours
PSC 215 - European Political Systems, 3 hours
PSC 216 - Politics of Developing Areas, 3 hours
PSC 242 - 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 (14 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

**CURRICULUM GUIDE FOR INTERNATIONAL BUSINESS, B.S. DEGREE**

**FRESHMAN YEAR**

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**SOPHOMORE YEAR**

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SENIOR YEAR

FALL SEMESTER

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Total Hours for Degree: 125

Eighteen hours of perspectives required. Consult with Academic Advisor and The Record for correct distribution of perspective courses.

At least 60 hours must be taken outside College of Business (Econ 231, Econ 232, Math 135, and Mgt 235 count in this total as outside of College).

All “Foundations of Knowledge for Business” courses are prerequisites for Mgt 404.

Students may finish earlier if they attend summer school at WCU or another approved institution.

Minor in Hospitality and Tourism


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 241, and 3 hours of Modern Foreign Language at the intermediate level (FREN, GER, SPAN 231, 232, or 240).

Minor in Management

The minor, open only to non-business majors only, requires 18 hours including MGT 300, 304, 306, and 9 hours of approved Management electives.

DEPARTMENT OF MARKETING AND BUSINESS LAW

Debra Burke, Head


MAJOR IN MARKETING, B.S.B.A. DEGREE

Liberal Studies, 42 hours

Foundation of Knowledge for Business Hours: 36

The following 30 hours in the major

MKT 475 - Marketing Strategy and Management, 3 hours
MKT 302 - Integrated Marketing Communications Strategy, 3 hours
MKT 303 - Marketing Research, 3 hours
MKT 304 - Consumer Behavior, 3 hours
MKT 306 - Introduction to Professional Selling, 3 hours
MKT 310 - Consultative Selling, 3 hours
MKT 403 - Advertising Management, 3 hours
MKT 404 - Retailing Management, 3 hours
MKT 405 - Business and Organizational Marketing, 3 hours
MKT 406 - Channels of Distribution, 3 hours
MKT 407 - Global Marketing, 3 hours
MKT 409 - Negotiations/Relationship Marketing, 3 hours
MKT 410 - Sales Management and Negotiation, 3 hours
MKT 482 - Independent Study, 3 hours
MKT 483 - Internship in Marketing, 3 hours
MKT 493 - Topics in Marketing, 1-3 hours, R12

General electives, 21 hours

Note: Students may select various interest areas, e.g., sales, retailing, general marketing, by carefully choosing their electives in consultation with their academic adviser.

CURRICULUM GUIDE FOR MARKETING, B.S.B.A. DEGREE

FRESHMAN YEAR

FALL SEMESTER

Course and Number Hrs.
C5 Physical & Biological Sciences 3
P1 Social Sciences 3
190 series First Year Seminar 3
JS 101 Jumpstart 0
ENGL 101 Composition I 3
HEAL or HSCC 123/101 Wellness 3

SPRING SEMESTER

Course and Number Hrs.
P3 History 3
P5 Fine & Performing Arts 3
CMHC 201 Communication 3
ENGL 102 Composition II 3
MATH 135 Statistics 3

SOPHOMORE YEAR

FALL SEMESTER

Course and Number Hrs.
C5 Physical & Biological Sciences 3
ACCT 251 Principles of Accounting I 3
ACCT 251 Mgt Information Systems 3
ECON 231 Microeconomics 3
LS Perspective 3

SPRING SEMESTER

Course and Number Hrs.
LAW 230 Legal Environment of Bus 3
ACCT 252 Principles of Accounting II 3
ECON 232 Macroeconomics 3
MGT 235 Statistics 3

JUNIOR YEAR

FALL SEMESTER

Course and Number Hrs.
Perspectives 3
CIS 304 Business Communications 3
MGT 300 Intro to Management 3
MGT 305 Quantitative Bus Analysis 3
MKT 301 Principles of Marketing 3

SPRING SEMESTER

Course and Number Hrs.
FIN 305 Financial Management 3
MGt 306 Behav. Science in Organ 3
MKT Elective (1) 3
MKT Elective (2) 3

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SENIOR YEAR

FALL SEMESTER

Course and Number Hrs.
MKT Elective (3) 3
MKT Elective (4) 3
MKT Elective (5) 3
General Elective 3
General Elective 3

SPRING SEMESTER

Course and Number Hrs.
LS Jr-Sr Perspectives 3
General Elective 3
MKT Elective (6) 3
MGT 404 Strategic Management 3
MKT 475 Marketing Strategy 3

Total Hours for Degree 120
1 Total hours must equal 120
2 Prerequisites for MGT 404 are ACCT 252, ECON 231, FIN 305, MGT 300, MKT 301 and senior standing
3 Be sure to consult with “The Record” or with your academic advisor to be sure that you are meeting the correct distribution of Perspectives courses. Twenty four (24) total hours of perspective courses are required.

Students may finish earlier if they attend summer school at WCU or another approved institution.

**MAJOR IN BUSINESS ADMINISTRATION AND LAW, B.S.B.A. DEGREE**

**Liberal Studies, 42 hours**

Foundation of Knowledge for Business, 36 hours

The following 24 hours in the major

- LAW 275 Business Associations, 3 hours
- LAW 331 Contracts and Sales, 3 hours
- LAW 475 Legal Aspects of Business Management, 3 hours
- MGT 404 - Strategic Management, 3 hours
- Electives (12 hours) selected from the following
  - LAW 302, 303, 306, 315, 320, 393, 402, 403, 406, 410, 412, 440, 480, 483, 484, or 485
- General electives, 18 hours.

**CURRICULUM GUIDE FOR BUSINESS ADMINISTRATION AND LAW, B.S.B.A. DEGREE**

**FRESHMAN YEAR**

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<td>LAW 230 Legal Env of Business</td>
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<td>LAW 275 Business Associations</td>
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<tr>
<td>C5 Physical &amp; Biological Sciences</td>
<td>3</td>
<td>P6 World Cultures</td>
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**JUNIOR YEAR**

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Hrs</th>
<th>SPRING SEMESTER</th>
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<tbody>
<tr>
<td>MGT 300 Intro to Management</td>
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<td>FIN 305 Financial Management</td>
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<tr>
<td>MGT 305 Quantit Bus Analysis</td>
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<td>MGT 306 Behavioral Science in Organ</td>
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<td>CIS 304 Business Communications</td>
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<td>LAW Electives</td>
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<td>LAW 331 Contracts and Sales</td>
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<td>General Elective</td>
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<td>P1 Social Science</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

### SENIOR YEAR

#### FALL SEMESTER

<table>
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<th>Hrs</th>
<th>Course and Number</th>
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<tr>
<td>MKT 301 Principles of Marketing</td>
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<td>P4 Jr-Sr Humanities</td>
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<td>LAW Electives</td>
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<td>MGT 404 Strategic Management</td>
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<td>General Electives</td>
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<td>LAW 475 Legal Aspects of Bus Mgt</td>
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</tbody>
</table>

**Total Hours for Degree** 120

Students may finish earlier if they attend summer school at WCU or another approved institution.

All "Foundations of Knowledge for Business" courses are prerequisites for MGT 404.

#### Minor in Business Administration

The requirement for an 18 semester hour minor in business administration are ACCT 161 or ACCT 251, ECON 231 or ECON 232, FIN 305, MGT 300, MKT 301, and one other course in the College of Business.

#### Minor in Business Law

The minor, open to nonbusiness majors only, requires 18 hours, including LAW 105 or 230, and 15 hours from the following: LAW 201, 275, 302, 303, 306, 315, 320, 331, 402, 403, 406, 410, 412, or 440.

#### Minor in Marketing

The minor, which is open to nonbusiness majors only, requires 18 hours including MKT 301, MKT 411 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.
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 birth-kindergarten, communication sciences and disorders, 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.

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.

Second Academic Concentration A second academic concentration is an eighteen hour course of study in an academic discipline required of education students enrolled in a B.S. Ed. program in elementary, middle grades, or physical education. The concentration areas available are the following: anthropology, art, biology, communication training and development, English, health promotion and wellness, history, mathematics, natural science, philosophy, political science, psychology, social sciences, sociology, Spanish, and theatre. A second academic concentration declaration form must be completed and filed in the dean’s office.

SECOND ACADEMIC CONCENTRATIONS (18 HOURS MUST BE COMPLETED FOR EACH CONCENTRATION)

- Please select one of the following:

1. **Anthropology (Total hours 18)**
   - Required courses: ANTH 260
   - Additional courses: Select 15 additional hours from upper level Anthropology courses

2. **Art (Total hours 18)**
   - Required courses: ART 131 Intro Drawing, ART 137 Art History Survey II
   - Students must choose either a 2D or 3D concentration. 2D Concentration includes ART 132 2D Design, plus an additional 9 hours chosen from painting, drawing, printmaking, photography or book arts courses. 3D Concentration includes ART 142 3D Design, plus an additional 9 hours chosen from ceramics or sculpture courses
3 BIOLOGY (Total hours 18)
Required courses BIOL 140, 141, 304, 305, 333, 496

4 CHEROKEE (Total hours 18)
Choice of either a language or cultural competency concentration

Language Concentration
Required 12 hours in Cherokee Language from the following CHER 101 132, 231, 232, 351 and other approved courses, HIST 445, and one approved elective

Cultural Competency Concentration
Required 3 hours of Cherokee Language (CHER 101 or equivalent) and HIST 445
Electives Twelve hours from at least two other disciplines ANTH 379, 431, 461, 473, ASI 494, ENGL 464, HIST 175, PAR 327 (or approved courses)

5 COMMUNICATION TRAINING AND DEVELOPMENT (Total hours 18)
Required courses CMCR 150, 250
Additional courses Select 12 hours from CMHC 314, 411, 414, 415, CMTD 315, 316, 412, 413, 465, 493, CMCR 350

6 ENGLISH (Total hours 18)
Required courses ENGL 251, 252, ENGL 261, 262, ENGL 312, ENGL 414

7 HEALTH PROMOTION AND WELLNESS (Total hours 18)
Required courses HEAL 305, HEAL 312, ND 330, COUN 325
Additional courses Select 6 hours from ENVH 230, HEAL 250 (for non-PE majors) HSCC 150, PE 255 (for non-PE majors), PE 365, PSY 331, PSY 426, SM 213, SOC 365 Note Selecting HEAL 250 and or PE 255 will result in 19 hours in the SAC

8 HISTORY (Total hours 18)
Required courses HIST 231, 232
Additional courses Select 12 hours of junior-senior level history courses

9 MATHEMATICS (Total hours 18)
Required courses MATH 146, MATH 170 or 270, MATH 311, MATH 140 or 153
(Students majoring in middle grades education must also complete MATH 231 ) Elective courses MATH 250, 255, 300, 301, 400 or other courses approved by the Head of the Department of Mathematics and Computer Science to complete a minimum of 18 hours

10 NATURAL SCIENCE (Total hours 18)
Required courses BIOL 140, GEOL 150, PHYS 130, CHEM 132
Additional courses Select 2 hours from any AST, BIOL, CHEM, GEOL, or PHYS course not counted for Liberal Studies

11 PHILOSOPHY (Total hours 18)
Required courses PAR 102, PAR 230
Additional courses Select 12 hours of philosophy or religion courses at the junior-senior level

12 POLITICAL SCIENCE (Total hours 18)
Required courses PSC 150
Additional courses Select 15 hours from any 200 level and above Political Science courses

13 PSYCHOLOGY (Total hours 18)
Required course PSY 150
Additional courses Select 3 hours from PSY 210, 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)

14 SOCIAL SCIENCES (Total hours 18)
Available only to Middle Grade majors Select 6 hours in each of the following three categories:

One of the choices must be a geography course, and all courses must be exclusive of liberal studies

Recommended courses are marked with an asterisk *

I HIST 222 and one of the following GEOG 350*, HIST 327*, PSC 215*, GEOG 440 (if European or South American topic), HIST 311, 313, 317, 322, 323, 330, 361, 362, 412, 413, 414, 416, 425, 493 (if European or South American topic), PSC 219, 345, 346, 415

II Two of the following ANTH 477*, HIST 107*, HIST 373*, HIST 375*, HIST 411, 493 (if Asian or African topic), GEOG 440 (if Asian or African topic), PSC 216, 317, 333, 335, 436, 493 (if Asian or African topic), SOC 434

III HIST 341 and one of the following HIST 443*, HIST 446*, PSC 408*, GEOG 440 (if North Carolina topic), HIST 431, 432, 433, 434, 435, 436, 442, 445, 448, 451, 454, 455, PSC 347

15 SOCIOLOGY (Total hours 18)
Required courses SOC 103
Additional courses Select 15 hours from any 200-level and above sociology course

16 SPANISH (Total hours 18)
Required courses SPAN 102 or equivalent, SPAN 231 & 232 or SPAN 240, or equivalent, SPAN 301 and 302
Additional courses Select 3 additional hours from upper level Spanish courses

17 THEATRE (Total hours 18)
Required courses CMTA 131, 140, 231, 350, 400, 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 Room 219, Killian Building 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 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 twenty-one to thirty-two semester 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 Hours, 32 hours: BK 250, SPED 313, EDEL 313, COUN 310, BK, SPED, EDEL 483, BK, SPED, EDEL 496

Elementary and Middle Grades, 26 hours: EDCI 231, PSY 320, 321, SPED 335, EDEL 484, 485, 495

Physical Education, 26 hours: EDCI 231, PSY 320 or 322, 321, PE 325, PE 488, PE 489, 496

Special Education, 21 hours: EDCI 231, PSY 320 or 322, 321, SPED 490, 495

Secondary and Special Subject Teaching, 28 hours: EDCI 231, EDSE 322, PSY 320 or 322, 321, SPED 335, *Methods, EDSE 490, 495, **491

*Methods: ART 463, ENGL 417, GER 420, HIST 405, MATH 415, MUS 326 or 327, SCI 422,
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. Teacher education students are required to complete one field experience in a diverse setting, as defined by the College of Education and Allied Professions. Students who do not complete one of the early field experience requirements in a diverse setting must be placed in a diverse setting for the internship or student teaching semester.

3. Field experience 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. (2.75 GPA required for elementary and middle grades majors), (6) completion of at least two-thirds of the major, (7) completion of all records designated by the director of field experiences, (8) completion of the applicable professional education sequence except for student teaching/internship and the student teaching/internship seminar, (9) completion of an approved SBI background check, (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, and (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, 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 446, EDEL 472, EET 301, EET 302, ENGL 305, ENGL 307, ENGL 310, MUS 181, and MUS 283.

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 BIRTH-KINDERGARTEN, ELEMENTARY AND MIDDLE GRADES EDUCATION

B. Houghton, interim head

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.

Birth-Kindergarten majors must maintain an overall GPA of 2.5 or better and passing grades in all courses required in the major. If a student's overall GPA falls below 2.5, the student will have one semester to increase the GPA to the minimum 2.5 level. If after one semester, the overall GPA is not 2.5, the student is withdrawn from the major. The student may redeclare the major at a later semester when the minimum GPA is met. If a student receives an F in a required major course, the student must retake the course when it is offered and earn a passing grade. If a student fails any required major course twice, the student is withdrawn from the major.

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
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 312 - Kindergarten Curriculum, 3 hours
- BK 313 - Literacy and Numeracy, 3 hours
- BK 361 - Environments for Young Children, 3 hours
- BK 363 - Child Development, 3 hours
- BK 366 - Infant Development and Curriculum, 3 hours
- BK 462 - Adult-Child Interaction, 3 hours
- BK 463 - Computer Applications for Early Childhood Professionals, 3 hours
- BK 470 - Early Childhood Curriculum, 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 the Young Child, 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

20-21 hours selected from the following

- Professional education (20 hours) BK-SPED-EDEL 483 (16 hrs), BK-SPED-EDEL 496 (4 hrs)
- 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 hrs), 12 hours from COUN 430, HIST 451, SOC 326, SPED 401, 405 or courses approved by the BK program
- General electives, 14-15 hours

**CURRICULUM GUIDE FOR B.S. IN BIRTH-KINDERGARTEN (LICENSURE)**

**FRESHMAN YEAR**

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<td>HEAL or HSCC 123/101 Wellness</td>
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<tr>
<td>P5 Fine &amp; Performing Arts</td>
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<td>190 Series First Year Seminar</td>
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<td>JS 101 Jumpstart</td>
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</table>

Make sure one of the Liberal Studies Perspectives is 300-400 level.
**CURRICULUM GUIDE FOR B.S IN BIRTH-KINDERGARTEN (NON-LICENSURE)**

### SOPHOMORE YEAR

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<td>BK 260 Foundations of Child Study</td>
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<td>C2 Mathematics</td>
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<td>BK 366 Infant Deve and Curr</td>
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<td>CMHC 201 Communication</td>
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<td>BK 470 Early Childhood Curriculum</td>
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<td>BK 250*Intro to B-K</td>
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<td>SPED 345 Adapt &amp; Modif for Child w/ Disabilities</td>
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<td>BK 363 Child Development</td>
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<td>SPED 240 The Exceptional Child</td>
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<td>BK 361 Env for Young Children</td>
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<td>BK 313*Literacy and Numeracy</td>
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<td>SPED 411 Collaborative Planning</td>
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<td>COUN 440 Leadership and Facilitation</td>
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<td>BK 312 Kindergarten Curriculum</td>
<td>3</td>
<td>BK 462 Adult-Child Interaction</td>
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<tr>
<td>SPED 313 Assess of the Young Child</td>
<td>3</td>
<td>BK 463 Computer Applications</td>
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<tr>
<td>COUN 310*Family Systems</td>
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<td>SPED 412 Interagency Practicum</td>
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</tr>
</tbody>
</table>

*Professional Sequence Courses

After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier

### SENIOR YEAR

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs</th>
<th>Course and Number</th>
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<tbody>
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*Professional Sequence Courses

Total Hours for Degree 128

Students may finish earlier if they attend summer school at WCU or another approved institution

### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs</th>
<th>Course and Number</th>
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<tr>
<td>P1 Social Science</td>
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<td>P5 Fine &amp; Performing Arts</td>
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Make sure one of the Liberal Studies Perspectives is 300-400 level
SOPHOMORE YEAR

FALL SEMESTER
Course and Number
C5 Physical & Biological Sciences 3
C2* Mathematics 3
CMHC 201 Communication 3
BK 250** Introduction to B-K 3
BK 363 Child Development 3
SPED 240 The Exceptional Child 3
UBLIC 201 Communication 3
BK 366 Infant Develop and Curr 3
BK 470 Early Childhood Curriculum 3
SPED 345 Adapt and Modif for 3
Children w/Disabilities 6
General Electives 6
Total 18

SPRING SEMESTER
Course and Number
BK 260 Foundations of Child Study 3
BK 366 Infant Develop and Curr 3
BK 470 Early Childhood Curriculum 3
SPED 345 Adapt and Modif for 3
Children w/Disabilities 6
General Electives 6
Total 18

*Apply for admission to the Professional Sequence during this semester (Praxis I, interview, technology diagnostic, GPA of 2.75 or greater).

**Professional Sequence Courses

JUNIOR YEAR

FALL SEMESTER
Course and Number
BK 361 Env for Young Children 3
SPED 411 Collaborative Planning 3
BK 312 Kindergarten Curriculum 3
SPED 313 Assess of the Young Child 3
COUN 310 Family Systems 3
General Elective 2
Total 17

SPRING SEMESTER
Course and Number
BK 313 Literacy and Numeracy 3
COUN 440 Leadership and Facilitation 3
BK 462 Adult-Child Interaction 3
BK 463 Computer Applications 3
SPED 412 Interagency Practicum 3
Total 15

After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

SENIOR YEAR

FALL SEMESTER
Course and Number
BK 488 Internship II 9
General Elective 3
Total 12

SPRING SEMESTER
Course and Number
Major Jr-Sr Electives 12
General Elective 3
Total 15

Total Hours for Degree 128

Students may finish earlier if they attend summer school at WCU or another approved institution.

MAJOR IN ELEMENTARY EDUCATION, B S.ED DEGREE

Liberal Studies, 42 hours

The major requires 41 hours as follows

ART 363 - Art for Children, 1 hour
EDEL 311 - Kindergarten and Primary Curriculum, 2 hours
EDEL 312 - Elementary School/Methods and Curriculum, 2 hours
EDEL 318 - Elementary/Middle Grades Mathematics, 3 hours
EDEL 418 - Mathematics Methods Grades K-3, 3 hours
EDRD 303 - Literature for Children and Youth, 3 hours
EDRD 334 - Reading Instruction in the Elementary School, 3 hours
EDRD 474 - Practicum in Teaching Reading, 3 hours
ELMG 390 - Practicum I Credits (1-2)
ELMG 415 - Elementary/Middle Grades Communication Skills, 3 hours
ELMG 416 - Elementary/Middle Grades Science, 3 hours
ELMG 417 - Elementary/Middle Grades Social Studies, 3 hours
In order to complete the program, the following are required:

1. completion of an approved second academic concentration, 18 hours.
2. completion of the professional education sequence for elementary education majors, 27 hours
   EDCI 231, SPED 337, PSY 320, PSY 321, ELMG 484, ELMG 485, ELMG 495
3. no grade lower than C on all program requirements including all EDEL, EDMG, and EDRD courses will be accepted for graduation.

CURRICULUM GUIDE FOR ELEMENTARY EDUCATION, B S.ED. DEGREE

FRESHMAN YEAR

**FALL SEMESTER**

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<th>Course and Number</th>
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<td>HEAL or HSCC 123/101 Wellness</td>
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<td>190 series First Year Seminar</td>
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**SPRING SEMESTER**

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<td>P3 History</td>
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<td>C5 Physical &amp; Biological Sciences</td>
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<td>P4 Humanities</td>
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<td>P6 World Cultures</td>
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<td><strong>TOTAL</strong></td>
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Make sure one of the Liberal Studies Perspectives is 300-400 level

**SOPHOMORE YEAR**

**FALL SEMESTER**

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<th>Course and Number</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>C5 Physical &amp; Biological Sciences</td>
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<td>CMHC 201 Communication</td>
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<td>MUS 301 Basic Skills</td>
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<td>ART 363 Art for Children</td>
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<td>Second Academic Concentration</td>
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**SPRING SEMESTER**

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<th>Course and Number</th>
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<tr>
<td>MATH 230 Theory of Arithmetic I</td>
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<td>PE 361 PE for the Elementary Teacher</td>
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<td>EDCI 231 Foundations of Education</td>
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*Apply for admission to the Professional Sequence during this semester (Praxis I, interview, technology diagnostic, GPA of 2.75 or greater)

**JUNIOR YEAR**

**FALL SEMESTER**

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<tr>
<td>MATH 231 Theory of Arithmetic II</td>
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<td>EDEL 318**Elem/Middle Grades Mathematics</td>
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<tr>
<td>PSY 320**Child and Adoles Dev</td>
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<td>SPED 335Teaching Except Child</td>
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**SPRING SEMESTER**

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs</th>
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<tr>
<td>EDEL 312 *Elem School Methods &amp; Curriculum</td>
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<td>ELMG 417 Elem/Middle Grades SS</td>
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<td>EDRD 303Literature for Children &amp; Youth</td>
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<td>ELMG 416 Elem/Middle Grades SCI</td>
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<tr>
<td>EDRD 334*Read Inst in Elem School</td>
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<tr>
<td>PSY 321 *Educational Psychology Block</td>
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<td><strong>TOTAL</strong></td>
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</tbody>
</table>

*Prerequisite is admission to the professional sequence (EDEL 312 is also co-requisite with
Block)*EDCI 231 is prerequisite to EDEL 318, MATH 231 preferably taken with EDEL 318 (if not with, should be taken prior to EDEL 318)***EDCI 231 is prerequisite to PSY 320 BLOCK is one full day per week in a public school

After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier

SENIOR YEAR

FALL SEMESTER
Course and Number  Hrs.  
EDEL 484 Internship I 3  
ELMG 415 Elem/Middle Grades 3  
Communication Skills  
EDEL 566 Computers in Educ 3  
EDRD 474* Practicum in Teaching 3  
General Elective 3  

SPRING SEMESTER
Course and Number  Hrs.  
EDEL 488* Internship II 9  
ELMG 495* Seminar for Student Teachers 3  
*Prerequisite is admission to the Professional Sequence ALL COURSES LISTED EACH SEMESTER THE SENIOR YEAR ARE CO-REQUISITES Internships require students to report when the public school system schedule begins for that semester (usually the first week in January or August) Attendance in a seminar is required for Intern I

Total Hours for Degree. 128

Students must make a grade of C or better in all Professional Education and elementary major courses

MAJOR IN MIDDLE GRADES EDUCATION, B.S.ED. DEGREE

Professional Education Sequence, 27 hours  EDCL 231, PSY 320 or PSY 322, PSY 321, SPED 337, ELMG 484, ELMG 485, ELMG 495

Liberal Studies, 42 hours

The major requires 20 hours in core courses as follows

EDMG 410 - The Middle School Child and Curriculum, 3 hours  
EDMG 411 - Differentiated Instruction in Middle Grades Education, 4 hours  
EDRD 443 - Middle Grades Reading, 3 hours  
EDRD 474 - Practicum in Teaching Reading, 3 hours  
ELMG 390 - Practicum I, 1-2 hours  
ELMG 415 - Elementary/Middle Grades Communication Skills, 3 hours  
ELMG 466 - Computers in Education, 3 hours  

In order to complete the program, the following are required

1. The completion of an approved second academic concentration (18 hours),
2. Two concentrations of at least 18 hours, including the appropriate 3-hour methods course, in mathematics, science, social studies or language arts Work completed in the second academic concentration may be counted toward one of these concentrations
3. No grade lower than C on all program requirements including all EDEL, EDMG, ELMG, 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, 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

**CURRICULUM GUIDE FOR MIDDLE GRADES EDUCATION, B.S.ED. DEGREE**

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
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<tr>
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Make sure one of the Liberal Studies Perspectives is 300-400 level

**SOPHOMORE YEAR**

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<tr>
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<td>EDCI 231 Foundations of Education</td>
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<td>DFA/Conc</td>
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<td>DFA/Conc</td>
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</table>

*Take MATH 230 if Math is DFA or Concentration **Apply for admission to the Professional Sequence during this semester (Praxis I, interview, technology diagnostic, GPA of 2.75 or greater) DFA/CONCENTRATION courses are often offered in summer

**JUNIOR YEAR**

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
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<tbody>
<tr>
<td>Course and Number</td>
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<tr>
<td>EDMG 410* The Middle School Child</td>
<td>EDRD 443* Middle Grades Reading</td>
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<td>&amp; Curriculum</td>
<td>PSY 321* Educational Psychology</td>
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<td>PSY 320** Child &amp; Adoles Dev</td>
<td>EDEL 316**/318***/467**/317*</td>
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<td>ELMG 416**/417**/ or EDEL 318</td>
<td>Elem/Middle Grades Subjects</td>
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<td>***Elem/Middle Grades Subjects</td>
<td>DFA/Conc</td>
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<tr>
<td>SPED 335* Teaching Exceptional</td>
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*Prerequisite is admission to professional sequence **EDCI 231 is prerequisite to PSY 320 ***EDCI 231 is prerequisite to EDEL 318, MATH 231 preferably taken with EDEL 318 (if not with, should be taken prior to EDEL 318)

After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier

**SENIOR YEAR**

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268 education or middle grades education The program requires 19 semester hours including EDEL, 303, 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.
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<tr>
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<th>Course Title</th>
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<td>ELMG 415*</td>
<td>Elem/Middle Grades</td>
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<td>Communication Skills</td>
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<tr>
<td>ELMG 466*</td>
<td>Computers in Education</td>
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<tr>
<td>EDRD 474*</td>
<td>Practicum in Teaching</td>
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<tr>
<td>Reading</td>
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<td>EDEL 488*</td>
<td>Internship II</td>
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<tr>
<td>ELMG 495*</td>
<td>Seminar for Student Teachers</td>
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</table>

*Prerequisite is admission to the professional sequence. ALL COURSES LISTED THE SENIOR YEAR ARE CO-REQUISITES EACH SEMESTER. *Internships require students to report when the public school system schedule begins for that semester (usually the first week in January or August). Attendance in a seminar is required for Intern I and II.

**Total Hours for Degree: 128**

Students must make a grade of C or better in all Professional Education, middle grades major, SAC, and concentration courses.

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## DEPARTMENT OF EDUCATIONAL LEADERSHIP AND FOUNDATIONS

Jacque Jacobs, head


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## SMAJOR 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:

### Secondary Teaching (grades 9-12)

- Comprehensive Science
- English
- Mathematics
- Social Sciences

### Special Subject Teaching (grades K-12)

- Art
- Spanish
- German
- Music
- Physical Education
- Communication Disorders
- Special Education
- (General)

Students 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.

**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.

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## DEPARTMENT OF HEALTH AND HUMAN PERFORMANCE

David Claxton, head

MAJOR IN PHYSICAL EDUCATION, B.S.Ed. DEGREE

Liberal Studies, 42 hours

The major requires 40 hours as follows

HEAL 250 - First Aid and Safety Education, 2 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, 3 hours
PE 312 - Foundations of Health and Physical Education, 3 hours
PE 335 - Anatomy and Physiology, 3 hours
PE 345 - Physical Education for Children, 3 hours
PE 346 - Rhythmic Fundamentals, 2 hours
PE 353 - Methods and Teaching Analysis of Team Sports, 3 hours
PE 354 - Methods and Teaching Analysis of Dual and Individual Sports, 3 hours
PE 405 - Adventure Education, 1 hour
PE 423 - Kinesiology, 3 hours
PE 424 - Physical Education for the Exceptional Child, 3 hours
PE 425 - Exercise Physiology, 3 hours
PE 435 - Motor Behavior, 3 hours

In order to complete the program, the following are also required:

A second academic concentration of 18 hours is required for all physical education majors. All physical education majors are required to complete 26 hours in the professional education sequence of courses. These courses may be taken only when all criteria for continuation in the Teacher Education program have been met, with the exception of EDCI 231 and PSY 320 or 322. The following courses are in the professional education sequence for the physical education major:

EDCI 231, PSY 320 or PSY 322, PSY 321, PE 325, PE 488, PE 489, PE 496

A grade of C or better is required in all major classes including PE 325, PE 488, PE 489, and PE 496, which are also courses in the professional education sequence.

All majors are required to demonstrate a level of professional involvement in physical education, fitness and sport programs or activities. Professional involvement activities in physical education, fitness and sport include a requirement of 50 hours of community service prior to Internship II and may come in a variety of other ways such as membership and participation in professional organizations, selected service activities, and full semester activities. Examples of professional involvement activities include, but are not limited to, intramural participant or coach, active participation in a varsity sport (including cheerleading, athletic training or managing), membership in the Physical Education Majors Club, various certifications, coaching or officiating, or employment in a field related to physical education, fitness and/or sport. Documentation of such activities is required. A professional involvement point system will be made available upon declaration of the major. Points will be awarded at the discretion of physical education faculty advisers.

CURRICULUM GUIDE FOR PHYSICAL EDUCATION, B.S.Ed. DEGREE

FRESHMAN YEAR

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<th>Hrs.</th>
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<td>C2 MATH 101 Math Concepts</td>
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<td>C3 CMHC 201 Communication</td>
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<td>*P5 Fine &amp; Performing Arts</td>
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*One perspectives course must be a 300-400 level course
SOPHOMORE YEAR

Begin application to Teacher Education and declare Major and SAC during Fall semester.

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<th>FALL SEMESTER</th>
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<tbody>
<tr>
<td><strong>Course and Number</strong></td>
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<td>*P1 Social Sciences</td>
<td>PE 255 Theory/Practice of</td>
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<td>HEAL 250 First Aid and Safety Ed</td>
<td>Fitness &amp; Wellness</td>
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<td>PE 264 Skill Acquisition</td>
<td>PE 256 Pedago Aspects of Phys Ed</td>
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<td>PE 312 Foundations of Health &amp; Phys Ed</td>
<td>PE 353 Method/Analysis of Team Sports</td>
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<td>PE 335 Anatomy and Physiology</td>
<td>PE 311 Measurement and Evaluation</td>
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<td>EDCI 231 Foundations of Educ</td>
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<td>*One perspectives course must be a 300-400 level course</td>
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JUNIOR YEAR

Must be fully admitted to Teacher Education by Spring Semester.

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<tr>
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<td>*P6 World Cultures</td>
<td>PE 423 Kinesiology</td>
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<td>PE 345 Physical Educ for Children</td>
<td>PE 424 PE for the Exceptional Child</td>
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<td>PE 346 Rhythmic Fundamentals</td>
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</table>

After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

SENIOR YEAR

Begin Internship in Physical Education

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Course and Number</strong></td>
<td><strong>Course and Number</strong></td>
</tr>
<tr>
<td>PE 488 Internship I (high school)</td>
<td>PE 489 Internship II</td>
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<tr>
<td>PE 325 Curriculum and Methods</td>
<td>(elem/middle school)</td>
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<tr>
<td>PE 405 Adventure Education</td>
<td>PE 496 Internship Seminar</td>
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<td>PE 425 Exercise Physiology</td>
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<td>PSY 321 Educational Psychology</td>
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<tr>
<td>Second Academic Concentration</td>
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<tr>
<td><strong>Total Hours for Degree: 126</strong></td>
<td><strong>Total Hours for Degree: 126</strong></td>
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</tbody>
</table>

MAJOR IN PARKS AND RECREATION MANAGEMENT, B S. DEGREE

Liberal Studies, 42 hours

The major requires 38-40 hours as follows

- HEAL 250 First Aid and Safety Education, 2 hours or PRM 256 Outdoor First Aid, 4 hours
- PRM 250 Foundations of Parks and Recreation Management, 3 hours
- PRM 254 Introduction to Outdoor Pursuits Education, 3 hours
- PRM 270 Leadership and Group Dynamics in Recreation, 3 hours
PRM 361 Program Planning and Evaluation in Parks and Recreation Management, 4 hours  
PRM 370 Internship Orientation, 1 hour  
PRM 383 Internship in Parks and Recreation Management (mini-internships) (1 hour, repeat 3 times for a total of 3 hours)  
PRM 430 Entrepreneurship and Commercial Recreation, 3 hours  
PRM 433 Outdoor Recreation, 3 hours  
PRM 461 Management and Administration of PRM 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  

Concentrations, at least 12 hours selected from the following:

**Community Recreation**: PE 264, 265, 266, 410, 411, PRM 352, 420, 434, 435, 440, SM 315, 435, PRM 330/SM 330

**Outdoor Leadership and Instruction**: PRM 313, 314, 321, 352, 420, 425, 426, 434, 486, or RTH 470

**Commercial and Resort Recreation**: ACCT 161, BA 133, HT 130, 335, 336, MGT 300, 401, PRM 352, 425, 426, 434, 440, PRM/SM 330

**Recreation Resource Management (12 hours)**: An approved area of study tailored to suit specific land agencies such as the National Park Service, Forest Service, Bureau of Land Management, state parks, and Army Corp of Engineers

General electives, 26-28 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 in which the plan should 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.

**CURRICULUM GUIDE FOR PARKS AND RECREATION MANAGEMENT, B.S. DEGREE**

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
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<tbody>
<tr>
<td>Course and Number</td>
<td>Hrs</td>
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<tr>
<td>MATH 101 Math Concepts</td>
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<tr>
<td>P1 Social Sciences</td>
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</tr>
<tr>
<td>HEAL 123 Health and Wellness</td>
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<tr>
<td>190 series First Year Seminar</td>
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<td>JS 101 Jumpstart</td>
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**SOPHOMORE YEAR**

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<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
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<tbody>
<tr>
<td>Course and Number</td>
<td>Hrs</td>
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</tbody>
</table>
P4 Humanities 3  
PRM 254 Intro to Out Pur Educ 3  
P5 Fine and Performing Arts 3  
PRM 250 Foundations of PRM 3  
RTH 350 Rec Ther & People with Physical Disabilities 3  
C5 Physical & Biological Sciences 3  
PRM 270 Lead & Group Dyn in Rec 3  
P6 World Cultures 3  
PRM 430 Entre and Comm Rec 3  
PRM 383 Internship in PRM 1  

NOTE: At least one course in perspectives must be upper division.

JUNIOR YEAR

FALL SEMESTER

Course and Number Hrs.
PRM 361 Prog Plan and Eval in PRM 4  
PRM 433 Outdoor Recreation 3  
PRM 356 Outdoor First Aid 4  
PRM 383 Internship in PRM 1

SPRING SEMESTER

Course and Number Hrs.
Guided elective 3  
PRM 461 Mgt and Adm of PRM Serv 3  
Guided elective 3  
Guided elective 3  
PRM Concentration 3  
Guided elective 3

15 15

After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

SENIOR YEAR

FALL SEMESTER

Course and Number Hrs.
PRM Concentration 3  
Guided elective 3  
Guided elective 3  
PRM Concentration 3  
PRM Concentration 3

SPRING SEMESTER

Course and Number Hrs.
Guided elective 3  
PRM 370 Internship Orientation 1  
Guided elective 3  
Guided elective 3  
PRM Concentration 3  
PRM Concentration 3  
PRM Concentration 3

14 12

SUMMER SCHOOL

SESSION I

Course and Number Hrs.
PRM 480 Independent Study 3  
PRM 483 Internship in PRM 3  

Total Hours for Degree: 120

Students may finish earlier if they attend summer school at WCU or another approved institution.

MAJOR IN RECREATIONAL THERAPY, B.S. DEGREE

Liberal Studies, 42 hours

The major requires 70 hours as follows:

BIOL 291 Human Anatomy and Physiology, 4 hours  
BIOL 292 Human Anatomy and Physiology, 4 hours  
COUN 325 Survey of Human Development, 3 hours  
COUN 430 Individual and Group Counseling, 3 hours  
ENGL 401 Writing for Careers, 3 hours  
HEAL 250 First Aid and Safety Education, 2 hours  
HSCC 220 Medical Terminology, 3 hours  
HSCC 370 Introduction to Pharmacology, 2 hours  
PE 423 Kinesiology, 3 hours
### PRM 270 Leadership and Group Dynamics in Recreation, 3 hours

### PSY 150 General Psychology, 3 hours

### PSY 470 Abnormal Psychology, 3 hours

### RTH 200 Foundations of Recreational Therapy, 3 hours

### RTH 350 Recreational Therapy and People with Physical Disabilities, 3 hours

### RTH 352 Recreational Therapy Processes and Techniques, 3 hours

### RTH 360 Recreational Therapy Services for Older Adults, 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 Credits 3

### RTH 484 Recreational Therapy Clinical Internship, 6 hours

### RTH 485 Recreational Therapy Clinical Internship, 6 hours

General electives (8 hours) are required to complete the program

**NOTE** A grade of “C” or better is required in Recreational Therapy major classes including RTH 200, RTH 350, RTH 352, RTH 360, RTH 395, RTH 417, RTH 450, RTH 470, RTH 484, and RTH 485

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### CURRICULUM GUIDE FOR RECREATIONAL THERAPY, B.S. DEGREE

#### FRESHMAN YEAR

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<th>Course and Number</th>
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<th>SPRING SEMESTER</th>
<th>Course and Number</th>
<th>Hrs</th>
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<td>ENGL 101 Composition I</td>
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<td>ENGL 102 Composition II</td>
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<td>MATH 101 Mathematical Concepts</td>
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<td>CMHC 201 Communication</td>
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<td>P1 Social Sciences</td>
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<td>HEAL 123 Health and Wellness</td>
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<td>P3 History</td>
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<td>*C5 Physical &amp; Biological Sciences</td>
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<tr>
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<td>P6 World Cultures</td>
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*Do not take Biology to fulfill this requirement

#### SOPHOMORE YEAR

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<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>Hrs</th>
<th>SPRING SEMESTER</th>
<th>Course and Number</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>BIOL 291 Human Anatomy &amp; Physiology</td>
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<td>P5 Fine and Performing Arts</td>
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<td>HSCC 220 Medical Terminology</td>
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<td>P4 Humanities</td>
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<td>PRM 270 Leadership and Group Dynamics in Recreation</td>
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<td>RTH 200 Found of Recr Ther</td>
<td>3</td>
<td>RTH 352 Rec Therapy Proc &amp; Tech</td>
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<td>PSY 150 General Psychology</td>
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<td>HEAL 250 First Aid and Safety Educ</td>
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#### JUNIOR YEAR

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<th>Course and Number</th>
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<th>SPRING SEMESTER</th>
<th>Course and Number</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>RTH 395 Pre-Internship Seminar</td>
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<td>RTH 360 Rec Ther for Older Adults</td>
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<tr>
<td>RTH 350 Rec Therapy &amp; People with Disabilities</td>
<td>3</td>
<td>RTH 470 Adventure-Based Rec Ther</td>
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<tr>
<td>COUN 325 Survey of Human Dev</td>
<td>3</td>
<td>PSY 470 Abnormal Psychology</td>
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<tr>
<td>HSCC 370 Introduction to Pharma General Electives</td>
<td>3</td>
<td>General Electives</td>
<td>6</td>
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<tr>
<td>P1-P6 Jr-Sr Perspective</td>
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<td><strong>Total</strong></td>
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</tbody>
</table>
After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

SENIOR YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Hrs.</th>
<th>SPRING SEMESTER</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>RTH 417 Admin of Rec Ther Serv</td>
<td>3</td>
<td>RTH 484 Internship in Rec Ther</td>
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<tr>
<td>RTH 450 Advanced Methods in Recreational Therapy</td>
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<td>RTH 485 Internship in Rec Ther</td>
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<tr>
<td>ENGL 401 Writing for Careers</td>
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<td>COUN 430 Indiv and Group Couns</td>
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<td>PE 423 Kinesiology</td>
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<td>15</td>
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</table>

Total Hours for Degree: 120

Students may finish earlier if they attend summer school at WCU or another approved institution

MAJOR IN SPORT MANAGEMENT, B.S. DEGREE

Liberal Studies, 42 hours

The major requires 73-76 hours as follows:

Core courses, 55 hours

- ACCT 161 - Accounting for the Non-Business Major, 3 hours or ACCT 251 - Accounting Principles 1 - Financial, 3 hours
- CIS 110 - Introduction to Computer Information Systems, 3 hours or CS 130 - Introduction to Computing, 3 hours
- ECON 231 - Introductory Microeconomics and Social Issues, 3 hours
- MGT 300 - Introduction to Management, 3 hours
- MKT 301 - Principles of Marketing, 3 hours
- SM 260 - Introduction to Sport Management, 3 hours
- SM 340 - Sport Ethics, 3 hours
- SM 380, 383, 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 445 - Sport Administration, 3 hours
- SM 460 - Financial Aspects of Sport, 3 hours
- SM 461 - Sport Marketing, 3 hours
- SM 484 - Internship in Sport Management, 6 hours
- SM 485 - Internship in Sport Management, 6 hours
- SM 495 - Sport Management Seminar, 3 hours

Concentrations Hours: 18-21 selected from:

- **Athletic Administration** CMPR 360, LAW 315, SM 315, Select three from MKT 302, 304, 306, 405, 407, 409, 410 *If a student intends to select an internship in coaching, a coaching minor is required*
- **Exercise Science and Fitness Management** CHEM 132, 133, ND 330, PE 423, 425, PE 335 or BIOL 291 or BIOL 292
- **Professional Sport Management** CMPR 360, LAW 230 or 315, MGT 302, Select three from MKT 302, 304, 306, 405, 407, and 409
Sales  ACCT 251 or 252, LAW 230, MGT 401, Select three from MKT 302, 304, 306, 407, 409, 410

Sports Information  CMCR 140, 301, CMPM 303, 304, 305, CMPR 360

General electives (3-6 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 more than 25 percent of the hours required for their degree from College of Business courses.

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. Earn and maintain a minimum cumulative GPA of 2.5 on hours attempted at WCU.
2. All students must have a 2.5 GPA to be eligible to take any 400 level SM prefix course.

Students who have not met the requirement for admission into the Sport Management major (2.5 GPA on hours completed at WCU) may register as pre-majors in Sport Management. Premajors will be advised in the Advising Office, and will bring their course schedules to a Sport Management advisor to receive their Registration Access Number (RAN). Students who have not achieved a 2.5 GPA by the time they have completed 60 hours should not remain as premajors in Sport Management, but should select another major.

Requirements for Graduation in Sport Management

- 2.5 WCU Grade Point Average (required for admission to internship and for graduation)
- 120 semester hours
- All other WCU requirements

CURRICULUM GUIDE FOR SPORT MANAGEMENT, B.S DEGREE

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
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<td>JS 101 Jumpstart</td>
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<td><strong>Total</strong></td>
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SOPHOMORE YEAR

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<tr>
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<tbody>
<tr>
<td>Course and Number</td>
<td>Hrs</td>
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<tr>
<td>P6 World Cultures</td>
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<tr>
<td>C5 Physical &amp; Biological Sciences</td>
<td>3</td>
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<tr>
<td>P5 Fine &amp; Performing Arts</td>
<td>3</td>
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<tr>
<td>SM 260 Intro to Sport Mgmt</td>
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<tr>
<td>SM 383 Apprenticeship</td>
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<td>General electives</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
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</table>
JUNIOR YEAR

FALL SEMESTER

Course and Number | Hrs
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MKT 301 Principles of Marketing | 3
MGT 300 Intro to Management | 3
SM 415 Legal Issues | 3
SM 435 Event & Facility Mgt and Mkt | 3
P4 Jr-Sr Humanities | 3

SPRING SEMESTER

Course and Number | Hrs
--- | ---
SM 423 Sociology of Sport | 3
SM 445 Sport Administration | 3
SM 460 Financial Aspects of Sport | 3

Concentration | 3

15

After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier

SENIOR YEAR

FALL SEMESTER

Course and Number | Hrs
--- | ---
SM 495 Sport Seminar | 3
SM 461 Sport Marketing | 3
Concentration | 6-7
Electives | 3

15-16

SPRING SEMESTER

Course and Number | Hrs
--- | ---
SM 484 Internship | 6
SM 485 Internship | 6

Concentration 6-7
Electives 3

12

Total hours for Degree 121 or 123

*123 hours for students taking the Exercise Science and Fitness Management concentration

*Students taking the Exercise Science and Fitness Management concentration have 3 elective hours as opposed to 5 elective hours compared to all other SM concentrations

Note At least 32 hours taken at WCU must be at the junior-senior level

Must have and maintain a 2.5 GPA to be accepted into program, do internship, and graduate

All students must have a 2.5 GPA to be eligible to take any 400 level SM prefix course

Must complete all SM prefix courses before doing internship

Must have 56 hours before taking 300/400 level Marketing or Management courses

For many concentrations a minor is strongly recommended

Many students will take an extra semester to intern during the summer months This allows students to spread coursework out an extra semester

Semester advising sessions are strongly recommended due to the many concentrations and unique goals and objectives of individual students

A cookbook approach to course selection is very difficult and the above is only one example of how a student could graduate in 8 semesters This example should not be used as a template for advising

Students may finish earlier if they attend summer school at WCU or another approved institution

Minor in Coaching

The minor requires 18 hours, including PE 240, 267, SM 415, one course selected from PE 375 or SM 313, and two courses selected from PE 410, 411, and SM 340

Minor in Parks and Recreation Management

The minor requires 18 hours, including PRM 250, 270, and 12 hours of approved electives
Minor in Physical Education
The minor requires 21 hours, including HEAL 250, PE 255, 256, 312, 345, 353, 424, 435. The minor is not open to physical education majors.

Minor in Sport Management
The minor, which is open to non-Sport Management majors, requires 18 hours as follows: SM 260, 313 or 423, 435 or 445, 460 or 461, and 484. Depending on courses selected, course prerequisites may add additional hours. Please check the catalog description for specific requirements. Students must have a WCU GPA of 2.5 or greater in order to register for and take 400-level Sport Management classes.
DEPARTMENT OF HUMAN SERVICES

Lisa Bloom, head


MAJOR IN COMMUNICATION SCIENCES AND DISORDERS, B.S. 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:

- CSD 270 - Introduction to Communication Disorders, 3 hours
- CSD 301 - Speech and Language Development, 3 hours
- CSD 370 - Phonetics, 3 hours
- CSD 372 - Acoustics and Speech Science, 3 hours
- CSD 380 - Anatomy and Physiology of the Speech Mechanism, 3 hours
- CSD 450 - Introduction to Audiology, 3 hours
- CSD 470 - Speech-Language Disorders in Adults, 3 hours
- CSD 472 - Aural Rehabilitation, 3 hours
- CSD 477 - Speech-Language Disorders in Children, 3 hours
- CSD 478 - Fluency and Voice Disorders, 3 hours
- CSD 479 - The Clinical Process, 3 hours
- SPED 240 - The Exceptional Child, 3 hours

Concentration, 24 hours

The professional education sequence requires PSY 320 and PSY 321, 6 hours

General electives include 20 hours

CURRICULUM GUIDE FOR COMMUNICATION SCIENCES AND DISORDERS, B.S. DEGREE

FRESHMAN YEAR

<table>
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<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>Hrs</th>
<th>SPRING SEMESTER</th>
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<td>ENGL 101 Composition I</td>
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<td>ENGL 102 Composition II</td>
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<td>C2 Math</td>
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<td>CMHC 201 Communication</td>
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<td>190 Series First Year Seminar</td>
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<td>HEAL or HSCC 123/101 Wellness</td>
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<td>C5 Physical &amp; Biological Sciences</td>
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<tr>
<td>P5 Fine &amp; Performing Arts</td>
<td>3</td>
<td>P6 World Cultures</td>
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Make sure one of the Liberal Studies Perspectives is 300-400 level

SOPHOMORE YEAR

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<thead>
<tr>
<th>FALL SEMESTER</th>
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<th>Hrs</th>
<th>SPRING SEMESTER</th>
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<td>CSD 270 Introduction to CD</td>
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### FALL SEMESTER

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<tr>
<th>Course and Number</th>
<th>Hrs.</th>
<th>Course and Number</th>
<th>Hrs.</th>
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</thead>
<tbody>
<tr>
<td>CSD 310 Speech/Lang Dev</td>
<td>3</td>
<td>CSD 380 Anatomy/Physiology</td>
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</tr>
<tr>
<td>CSD 370 Phonetics</td>
<td>3</td>
<td>Speech Mechanism</td>
<td>3</td>
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<tr>
<td>General electives</td>
<td>7</td>
<td>CSD 372 Acoustics/Speech Science</td>
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<tr>
<td>Concentration</td>
<td>3</td>
<td>General electives</td>
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### SPRING SEMESTER

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<tbody>
<tr>
<td>CSD 450 Audiology</td>
<td>3</td>
<td>CSD 472 Aural Rehab</td>
<td>3</td>
</tr>
<tr>
<td>CSD 470 Speech/Lang Disorders in Adults</td>
<td>3</td>
<td>CSD 477 Speech/Lang Disorders in Children</td>
<td>3</td>
</tr>
<tr>
<td>CSD 478 Fluency</td>
<td>3</td>
<td>CSD 479 The Clinical Process</td>
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<tr>
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<td>General electives</td>
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<td>Concentration</td>
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</table>

**Total Hours for Degree: 128**

After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

### SENIOR YEAR

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
<th>Course and Number</th>
<th>Hrs.</th>
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</thead>
<tbody>
<tr>
<td>CSD 450 Audiology</td>
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<td>CSD 477 Speech/Lang Disorders in Children</td>
<td>3</td>
</tr>
<tr>
<td>CSD 478 Fluency</td>
<td>3</td>
<td>CSD 479 The Clinical Process</td>
<td>3</td>
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<tr>
<td>General elective</td>
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<td>General electives</td>
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</tr>
<tr>
<td>Concentration</td>
<td>3</td>
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</tr>
</tbody>
</table>

This is a preprofessional program designed to prepare the student for graduate school in CSD. In addition to the major courses, the student is required to take 42 hours in Liberal Studies, 24 hours in a Concentration, Psy 320 and 321 and 20 hours in general electives.

### MAJOR IN SPECIAL EDUCATION, GENERAL, B.S.ED. DEGREE

Students who complete this major are eligible for North Carolina teaching licensure in Special Education General Curriculum.

Liberal Studies, 42 hours

- Special education major, 44 hours as follows
  - EDEL 318 - Elementary/Middle Grades Mathematics, 3 hours
  - EDRD 474 - Practicum in Teaching Reading, 3 hours
  - 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 - Exceptional Learners in the General Curriculum I, 3 hours
  - SPED 405 - Exceptional Learners in the General Curriculum II, 3 hours
  - SPED 407 - Behavioral Issues in the General Curriculum, 3 hours
  - SPED 413 - Teaching Adolescents with Learning Problems, 3 hours
  - SPED 417 - Managing Classrooms for Exceptional Children, 3 hours
  - SPED 423 - Teaching Reading to Individuals with Mild to Moderate Disabilities, 3 hours
  - SPED 484 - Special Education Internship I, 1-3 hours
- Guided electives, 6 hours

Concentration in one of the following (18 hours): Adaptive Curriculum, Cherokee Studies, Elementary Education, English, Mathematics, Middle Grades Language Arts, Middle Grades Mathematics.
Concentration Options:

- **Adaptive Concentration (18 hours)**
  EDRD 334, 443, SPED 241, SPED 311, SPED 344, SPED 414

- **Cherokee Studies Concentration (18 hours)**
  Art & Culture (Select 6 hours from the following) ANTH/ART 379, ANTH 465, 473, ENGL 464, PAR 327
  History & Archaeology (Select 6 hours from the following) ANTH 431, 440, 441, 461, 493, HIST 175, 445
  Language (Select 3 hours from the following) CHER 101, 132, 231, 232, 351
  Electives (3 hours) may be selected from any of the above or an approved course

- **Elementary Education (18 hours)**
  EDRD 303, 334, ELMG 415, 416 or 417, 419, 466

- **English Concentration (18 hours)**
  EDRD 467, ENGL 231, 312, 414, 416, Elective (3) hours from one of the following ENGL 365, 366, 367, 464, 477

- **Mathematics Concentration (18 hours)**
  MATH 153, 255, 270, 411 or 412, Electives (4 hours) any mathematics course numbered 250 or higher with the exception of MATH 301 and 311

- **Middle Grades Language Arts (18 hours)**
  EDMG 410, EDRD 443, EDRD 467 or ELMG 466, ENGL 312, ENGL 416

- **Middle Grades Math (18 hours)**
  EDMG 410, ELMG 419, MATH 170, 231, 311, 322

- **The Professional Education Sequence (21 hours)**, EDCI 231, PSY 320, 321, SPED 490, 495 and 2 hours of general electives, 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 417, SPED 413, SPED 423 or SPED 484

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**CURRICULUM GUIDE FOR SPECIAL EDUCATION, B.S.ED. DEGREE**

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
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<tbody>
<tr>
<td>Course and Number</td>
<td>Course and Number</td>
</tr>
<tr>
<td>ENGL 101 Composition I</td>
<td>ENGL 102 Composition II</td>
</tr>
<tr>
<td>MATH 101 Mathematical Concepts</td>
<td>CMHC 201 Communication</td>
</tr>
<tr>
<td>P1 Social Sciences</td>
<td>HEAL or HSCC 123/101 Wellness</td>
</tr>
<tr>
<td>P3 History</td>
<td>C5 Physical &amp; Biological Sciences</td>
</tr>
<tr>
<td>190 Series First Year Seminar</td>
<td>P5 Fine and Performing Arts</td>
</tr>
<tr>
<td>JS 101 Jumpstart</td>
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Obtain Service Learning Information

**SOPHOMORE YEAR**

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<tr>
<th>FALL SEMESTER</th>
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<tbody>
<tr>
<td>Course and Number</td>
<td>Course and Number</td>
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<tr>
<td>C5 Physical and Biological Sciences</td>
<td>*EDCI 231 Foundations of Educ</td>
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<tr>
<td>P1 Social Sciences</td>
<td>SPED 405 Except Learners</td>
</tr>
<tr>
<td>P4 Humanities</td>
<td>in the General Curriculum II</td>
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<tr>
<td>SPED 240 The Exceptional Child</td>
<td>SPED 417 Managing Classrooms for Exceptional Children</td>
</tr>
<tr>
<td>Elective</td>
<td>Guided Elective</td>
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<td>P6 World Cultures</td>
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<td>Concentration</td>
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Declare Concentrations

Pass PRAXIS I

**JUNIOR YEAR**

<table>
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<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>Hrs</th>
<th>SPRING SEMESTER</th>
<th>Course and Number</th>
<th>Hrs</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>SPED 310 Eval of the Except Child</td>
<td>3</td>
<td>***SPED 413 Teaching Adolescents</td>
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</tr>
<tr>
<td></td>
<td>**SPED 312 Teaching Students w/ Learning Problems, K-6</td>
<td>3</td>
<td>**SPED 407 Behavioral Issues in the General Curriculum</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>**PSY 320 Child and Adole Dev</td>
<td>3</td>
<td>SPED 423 Teaching Reading to Individuals with Mild/Moderate Dis</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SPED 401 Except Learners in the General Curriculum</td>
<td>6</td>
<td>EDRD 474 Practicum in Teaching Reading Concentration</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>18</td>
<td>Apply for SPED 484 Internship Confirm 2.5 in Major</td>
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</tbody>
</table>

Admitted to Professional Ed Sequence Confirm 2.5 in Major

After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

**SENIOR YEAR**

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>Hrs</th>
<th>SPRING SEMESTER</th>
<th>Course and Number</th>
<th>Hrs</th>
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<tbody>
<tr>
<td></td>
<td>EDEL 318 Elem/Middle Grades Math</td>
<td>3</td>
<td>**SPED 490 Supervised Student Teach</td>
<td>9</td>
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<tr>
<td></td>
<td>**PSY 321 Educational Psychology</td>
<td>3</td>
<td>**SPED 495 Seminar</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>**SPED 336 or 337 Teaching Except</td>
<td>3</td>
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<td>Guided elective</td>
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<tr>
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<td></td>
<td>18</td>
<td>Confirm 2.5 in major</td>
<td>12</td>
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</tbody>
</table>

Apply for Student Teaching Apply to take PRAXIS II Complete Service Learning Requirements Apply for Graduation

Confirm 2.5 in major Turn in Teaching Portfolios • Undergraduate Portfolio • Teacher Work Sample Portfolio • Technology Portfolio Complete the PRAXIS II

Total Hours for Degree 128

* Prerequisite to Professional Education Sequence (PES) **Professional Education Sequence (PES) courses ***SPED 312 must be taken first

NOTE A majority of the special education courses have some level of field experience that requires additional time beyond class meetings and assignments. Please consider time for field experiences when planning your schedule.

NOTE Each semester’s Schedule of Classes provides a list of courses acceptable under each Liberal Studies category.

Students may finish earlier if they attend summer school at WCU or another approved institution.
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

David McCord, head


MAJOR IN PSYCHOLOGY, B.S. DEGREE

Liberal Studies, 42 hours

- The major requires 39 hours as follows
  - PSY 150 - General Psychology, 3 hours
  - PSY 271 - Research Design and Data Analysis I, 3 hours
  - PSY 272 - Research Design and Data Analysis II, 3 hours
  - PSY 455 - History of 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.

CURRICULUM GUIDE FOR PSYCHOLOGY, B.S. DEGREE

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>Hrs</th>
<th>SPRING SEMESTER</th>
<th>Course and Number</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 101 Composition I</td>
<td>3</td>
<td>ENGL 102 Composition II</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C2 (Any Math Course)</td>
<td>3</td>
<td>CMHC 201 Communication</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C5 Physical and Biological Sci</td>
<td>3</td>
<td>C5 Physical and Biological Sci</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>First Year Seminar</td>
<td>3</td>
<td>C4 Wellness</td>
<td>3</td>
<td></td>
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<tr>
<td>PSY 150 General Psychology</td>
<td>3</td>
<td>PSY 200-level Elective</td>
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<tr>
<td>JS 101 Jumpstart</td>
<td>0</td>
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<td>15</td>
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SOPHOMORE YEAR

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<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>Hrs</th>
<th>SPRING SEMESTER</th>
<th>Course and Number</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>PSY 271 Research Methods I</td>
<td>3</td>
<td>P4 Humanities</td>
<td>3</td>
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<tr>
<td>PSY 320 Child and Adolescent Dev</td>
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<td>PSY Elective</td>
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<tr>
<td>P3 History</td>
<td>3</td>
<td>PSY 272 Research Methods II</td>
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<td>Minor Intro</td>
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<td>Minor</td>
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<tr>
<td>General Elective</td>
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<td>General Elective</td>
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### JUNIOR YEAR

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<tr>
<th>Course and Number</th>
<th>Hrs</th>
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<th>Hrs</th>
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</thead>
<tbody>
<tr>
<td>PSY Elective (Clinical)</td>
<td>3</td>
<td>PSY Elective (Experimental)</td>
<td>3</td>
</tr>
<tr>
<td>PSY 280 Research in Psych</td>
<td>3</td>
<td>P5 Fine and Performing Arts</td>
<td>3</td>
</tr>
<tr>
<td>P1 Social Sciences (UL)</td>
<td>3</td>
<td>P6 World Cultures</td>
<td>3</td>
</tr>
<tr>
<td>Minor</td>
<td>3</td>
<td>Minor</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
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<td>15</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

### SENIOR YEAR

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<tr>
<th>Course and Number</th>
<th>Hrs</th>
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<th>Hrs</th>
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<tbody>
<tr>
<td>PSY 455 History of Psychology</td>
<td>3</td>
<td>PSY 495 Senior Seminar</td>
<td>3</td>
</tr>
<tr>
<td>PSY 480 Research in Psychology</td>
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<td>PSY Elective</td>
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<td>Perspective Elective</td>
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<tr>
<td>Minor Credits</td>
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<td>Minor</td>
<td>3</td>
</tr>
<tr>
<td>General Elective Credits</td>
<td>3</td>
<td>General Elective</td>
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<td>15</td>
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</tbody>
</table>

**Total Hours for Degree: 120**

Students may finish earlier if they attend summer school at WCU or another approved institution.

### Minor in Psychology

The minor requires 24 hours, including 150, 251, 272 and 15 hours of Psychology electives.

### KIMMEL SCHOOL OF CONSTRUCTION MANAGEMENT AND TECHNOLOGY

*Vacant, interim dean*

### DEPARTMENT OF CONSTRUCTION MANAGEMENT

*Bradford Sims, head*

*G Burke, C Capano, D Jensen, R Mau, R Miers, C Woodson*

### MAJOR IN CONSTRUCTION MANAGEMENT, B S. DEGREE

**Liberal Studies, 42 hours**

Liberal studies courses that must be taken for the major:
- P1 ECON 231 - Introductory Microeconomics and Social Issues, 3 hours
- C5 GEOL 305 - Soils and Hydrology, 4 hours
- C2 MATH 146 - Precalculus, 4 hours
- P1 MKT 409 - Negotiations/Relationship Marketing, 3 hours
- C5 PHYS 130 - Introductory Physics I, 4 hours

The major requires 76 hours as follows:

- ACCT 251 - Accounting Principles I—Financial, 3 hours
- CM 121 - Introduction to Construction, 3 hours
- CM 142 - Construction Graphics and Plan Reading, 3 hours
CM 211 - Construction Methods and Materials I, 3 hours  
CM 212 - Construction Methods and Materials II, 3 hours  
CM 222 - Construction Surveying Layout, 3 hours  
CM 231 - Construction Documents and Codes, 3 hours  
CM 232 - Construction Statics and Strength of Materials, 3 hours  
CM 242 - Estimating I, 3 hours  
CM 332 - Construction Site Planning and Equipment, 3 hours  
CM 342 - Estimating II and Bidding, 3 hours  
CM 362 - Construction Planning and Scheduling, 3 hours  
CM 375 - Mechanical and Electrical Construction, 3 hours  
CM 401 - Construction Temporary Structures, 3 hours  
CM 402 - Construction Financial Management, 3 hours  
CM 421 - Construction Human Factors and Safety, 3 hours  
CM 424 - Facilities Management, 3 hours  
CM 431 - Construction Project Management, 3 hours  
CM 452 - Construction Capstone Project, 3 hours  
CM 483 - Required Internship in Construction, 2 hours  
CM 496 - Professional Development Seminar, 1 hour  
ENVH 390 - Environmental Issues in Construction, 4 hours  
LAW 230 - Legal Environment of Business, 3 hours  
LAW 430 - Construction Contracts and Law, 3 hours  
MATH 170 - Applied Statistics, 3 hours  
MGT 300 - Introduction to Management, 3 hours

General electives (6 hours) are required to complete the program.

CURRICULUM GUIDE FOR CONSTRUCTION MANAGEMENT (B.S.)

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
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<tbody>
<tr>
<td>Course and Number</td>
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<tr>
<td>First Year Seminar</td>
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<td>JS 101 Jumpstart</td>
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<tr>
<td>CM 121 Intro to Construction</td>
<td>3</td>
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<tr>
<td>ENGL 101 Composition I</td>
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<tr>
<td>HEAL 123 Health and Wellness</td>
<td>3</td>
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<td>MATH 146 Precalculus</td>
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SOPHOMORE YEAR

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<tbody>
<tr>
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<tr>
<td>PI Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>CM 212 - Construction Methods</td>
<td>3</td>
</tr>
<tr>
<td>CM 222 - Constr Surveying Layout</td>
<td>3</td>
</tr>
<tr>
<td>MATH 170 - Applied Statistics</td>
<td>3</td>
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<tr>
<td>PHYS 130 - Introductory Physics I</td>
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JUNIOR YEAR

<table>
<thead>
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<th>SPRING SEMESTER</th>
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<tbody>
<tr>
<td>Course and Number</td>
<td>Course and Number</td>
</tr>
<tr>
<td>CM 332 Constr Site Plan and Equip</td>
<td>3</td>
</tr>
<tr>
<td>CM 342 Estimating II and Bidding</td>
<td>3</td>
</tr>
<tr>
<td>ENVH 390 Envir I Issues in Const</td>
<td>4</td>
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<tr>
<td>GEOL 305 Soils and Hydrology</td>
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SUMMER SCHOOL I

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs</th>
<th>SUMMER SCHOOL II</th>
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<tbody>
<tr>
<td>CM 483 Internship in Construction</td>
<td>3 (Required)</td>
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<td>(400 hours work)</td>
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SENIOR YEAR

FALL SEMESTER

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<th>Course and Number</th>
<th>Hrs</th>
<th>SPRING SEMESTER</th>
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<tbody>
<tr>
<td>CM 401 Const Temporary Structures</td>
<td>3</td>
<td>P4 Humanities</td>
</tr>
<tr>
<td>CM 402 Const Financial Management</td>
<td>3</td>
<td>P3 History</td>
</tr>
<tr>
<td>CM 424 Facilities Management</td>
<td>3</td>
<td>Upper Level Perspectives</td>
</tr>
<tr>
<td>CM 431 Const Project Management</td>
<td>3</td>
<td>CM 421 Const Human Fact &amp; Labor</td>
</tr>
<tr>
<td>LAW 430 Const Contracts and Law</td>
<td>3</td>
<td>CM 452 Const Capstone Project</td>
</tr>
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</tbody>
</table>

Total Hours for Degree 124

Students may finish earlier if they attend summer school at WCU or another approved institution.

Remember 32 hours of 300-400 level courses must be taken at WCU.

DEPARTMENT OF ENGINEERING AND TECHNOLOGY

Ken Burbank, head

Robert Adams, Robert Anderson, Aaron Ball, Chip Ferguson, Scott Heggen, Brian Howell, William McDaniel, Phillip Sanger, Wes Stone, Brandy Venable, Paul Yanik, James Zhang

web address for program  http://et.wcu.edu/

MAJOR IN ELECTRICAL AND COMPUTER ENGINEERING TECHNOLOGY (B.S.)

The program emphasizes the application of microcomputers to the solution of industrial problems relating to automation, instrumentation, and control, in systems involving robotics, data communications, networks, and/or automated testing. In all cases, microcomputer hardware and software are used for data acquisition, transfer, and analysis.

Liberal Studies, 42 hours

The major requires 86 hours as follows:

Core Courses, 52 hours

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>CS 301 - High-Level Languages</td>
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<tr>
<td>ECET 231 - Circuit Analysis I</td>
<td>4</td>
</tr>
<tr>
<td>ECET 242 - Electronic Circuits</td>
<td>4</td>
</tr>
<tr>
<td>ECET 290 - Computer Engineering Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>ECET 321 - Circuit Analysis II</td>
<td>4</td>
</tr>
<tr>
<td>ECET 331 - Digital Integrated Circuits</td>
<td>4</td>
</tr>
<tr>
<td>ECET 341 - Advanced Circuit Analysis</td>
<td>3</td>
</tr>
<tr>
<td>ECET 478 - Senior Design Project Proposal</td>
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<tr>
<td>ECET 479 - Senior Design Project</td>
<td>3</td>
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<tr>
<td>MATH 146 - Precalculus</td>
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<tr>
<td>MATH 153 - Calculus I</td>
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</tr>
<tr>
<td>MATH 170 - Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 255 - Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 130 - Introductory Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 131 - Introductory Physics II</td>
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</tr>
<tr>
<td>Upper Division (34 hours)</td>
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</tbody>
</table>
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.

**CURRICULUM GUIDE FOR ELECTRICAL AND COMPUTER ENGINEERING (B.S.)**

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
<th>Course and Number</th>
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<td>CMHC 201 Communications</td>
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<td>Perspectives</td>
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<td>ENGL 102 Composition II</td>
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<td>ENGL 101 Composition I</td>
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<td>*MATH 146 Precalculus</td>
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<td>HEAL or HSCC 123/101 Wellness</td>
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<tr>
<td><strong>MATH 130 or consent of the director of mathematics placement</strong></td>
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**SOPHOMORE YEAR**

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<th>Course and Number</th>
<th>Hrs.</th>
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<td>Perspectives</td>
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<tr>
<td>CS Elective</td>
<td>3</td>
<td>ECET 242 Electronic Circuits</td>
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</tr>
<tr>
<td>CS 301 High-Level Languages</td>
<td>3</td>
<td>ECET 211 Electronic Drafting</td>
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<td>ECET 231 Circuit Analysis I</td>
<td>4</td>
<td>MATH 170 Applied Statistics</td>
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<td>PHYS 130 Introductory Physics I</td>
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<td>PHYS 131 Introductory Physics II</td>
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<td><strong>JUNIOR YEAR</strong></td>
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<th>Course and Number</th>
<th>Hrs.</th>
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<tr>
<td>ECET 321 Circuit Analysis II</td>
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<td>ECET 332 Microcontrollers</td>
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<tr>
<td>ECET 331 Digital Integrated Circuits</td>
<td>4</td>
<td>ECET 341 Advanced Circuit Analysis</td>
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<td><strong>MATH 153 - Calculus I</strong></td>
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<td>MATH 255 Calculus II</td>
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<tr>
<td><strong>TEL 345 - Introduction to LAN’s</strong></td>
<td>4</td>
<td>TEL 312 Elect Comm Fundamentals</td>
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<tr>
<td>PREQ: MATH 145 and 146 or permission of instructor</td>
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<tr>
<td><strong>PREQ: ECET 290 or permission of instructor</strong></td>
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**SENIOR YEAR**

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<thead>
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<th>Hrs.</th>
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<th>Hrs.</th>
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</thead>
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<tr>
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<td>Upper-Level Perspectives</td>
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<tr>
<td>General Electives</td>
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<td>Technical Elective</td>
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</tr>
<tr>
<td>ECET 431 Microproc Interfac</td>
<td>4</td>
<td>ECET 461 Digital Signal Processing</td>
<td>3</td>
</tr>
</tbody>
</table>
MAJOR IN ELECTRICAL ENGINEERING, B.S. DEGREE

The B.S. degree in Electrical Engineering is a joint offering between WCU and UNC Charlotte. All courses in the degree program are offered on the Cullowhee campus.

Freshmen and transfer students accepted into the University with the request to be in the electrical engineering program will be further evaluated by the department. Based upon an overall evaluation of high school records and test scores, with particular emphasis on advanced courses in math and science and test scores, freshmen may be admitted to one of two tracks:

- **FENG** – Students with acceptable records will be accepted directly to the Freshman Engineering sequence.
- **PENG** – Students needing additional courses before being accepted into the Freshman Engineering sequence will be advised as pre-engineers.

Admission to the Electrical Engineering program requires completion of all freshman year engineering program requirements with grades of C or better. Students from the FENG track must also have a minimum cumulative GPA of 2.00 for all courses taken. Students from the PENG track must have a minimum cumulative GPA of 2.50 for all courses taken.

In addition to the University requirements for continued enrollment, students in the electrical engineering program must maintain a cumulative GPA of 2.0 for all courses in the electrical engineering major. Failure to meet this requirement for two consecutive semesters will result in suspension from the electrical engineering program.

**Liberal Studies Hours 42**

The major requires 85 hours as follows:

**Electrical Engineering**

EE 200 - Computer Utilization in C++, 3 hours
EE 201 - Network Theory I, 3 hours
EE 202 - Network Theory II, 3 hours
EE 211 - Logic and Networks Laboratory, 1 hour
EE 212 - Instrumentation and Networks Laboratory, 1 hour
EE 221 - Logic Systems Design I, 3 hours
EE 222 - Electrical Engineering Design I, 2 hours
EE 311 - Systems and Electronics Laboratory, 1 hour
EE 312 - Electromagnetic and Electronic Devices Laboratory, 1 hour
EE 321 - Electromagnetic Fields, 3 hours
EE 322 - Electromagnetic Devices, 3 hours
EE 331 - Fundamentals of Electronics and Semiconductors, 3 hours
EE 332 - Electronics, 3 hours
EE 341 - Electrical Engineering Design II, 2 hours
EE 342 - Solid State Electronic Devices, 3 hours
EE 351 - Systems Analysis I, 3 hours
EE 401 - Senior Design I, 2 hours
EE 402 - Senior Design II, 2 hours
EE 411 - Analog and Digital Communication, 3 hours
EE 412 - Electrical Engineering Professional Practice, 2 hours
ENGR 199 - Introduction to Engineering Practices and Principles I, 3 hours
ENGR 200 - Introduction to Engineering Practices and Principles II, 2 hours
ENGR 300 - Professional Development, 1 hour
### Mathematics/Science
- CHEM 140 - Advanced General Chemistry, 4 hours
- MATH 152 - Engineering Calculus I, 3 hours
- MATH 252 - Engineering Calculus II, 3 hours
- MATH 253 - Engineering Calculus III, 3 hours
- MATH 320 - Ordinary Differential Equations, 3 hours
- MATH 370 - Probability and Statistics I, 3 hours
- PHYS 230 - General Physics I, 4 hours
- PHYS 231 - General Physics II, 3-4 hours
- PHYS 310 - Modern Physics, 3 hours
- PHYS 322 - Optics, 3 hours

### CURRICULUM GUIDE FOR ELECTRICAL ENGINEERING (B.S.)

#### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs</th>
<th>Course and Number</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>Social Sciences (P1)</td>
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<td>Social Sciences (P1)</td>
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<td>CHEM 140 Adv Chem (C5)</td>
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<td>ENGL 102 Composition II (C1)</td>
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<td>ENGL 101 Composition I (C1)</td>
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<td>ENGR 200 Eng/Prac/Princ II</td>
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<td>ENGR 199 Eng/Prac/Princ I (FS)</td>
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<td>MATH 252 - Engineering Calculus II</td>
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<tr>
<td>MATH 152 Eng /Calc I (C2)</td>
<td>3</td>
<td>PHYS 230 - Gen Physics I (C5)</td>
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<td>16</td>
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#### SOPHOMORE YEAR

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<thead>
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<th>Hrs</th>
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<tbody>
<tr>
<td>EE 200 Computer Utilization in C++</td>
<td>3</td>
<td>Oral Communicationo (C3)</td>
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<tr>
<td>EE 201 Network Theory I</td>
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<td>EE 202 Network Theory II</td>
<td>3</td>
</tr>
<tr>
<td>EE 211 Logic and Networks Lab</td>
<td>1</td>
<td>EE 212 Instr/Ntwrks Lab</td>
<td>1</td>
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<tr>
<td>EE 221 Logic Systems Design I</td>
<td>3</td>
<td>EE 222 Elect Engineering Design I</td>
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<td>MATH 253 Engineering Calculus III</td>
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<td>MATH 320 Ord Diff Equations</td>
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<td>PHYS 231 General Physics II</td>
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<td>PHYS 310 Modern Physics</td>
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#### JUNIOR YEAR

<table>
<thead>
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<th>Hrs</th>
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<tr>
<td>PHYS 322 Optics</td>
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<td>Humanities (P4)</td>
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<tr>
<td>EE 311 Sys/Electronics Laboratory</td>
<td>1</td>
<td>EE 312 E-M/Devices Laboratory</td>
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<tr>
<td>EE 321 Electromagnetic Fields</td>
<td>3</td>
<td>EE 322 - E-M Devices</td>
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<tr>
<td>EE 331 Fund Elect/Semicond</td>
<td>3</td>
<td>EE 332 - Electronics</td>
<td>3</td>
</tr>
<tr>
<td>EE 341 Elect Engineering Design II</td>
<td>2</td>
<td>EE 342 - Solid State Electronic Devices</td>
<td>3</td>
</tr>
<tr>
<td>EE 351 Systems Analysis I</td>
<td>3</td>
<td>MATH 370 - Probability and Statistics I</td>
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<tr>
<td>ENGR 300 Professional Development</td>
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#### SENIOR YEAR

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<tr>
<td>EE 4XX Elective</td>
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<td>Tech Elective</td>
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<tr>
<td>Tech Elective</td>
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<td>Tech Elective</td>
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<tr>
<td>World Cultures (P6)</td>
<td>3</td>
<td>History (P3)</td>
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<tr>
<td>Wellness (C4)</td>
<td>3</td>
<td>EE 402 - Senior Design II</td>
<td>2</td>
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<tr>
<td>EE 401 - Senior Design I</td>
<td>2</td>
<td>EE 412 - Elec Eng Prof Pract</td>
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</tr>
<tr>
<td>EE 411 - Anal/Dig Comm</td>
<td>3</td>
<td>P5 Fine and Performing Arts</td>
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<td>16</td>
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</tbody>
</table>
Note: Courses indicated by designations such as P6 fulfill the liberal studies component. An upper level requirement is contained in the Liberal Studies component.

MAJOR IN ENGINEERING TECHNOLOGY, B.S. DEGREE

Liberal Studies Hours: 42

The major requires 67 hours as follows:

CHEM 132 - Introductory Chemistry, 4 hours
ECET 301 - Electrical Systems, 3 hours
ENGL 305 - Technical Writing, 3 hours
ET 132 - Engineering Graphics, 3 hours
ET 141 - Engineering Materials and Processes, 3 hours
ET 231 - 3-D Computer Modeling, 3 hours
ET 232 - Statics and Strength of Materials, 3 hours
ET 331 - Quality Systems, 3 hours
ET 349 - Rapid Tooling and Prototyping, 3 hours
ET 351 - Engineering Analysis, 3 hours
ET 420 - Polymer Technology, 3 hours
ET 425 - Metrology and Reverse Engineering, 3 hours
ET 436 - Engineering Economic Analysis, 3 hours
ET 441 - Power Transmission Systems, 3 hours
ET 461 - Engineering Project Management, 3 hours
ET 472 - Integrated Control Systems, 3 hours
ET 478 - Integrated Systems Project, 3 hours
MATH 140 - Introductory Calculus, 5 hours
MATH 144 or 145 - Trigonometry, 3 hours
MATH 170 - Applied Statistics, 3 hours
PHYS 130 - Introductory Physics I, 4 hours

General electives (15 hours) 9 of which must be upper level

The mathematics and sciences courses that are required in the major may be used to satisfy liberal studies categories C2 and C5. In this case, 9 hours of general electives must be taken to meet degree requirements.

CURRICULUM GUIDE FOR ENGINEERING TECHNOLOGY (B.S.)

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
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<tr>
<td>Hrs.</td>
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<tr>
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<tr>
<td>190 Series First Year Seminar</td>
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<tr>
<td>P5 Fine and Performing Arts</td>
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<tr>
<td>JS 101 Jumpstart</td>
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<td>ENGL 101 Composition I</td>
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<tr>
<td>ET 132 Engineering Graphics</td>
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<tr>
<td>MATH 144 or 145 Trigonometry</td>
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SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
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<tbody>
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<tr>
<td>Hrs.</td>
<td>Course and Number</td>
</tr>
<tr>
<td>Hrs.</td>
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<tr>
<td>P1 Social Sciences</td>
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<td>P3 History</td>
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<td>ET 231 3D Computer Modeling</td>
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<td>MATH 140 Introductory Calculus</td>
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<td>PHYS 130 Introductory Physics I</td>
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## JUNIOR YEAR

### FALL SEMESTER

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<td>ECET 301 Electrical Systems</td>
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<td>Electives</td>
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<td>ET 331 Quality Systems</td>
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<td>ENGL 305 Technical Writing</td>
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<td>ET 349 Rapid Tooling and Prototyping</td>
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<td>ET 351 Engineering Analysis</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

### SPRING SEMESTER

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs</th>
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<tr>
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<td>Electives</td>
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<tr>
<td>ENGL 305 Technical Writing</td>
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<td>ET 351 Engineering Analysis</td>
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### SENIOR YEAR

### FALL SEMESTER

<table>
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<th>Course and Number</th>
<th>Hrs</th>
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<tr>
<td>ET 420 Polymer Technology</td>
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<td>ET 436 Engineering Econ Analysis</td>
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<td>ET 441 Power Transmission Systems</td>
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<tr>
<td>ET 461 Engineering Proj Management</td>
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### SPRING SEMESTER

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<tr>
<td>Elective</td>
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<tr>
<td>ET 478 Integrated Systems Proj</td>
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<tr>
<td>ET 425 Metro and Reverse Eng</td>
<td>3</td>
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<tr>
<td>ET 472 Integrated Control Systems</td>
<td>3</td>
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</tbody>
</table>

Total Hours for Degree 124

### MAJOR IN INDUSTRIAL DISTRIBUTION

This program is on inactive status and no new students are being enrolled.

### MAJOR IN MANUFACTURING ENGINEERING TECHNOLOGY

This program is on inactive status and no new students are being enrolled.

### MAJOR IN TELECOMMUNICATIONS ENGINEERING TECHNOLOGY

This program is on inactive status and no new students are being enrolled.

### Engineering Sales and Distribution Certificate

An Engineering Sales and Distribution Certificate requires 18 hours to include the following courses: ET 362, ET 436, MKT 301, MKT 306, MKT 310, and MKT 409. The Engineering Sales and Distribution Certificate is available to students who are pursuing the Engineering Technology degree.

### Minor in Broadcast Telecommunications Engineering Technology

The minor requires 19 hours including ECE 231 (Coreq MATH 146), 242 (Preq 231), 290, 331 (Preq 231), TEL 312 (Preq ECET 242 and MATH 153).

### Minor in Digital Communications Engineering Technology

The minor requires 19 hours including ECET 231 (coreq MATH 145), ECET 290, ECET 331 (preq ECET 231), ECET 332 (preq ECET 331) and PHYS 131 (preq PHYS 130).

### 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 TEL 345, 346, 445, 446, and 495.

### Plus Two Option for Engineering Technology Degree

Graduates of two year degree programs with a technology major may enroll in the Plus Two Option to secure a BS degree in Engineering Technology. Further information is available from the Engineering Technology Transfer Program Coordinator in the Department of Engineering Technology.
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 the courses below, 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.

ENVH 230 or 457 or HEAL 120, HSCC 240 plus ET 335, ET 336, ET 337 or their equivalents.
The College serves over 1,300 Honors students, and manages programs that are open to all undergraduates at Western Carolina University. The Honors College is a student-centered enterprise that enhances the educational experience for high-achieving students, encourages innovative teaching, learning, and curriculum development, serves students and faculty across all disciplines, and encourages and supports undergraduate research.

Honors College Benefits. Honors College students are invited to live in the two Honors residences, Reynolds or Buchanan Hall. Honors students also benefit from a special diploma (see “Honors College Diploma” below), priority registration, the opportunity to customize their curriculum (see “Honors Curriculum” below), access to Honors courses, special library privileges, and free copying/printing at the Honors Office in Reynolds. Note: social events put on by The Honors College Student Board of Directors, such as dances, parties, special trips, tournaments, or events through the Jerry Jackson Lectures in the Humanities Series, are open to all Western Carolina University students.

Admission. To be considered for The Honors College, incoming first-year students must have a high school record that meets at least one of these standards: 3.75 GPA, 1250 SAT or 30 ACT, or top 10% of the high school class. First-year students who achieve a 3.50 GPA or above on at least 12 credit hours in the first semester at Western Carolina University will be invited to join The Honors College. After the first semester, students who have at least a cumulative 3.33 GPA are welcome to meet with the Dean to be considered for admission on a case-by-case basis.

To Remain in The College. Honors College students must maintain a 3.10 cumulative GPA at 30 credit hours, a 3.20 GPA at 60 hours, and must have a cumulative 3.33 GPA at 90 hours. A student who is dropped from The Honors College may be reinstated if the cumulative GPA is brought up to an acceptable level.

Advising. Honors students who have not yet declared a major are advised by the Honors Director of Advising, the Associate Dean, or the Dean. Honors students who have declared a major are usually advised by a faculty member in the major department. For questions related to The Honors College or its programs, students are welcome to meet with an Honors advisor.

Honors College Curriculum. Because of their academic achievement, Honors students are able to “customize” their Liberal Studies and degree programs. In Liberal Studies, an Honors student may elect to take a higher level course in place of the Liberal Studies course (this requires a completed approval form, available at the Honors Office). If the Honors student completes the higher level course with a B- or higher, the student will receive Honors credit for the course. Honors students may create their own degree program (Special Studies degree) with “fast track” approval. For more information on the Special Studies degree and the approval process, contact the Honors Dean.

The Honors College Diploma. The diploma, available in any major at Western Carolina University, is a special honor—a signal of high achievement to employers and graduate school admissions officers. Honors College students must complete 30 Honors hours and have at least a 3.33 cumulative GPA upon graduation to receive the diploma. Graduation from The Honors College will be designated on the transcript.

Honors College Credits. Honors students do not take extra hours to earn the College diploma; they do enroll in special Honors classes, usually in the Liberal Studies Program, to earn the hours needed for the College diploma. At the major level, Honors students may arrange for an Honors contract with the instructor of the course (this is a one-on-one project worked out between the student and the instructor) to earn Honors credit. Contract forms are available at the Honors Office.
Transfer students who have Honors credit from other institutions need to meet with the Dean to determine how Honors credits will be accepted at Western Carolina University. Honors students who travel abroad may earn Honors hours for the experience by working out a special Honors contract with the Dean before they travel.

**Honors College Scholar Program** This is designed for exceptional students who are interested in preparation and sponsorship for prestigious national or international scholarships (for example, the Goldwater, Truman, or Rhodes) Honors College Scholars are allowed to enroll in special tutorial courses with top professors, these experiences usually lead to regional or national undergraduate research experiences. To complete the program, Honors College Scholars must complete at least 12 Tutorial hours (these are not additional hours, however, but they do count as Honors credit). Incoming first-year students who have achieved a minimum weighted 4.0 high school GPA and at least a 1300 SAT or 33 ACT score may be admitted. First-year students who make at least a 3.75 cumulative GPA on at least 12 hours may be admitted. Honors College Scholars must maintain at least a 3.75 cumulative GPA to remain in the program. Graduates of this program will receive special recognition on the diploma and transcript.

**Pre-Professional Programs** Pre-Medicine, Pre-Pharmacy, Pre-Law, Pre-Veterinary Medicine, Pre-Physical Therapy, Pre-Dental, Pre-Optometry, Pre-Physician's Assistant, Pre-Engineering

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. Students should make decisions early in their undergraduate career regarding preparation for professional school. The majority of professional school programs now require a bachelor's degree for admission, although there are still some exceptions. To make wise decisions regarding undergraduate prerequisite courses and selecting an undergraduate major, students should contact the Pre-Professional Advisor at The Honors College. Call (828) 227-3277, email smithsc@wcu.edu, come by 136 Reynolds, or visit the website at www.wcu.edu/honorscollege/professional.htm.

**Undergraduate Research** The Honors College sponsors Undergraduate Project Grants, which are grants of up to $500 each, to support supplies or travel related to student research and creative/performance projects. Students who are accepted to present at the National Conference for Undergraduate Research will have lodging, travel, and registration expenses paid for by The Honors College. Please contact the Dean for more information about these programs at (828) 227-7383.

**HONORS COLLEGE PROGRAMS THAT ARE OPEN TO ALL UNDERGRADUATES**

**The Humanities Program, B.A. Degree**

The Humanities Program is designed to enhance the academic and social university experience for humanities students at Western Carolina University. In addition, the Humanities Program allows students to double-major in four years (a total of 120 hours). Participating departments include Art (art history major), Communication, Theatre and Dance (speech communications major), English (literature, motion pictures studies, or professional writing majors), Modern Foreign Languages (German and Spanish majors), and Philosophy and Religion (philosophy major). In the Humanities Program, for example, a student could complete majors in literature and art history in 120 hours. To maintain the interdisciplinary spirit of the program, students cannot double major in the same department (literature and professional writing, for example). All students admitted to Western Carolina University are eligible for the Humanities Program.

Students who enroll in the Humanities Program must complete two special 27-hour majors specifically for Humanities students (for a total of 54 hours). They must complete at least six hours of a modern foreign language at the sophomore level (MFL 231 and 232 or 240) and the 42-hour Liberal Studies Program. They are also required to complete one-hour Humanities Seminars in the freshman, sophomore, and junior year for a total of 3 hours. Fifteen general elective hours will complete the total of 120 hours required for the Humanities Program.

Humanities students are invited to live in the Norton Road Humanities Residence Hall, a gathering place for student artists, creative writers, literary critics, and philosophers. For more information, contact the Humanities Program Director at (828) 227-3276.
MAJORS AVAILABLE IN THE HUMANITIES PROGRAM

Liberal Studies Hours: 42

Humanities Seminars (3 hours)
- USI 103 - Humanities Colloquium I Humanities in the Region, 1 hour
- USI 203 - Humanities Colloquium II The Humanities in the Nation, 1 hour
- USI 303 - Humanities Colloquium III The Humanities for World Cultures, 1 hour

MFL 231-232, 6 hours
Elective hours—any 300-400 level courses the student chooses, 15 hours

Two majors (B A degrees) from the following (27 hours each, for a total of 54 hours)

Art History (27 hours)
- ART 136 - Art History Survey I, 3 hours
- ART 137 - Art History Survey II, 3 hours
- Nine hours selected from
  - ART 131 - Introductory Drawing, 3 hours
  - ART 132 - Two-Dimensional Design, 3 hours
  - ART 141 - Life Drawing Credits (3, R6)
  - ART 142 - Three-Dimensional Design, 3 hours
- 12 hours selected from 300-400 level art history electives or nine hours of 300-400 art history electives and three hours of Phil 310 Philosophy of Art

German (27 hours)

German Core (12 hours)
- GER 301 - German for Everyday Use I, 3 hours
- GER 302 - German for Everyday Use II, 3 hours
- GER 321 - German Civilization I, 3 hours
- GER 322 - German Civilization II, 3 hours

German Language and Culture (15 hours)
- At least six 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, R6
- At least six hours selected from
  - GER 393 - Special Topics in German, 1-3 hours, R6
  - GER 401 - Contrastive Features of German and English, 3 hours
  - GER 451 - Advanced German Grammar, 3 hours
  - GER 452 - Advanced German Conversation, 3 hours

Literature (27 hours)

Literature Core (15 hours)
- 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
- 12 hours of 300-400 literature courses to be determined by the student and advisor

Motion Picture Studies (27 hours)
Motion Picture Studies Core (15 hours)

ENGL 278 - Introduction to Film Studies, 3 hours
ENGL 310 - Introduction to Screenwriting, 3 hours
ENGL 378 - Motion Picture Histories, 3 hours
ENGL 394 - Film Studies, 3 hours, R6
ENGL 478 - Film Theory, 3 hours

12 hours of 300-400 level courses to be determined by the student and advisor. Suggested but not required CMEM 351, ENGL 308, 331, 405, PAR 309

Philosophy (27 hours)

Philosophical Foundations of Humanities (6 hours)
PAR 102 - Western Moral Traditions, 3 hours
PAR 230 - Legal, Scientific, & Critical Reasoning, 3 hours
History of Philosophy or History of Religious Thought (9 hours)
Select any 9 hours of courses within the History category of Philosophy or Religion

Philosophy and the Humanities or Religion in the Humanities (6 hours)
Select any 6 hours of courses within the Humanities category of Philosophy or Religion

Philosophy and Culture or Religion and Culture (6 hours)
Select any 6 hours within the Culture category of Philosophy or Religion

Professional Writing (27 hours)

Professional Writing Core (6 hours)
ENGL 303 - Introduction to Professional Writing and Editing, 3 hours
ENGL 412 - Grammar for Writers, 3 hours

21 hours of 300-400 level professional writing courses to be determined by the student and advisor, 6 of these 21 hours may be selected from 300-400 level literature courses

Spanish (27 hours)

Language and Culture courses (6 hours)
SPAN 301 - Topics of the Hispanic World I, 3 hours
SPAN 302 - Topics of the Hispanic World II, 3 hours

Civilization and Culture courses (6 hours)
SPAN 321 - Spanish Civilization, 3 hours
SPAN 322 - Spanish-American Civilization, 3 hours

Electives, which must include two literature courses—6 hours (15 hours total)
SPAN 310 - Introduction to Spanish Prose and Poetry, 3 hours
SPAN 330 - Masterpieces of Spanish Peninsular Literature, 3 hours
SPAN 333 - Masterpieces of Spanish-American Literature, 3 hours
SPAN 401 - Contrastive Features of Spanish and English, 3 hours
SPAN 432 - Studies in Spanish-American Literature, 3 hours, R6
SPAN 451 - Advanced Spanish Grammar, 3 hours
SPAN 452 - Advanced Spanish Conversation, 3 hours

Speech Communication (27 hours)

Required Speech Communication courses (9 hours)
CMCR 250 - Public Communication, 3 hours
CMHC 410 - The Rhetoric of Performance, 3 hours
CMHC 411 - Rhetorical Theory and Criticism, 3 hours

Elective Speech Communication courses (18 hours selected from)
CMEM 351 - Comparative Studies in Motion Pictures/TV, 3 hours
CMHC 414 - Gender Communication, 3 hours
CMHC 415 - Intercultural Communication, 3 hours
CMTA 310 - Black Theatre Experience, 3 hours
CMTA 400 - History of the Theatre I, 3 hours
CMTA 401 - History of the Theatre II, 3 hours
CMTA 493 - Selected Topics in Theatre Studies, 1-3 hours, R9
ENGL 378 - Motion Picture Histories, 3 hours
ENGL 473 - Modern Drama, 3 hours
HIST 474 - Introduction to Oral History, 3 hours

CURRICULUM GUIDE FOR HUMANITIES PROGRAM, B.A. DEGREE

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
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<tbody>
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<td>MATH 101</td>
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<td>USI 103</td>
<td>1</td>
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SOPHOMORE YEAR

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<td>P4</td>
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<tr>
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JUNIOR YEAR

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<td>UL Pers/P6</td>
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<td>MFL 101</td>
<td>3</td>
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<td>Hum Major 2</td>
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SENIOR YEAR

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<td>3</td>
</tr>
<tr>
<td>Hum Major 1</td>
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<tr>
<td>Elective</td>
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</tr>
<tr>
<td>Hum Major 2</td>
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</tr>
<tr>
<td>Hum Major 2</td>
<td>3</td>
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</tbody>
</table>

Total Hours for Degree 120

Students may finish earlier if they attend summer school at WCU or another approved institution
THE GRADUATE SCHOOL
Note Complete information will be found in the graduate catalog, The Record, Graduate Catalog, available from the Graduate School

Scott E Higgins, dean

H Gibbs Knotts, associate dean

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 sixteen 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 History (American or European concentration), English, and psychology (clinical, school, and general experimental)

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, Social Sciences, and Special Education general (with a concentration in learning disabilities/mental retardation)

Master of Business Administration

Master of Construction Management

Master of Education College Student Personnel

Master of Entrepreneurship

Master of Fine Arts in Fine Arts

Master of Health Sciences Options in Education, Environmental Health, Management, Nutrition

Master of Music

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 Sciences and 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 3.00 in the last two years of the undergraduate program. 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 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 History (excluding non-thesis option and public history option), master of arts in English, master of arts in psychology (clinical, school, and general experimental), master of fine arts in fine arts, master of science in biology, and master of science in chemistry. A thesis or lecture/recital is required for the M.M. 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 Ed.D.

A reading knowledge of a foreign language is required for the following programs: master of arts in 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 in the Course Descriptions section of this catalog. 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.

<table>
<thead>
<tr>
<th>Numbering</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>01-100</td>
<td>Noncredit courses which are not applicable to degrees</td>
</tr>
<tr>
<td>101-199</td>
<td>Courses for freshmen</td>
</tr>
<tr>
<td>190-199</td>
<td>First-Year Seminar courses</td>
</tr>
<tr>
<td>200-299</td>
<td>Courses for sophomores</td>
</tr>
<tr>
<td>300-399</td>
<td>Courses for juniors</td>
</tr>
<tr>
<td>400-499</td>
<td>Courses for seniors</td>
</tr>
<tr>
<td>500-799</td>
<td>Masters-level courses</td>
</tr>
<tr>
<td>800-999</td>
<td>Doctoral-level courses</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Core</th>
<th>Perspectives</th>
</tr>
</thead>
<tbody>
<tr>
<td>C1</td>
<td>Writing</td>
</tr>
<tr>
<td>C2</td>
<td>Mathematics</td>
</tr>
<tr>
<td>C3</td>
<td>Oral Communication</td>
</tr>
<tr>
<td>C4</td>
<td>Wellness</td>
</tr>
<tr>
<td>P1</td>
<td>Social Sciences</td>
</tr>
<tr>
<td>P2</td>
<td>Physical and Biological Sciences</td>
</tr>
<tr>
<td>P3</td>
<td>History</td>
</tr>
<tr>
<td>P4</td>
<td>Humanities</td>
</tr>
<tr>
<td>P5</td>
<td>Fine and Performing Arts</td>
</tr>
<tr>
<td>P6</td>
<td>World Cultures</td>
</tr>
</tbody>
</table>

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
- 699: Thesis
- 779: Continuing Research - Non-Thesis Option
- 799: Continuing Research - Thesis Option
- 999: Continuing Research - Dissertation

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

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Field of Study</th>
<th>Department/College</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT</td>
<td>Accounting</td>
<td>Accountancy, Finance, and Entrepreneurship</td>
</tr>
<tr>
<td>ANTH</td>
<td>Anthropology</td>
<td>Anthropology and Sociology</td>
</tr>
<tr>
<td>ART</td>
<td>Art</td>
<td>Art and Design</td>
</tr>
<tr>
<td>ASI</td>
<td>Arts and Sciences Interdisciplinary</td>
<td>College of Arts and Sciences</td>
</tr>
<tr>
<td>AST</td>
<td>Astronomy</td>
<td>Chemistry and Physics</td>
</tr>
<tr>
<td>ATTR</td>
<td>Athletic Training Sports Medicine</td>
<td>Health Sciences</td>
</tr>
<tr>
<td>BA</td>
<td>Business Administration</td>
<td>Marketing and Business Law</td>
</tr>
<tr>
<td>BCST</td>
<td>Broadcasting</td>
<td>Communication, Theatre, and Dance</td>
</tr>
<tr>
<td>BIOL</td>
<td>Biology</td>
<td>Biology</td>
</tr>
<tr>
<td>BK</td>
<td>Birth-Kindergarten</td>
<td>B-K, Elementary and Middle Grades Education</td>
</tr>
<tr>
<td>CHEM</td>
<td>Chemistry</td>
<td>Chemistry and Physics</td>
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<tr>
<td>CHER</td>
<td>Cherokee</td>
<td>Modern Foreign Languages</td>
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<tr>
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<td>Chinese</td>
<td>Modern Foreign Languages</td>
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<tr>
<td>CIS</td>
<td>Computer Information Systems</td>
<td>Business Computer Information Systems and Economics</td>
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<td>Criminal Justice</td>
<td>Applied Criminology</td>
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<tr>
<td>CLS</td>
<td>Clinical Laboratory Sciences</td>
<td>Health Sciences</td>
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<tr>
<td>CMCR</td>
<td>Communication Core</td>
<td>Communication, Theatre, and Dance</td>
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<tr>
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<td>Electronic Media</td>
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Accounting (ACCT)

161 Accounting for the Non-Business Major (3)
The basic accounting cycle, financial statements, uses of accounting in business and nonbusiness organizations Not open to students seeking the B S B A 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, activitybased 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 251

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 Co-listed with FIN 301 PREQ 275

330 Fraud Examination 3
Overview of occupational fraud, including fraud theory, prevention, and investigation Emphasis on fraudulent financial reporting PREQ 275

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 161 or 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

467 Controllership (3)
Contemporary issues facing accountants in managerial decision-making responsibilities Comprehensive evaluation of information used for decisions with strategic implications for the company
480 Independent Research in Accounting (3)
PREQ Accounting major, permission of department head

483 Accounting Internship (3, R6)
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

484 Accounting Internship (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

485 Accounting Internship (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

493 Topics in Accounting (1-3, R6)
PREQ Permission of department head

Graduate Courses
551 Financial Accounting Concepts and Standards I (3)
552 Financial Accounting Concepts and Standards II (3)
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)
640 Auditing (3)
662 Taxation and Business (3)
682 Research Project in Accounting (3, R6)
683 Accounting Internship (3)
684 Accounting Internship (3)
685 Accounting Internship (3)
693 Topics in Accounting (1-3, R6)
779 Continuing Research - Non-Thesis Option (1, R10)

Anthropology (ANTH)

110 Origins of Civilization (3)
Survey of human and cultural development from the earliest hominids to the advent of ancient civilizations (P1)

120 Comparative Cultural Systems (3)
Analysis and comparison of the major features of diverse human cultures (P6)

190 Freshman Seminar The Human Condition (3)
Examination of various aspects of human cultural behavior 3 Seminar

250 Archaeology and Bioanthropology (3)
Evolutionary theory, human genetics, primatology, fossil humans, and early civilizations

251 Introduction to Forensic Anthropology (3)
A survey of the forensic applications of the human skeleton and related aspects of death investigation

260 Cultural and Social Anthropology (3)
Survey and comparison of social, political, economic, religious, and artistic achievements to provide understanding of cultural diversity

327 Economy and Society (3)
Types of economic systems examined and compared, emphasis on preindustrial and industrializing societies PREQ 260

341 History of Anthropological Theory (3)
Concepts, theories, and schools of thought in historical context, contributions to contemporary anthropology PREQ 250, 260

349 Applied Anthropology (3)
Examination of problems and solutions in programs of directed social and cultural change, case studies PREQ 260

351 Environmental Anthropology (3)
Relationships between physical environment and culture, nonphysiological means of environmental adaptation PREQ 250, 260, or SOC 103
361 World Prehistory (3)
Examination of prehistoric cultural developments and the advent of modern civilization in major world areas

363 Human Origins (3)
Examination of the human, hominid, and primate fossil records PREQ 250 or permission of instructor

364 Human Osteology (3)
An examination of the human skeleton focusing on bone anatomy and fundamental analytical methods

365 Religion, Magic, Myth (3)
Nonliterate religious tradition and ritual behavior, life-crisis rituals, secret societies, magic and witchcraft, notions of divinity PREQ 260

379 Cherokee Arts and Crafts (3)
Present-day Cherokee skills of woodcarving, basketry, pottery making, and other arts of Cherokee culture and society This course is cross-listed with ART 379 1 Lecture, 5 Lab

380 Ethnographic Research Methods (3)
Theory and method, techniques of observation, description, interviewing, notetaking, and analyzing data, planning and completing a field study This course is cross-listed with SOC 380 PREQ 260 or SOC 103

389 Cooperative Education in Anthropology (1 or 3, R15)
See Cooperative Education Program

400 Advanced Topics in Human Osteology (3)
An in-depth examination of the analytical and theoretical aspects of human osteology with an emphasis on forensic applications S/U grading PREQ 364 or permission of instructor

401 Osteopathology (3)
A study of bony evidences of disease in prehistory and in forensic applications PREQ 251 or 364 or permission of instructor

414 Minority Groups (3)
Relations between dominant and subordinate races and ethnic groups, historical, economic and cultural aspects are considered Not available as a P1 for Sociology majors Cross listed with Sociology 414 (P1) PREQ SOC 103 and SOC 245, or ANTH 260, or permission of instructor

417 Southern Appalachian Culture (3)
Stability and change in the sociocultural institutions of the region PREQ 260 or SOC 103

419 Comparative Family (3)
The family as a social institution in various cultures PREQ 260 or SOC 103

431 North American Prehistory (3)
Cultural history of the peoples of prehistoric North America, including Mexico PREQ 250

440 Archaeological Field Techniques (6)
Basics of field work, surveying, photography, excavation, recording, and preservation techniques PREQ Permission of instructor

441 Archaeological Problems and Analyses (3)
Experience in collecting and analyzing relevant archaeological data PREQ Permission of instructor

461 Indians of North America (3)
Traditional and changing life styles of native North Americans, environmental adaptations, social organizations, religions, and arts PREQ 260

465 Cultures of Latin America (3)
Cultural and historical perspectives on the political relations, social structures, and religions of the indigenous peoples of the region PREQ 260

466 Folklore (3)
Major forms, theories, and functions of lore among the world's cultures, collection, classification, and analysis of folklore PREQ 260 or permission of instructor
473 Contemporary Cherokee Culture and Society (3)
Present-day Cherokee culture and society, effects of tourism and the reservation system on lifestyles PREQ 260

474 Issues in Indian Health (3)
Historical and cultural context of disease in the Americas from 1500 AD to present, with focus on health of Indigenous Peoples of Southeast PREQ Junior or senior standing

477 Cultures of sub-Saharan Africa (3)
Cultural diversity and development in sub-Saharan Africa from earliest times to the present

481 Independent Study in Anthropology (1-2, R6)
PREQ Written application, approval of instructor and adviser

483 Anthropology Internship (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

484 Anthropology Internship (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

485 Anthropology Internship (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

486 Field Recovery of Human Remains (6)
Fundamentals of the field recovery of human remains, survey, photography, excavation and recovery, and processing PREQ Permission of instructor

493 Topics in Anthropology (3, R6)
PREQ Permission of instructor

514 Minority Groups (3)
This course is cross-listed with SOC 514

Graduate Courses
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)
565 Cultures of South Asia (3)
566 Folklore (3)
573 Contemporary Cherokee Culture and Society (3)
574 Issues in Indian Health 3
577 Cultures of sub-Saharan Africa (3)
581 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 6 Studio PREQ 131

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 6 Studio PREQ 131, 132, or permission of instructor

234 Introductory Printmaking (3)
Materials and methods of various printmaking techniques as they relate to historical and contemporary issues. 6 Studio PREQ 131, 132, or permission of instructor

241 Introductory Sculpture (3)
Principles and processes of sculpture, supported by critical thinking, class critique, historical, and contemporary references 6 Studio PREQ 131 and 142 or permission of instructor

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. 6 Studio PREQ 132

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  6 Studio  PREQ 141

333 Intermediate Painting (3, R12)
Materials, techniques, and aesthetic issues of painting in contemporary and abstract modes with focus on personal interpretation and perception  6 Studio  PREQ 233

334 Intermediate Printmaking (3, R12)
Exploration of various printmaking techniques with focus on personal interpretation and perception  6 Studio  PREQ 234

342 Intermediate Sculpture (3, R12)
Materials, techniques, and aesthetic issues of sculpture in contemporary and abstract modes with focus on personal interpretation and perception  6 Studio  PREQ 241

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  6 Studio  PREQ 251

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

367 History and Philosophy of Art Education (3)
A study of art education as influenced by educational, philosophical, and socioanthropological developments throughout history

370 Graphic Design Studio Procedures (3)
Equipment, materials, and procedures of professional graphic design Focus on creative expression and critical thinking through photomechanical and production techniques in graphic arts industry  6 Studio  COREQ 270

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  6 Studio  PREQ 270, 370, or permission of instructor

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. 6 Studio PREQ 131

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 Cherokee Arts and Crafts (3)
Present-day Cherokee skills of woodcarving, basketry, pottery making, and other arts of Cherokee culture and society. This course is cross-listed with ANTH 379. 1 Lecture, 5 Lab

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

433 Advanced Painting (3, R12)
Emphasis on the exploration of abstract or figurative modes of painting and critical thinking within a contemporary context. 6 Studio PREQ 333

434 Advanced Printmaking (3, R12)
Study of selected printing media through independent, self-directed projects under faculty supervision. 6 Studio PREQ 334

440 Advanced Drawing (3, R12)
Perceptual and conceptual drawing design problems, emphasis on a drawing project augmented by discussion, readings, and critique. 6 Studio PREQ 330

443 Advanced Sculpture (3, R12)
Emphasis on exploration of sculptural materials and critical thinking within a contemporary context. 6 Studio PREQ 342

451 Advanced Ceramics (3, R12)
Emphasis on personal direction, critiques of current work, reading in history and criticism. 6 Studio PREQ 351

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. 6 Studio PREQ 234, 359

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. Field experience required. 6 Studio PREQ 263, 365, EDSE 322, admission to the teacher education program

465 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. 6 Studio PREQ 263

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. 6 Studio PREQ 370 or permission of instructor

471 Advanced Graphic Design (3)
Emphasis on personal exploration of materials and methods related to visual communications. 6 Studio PREQ 371
472 Intermediate Photography (3, R12)
Emphasis on personal direction and advanced technical problems 6 Studio PREQ 372 or permission of instructor

474 Portfolio (3)
Professional preparation, including a portfolio of professional level work A capstone course required of all senior BFA majors 6 Studio PREQ Permission of instructor

475 Intermediate Typography (3, R6)
Emphasis on personal directions and advanced technical problems applied to typographic expression 6 Studio PREQ 132, 370, 371, 374

476 Advanced Photography (3, R12)
Emphasis on personal interpretation and advanced technical solutions to guided projects 6 Studio PREQ 472 or permission of instructor

477 Tilemaking (3, R9)
Investigation of a wide range of concepts and techniques in the field of ceramic tile 6 Studio PREQ 251

479 Motion Graphics (3, R6)
Through lectures and studio projects learn techniques and history of motion graphics, storyboard an animation, and compile professional graphics into time-based projects 6 Studio 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 6 Studio PREQ Permission of instructor

481 Independent Study in Studio Art (1-6, R12)
Individualized course of study arranged in consultation with a faculty member For advanced students in the major Studio PREQ Permission of instructor

482 Independent Study in Art History (1-6, R6)
PREQ Submitted proposal must be approved by instructor

483 Art Internship (3)
Directed work experience in a professional design studio 9 hours per week per course PREQ Permission of instructor

484 Art Internship (3)
Directed work experience in a professional design studio 9 hours per week per course PREQ Permission of instructor

485 Art Internship (3)
Directed work experience in a professional design studio 9 hours per week per course PREQ Permission of instructor

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

491 Supervised Student Teaching in Art, K-12 (3)
A full-time supervised teaching experience in Art COREQ EDSE 490, 495

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 6 Studio PREQ Permission of instructor

495 Art History Seminar (3, R6)
Detailed study of a topic in art history or criticism PREQ Permission of instructor, senior standing

Graduate Courses
531 Drawing Problems (1-9, R12)
532 Design Problems (3, R6)
635 Book Arts Studio (1-9, R15)
644 Sculpture Studio (1-9, R15)
Arts and Sciences Interdisciplinary (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. (P1)

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
593 Topics in American Studies (3, R6)
594 Topics in Cherokee Studies (3, R6)
634 Methods, Theories and Critiques in Cherokee Studies (3)
697 Cherokee Studies Research Seminar (3)

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, nebulae, galaxies, and hypothermia prevention (C5)

103 The Solar System (3)
A descriptive introduction to our solar system from a historical and evolutionary perspective (C5)

104 Cosmic Evolution (3)
A descriptive introduction to stars, galaxies, and the universe, from an evolutionary perspective (C5)

301 Modern Astronomy (3)
Techniques of measurement and research. 2 Lecture, 1 Lab. PREQ 230

Graduate Courses
601 Astronomy for Teachers (3)

Athletic Training (ATTR)

210 Clinical Anatomy & Biomechanics (4)
Biomechanics and functional anatomy, including the upper extremities, lower extremities and spine. Discussion of anatomical, kinesiologic, biomechanical and physiologic principles related to athletic training. 3 Lecture, 2 Lab. PREQ Admission to the Athletic Training major

221 Therapeutic Modalities I (1)
Designed to introduce the student to theories on pain modulation and the acute inflammatory response, as well as cryotherapy and thermotherapy therapeutic modalities. 2 Lecture, 2 Lab. (5 week course) PREQ Admission to the Athletic Training major

222 Therapeutic Modalities II (1)
Designed to introduce the student to the foundations of electrical current in rehabilitation and electrical stimulation therapeutic modalities commonly utilized in the athletic training profession. 2 Lecture, 2 Lab. (5 week course) PREQ 221

283 Clinical Education I (1)
Designed to introduce the student to the process of clinical education through involvement in an approved clinical site at WCU or an affiliate clinical site. 3 meetings. PREQ Admission to the Athletic Training major

284 Clinical Education II (1)
Designed to introduce the student to the process of clinical education through involvement in an approved clinical site at WCU or an affiliate clinical site. 3 meetings. PREQ 283

323 Therapeutic Modalities III (1)
Designed to introduce the student to theories of ultrasound, iontophoresis and diathermy as therapeutic modalities commonly utilized in athletic training. 2 Lecture, 2 Lab. (5 week course) PREQ 222

324 Therapeutic Modalities IV (1)
Designed to introduce the student to theories of therapeutic massage, intermittent compression, biofeedback and LASER as commonly utilized in athletic training. 2 Lecture, 2 Lab. (5 week course) PREQ 323

330 Clinical Measures for the Lower Extremity (2)
Completion of clinical skills needed for the evaluation of the lower extremity, including the foot, ankle, knee and hip, in the physically active population. 3 Lab. PREQ 210

340 Clinical Measures for the Upper Extremity (2)
Completion of clinical skills needed for the evaluation of the upper extremity, including the head, face, shoulder, elbow, forearm, wrist and hand in physically active population. 3 Lab. PREQ 330

350 Analysis of Dysfunction of the Lower Extremity (3)
Evaluation techniques of the lower extremity, including the foot, ankle, knee and hip, and common orthopedic conditions of the lower extremity in the physically active population. PREQ 210
360 Analysis of Dysfunction of the Upper Extremity (3)
- Evaluation techniques of the upper extremity, including the head, face, shoulder, elbow, forearm, wrist and hand, and common orthopedic conditions of the upper extremity PREQ 350

365 Physiology and Pathology (3)
- Teaches concepts of human physiology and basic pathology, involving detailed evaluation skills necessary for assessment and recognition of general medical conditions of the physically active PREQ 210

370 Evaluation and Treatment of the Spine (3)
- Evaluation techniques of the spine and pelvis, including the cervical spine, thoracic spine, lumbar spine and sacroiliac joints, and common orthopedic conditions of the trunk PREQ 360

375 Therapeutic Exercise (4)
- Designed to provide the student with programs, theories and concepts vital in therapeutic exercise, rehabilitation and reconditioning 3 Lecture, 3 Lab PREQ 350, 360

377 Strength & Conditioning (1)
- Designed to promote an understanding of the fundamental concepts of strength and conditioning, including programs, theories and concepts vital in injury prevention, rehabilitation and reconditioning PREQ 375

383 Clinical Education III (3)
- Designed to expose the student to clinical education through involvement in an approved clinical site at Western Carolina University or an affiliate clinical site 3 meetings PREQ 284

384 Clinical Education IV (3)
- Designed to expose the student to clinical education through involvement in an approved clinical site at Western Carolina University or an affiliate clinical site 3 meetings PREQ 383

410 Organization and Administration in Athletic Training (3)
- Designed to examine the various issues, policies and procedures involved with the administration of athletic training in a variety of professional settings PREQ 375

415 Professional Development in Athletic Training (3)
- Prepares students for the Board of Certification Examination and to enter the athletic training workforce or to pursue graduate education in athletic training or a related field PREQ 410 COREQ 484

450 Radiology and Diagnostic Procedures (1)
- Provides fundamental clinical knowledge of commonly utilized diagnostic imaging techniques in sports medicine PREQ 365

483 Clinical Education V (3)
- Designed to expose the student to clinical education through involvement in an approved clinical site at Western Carolina University or an affiliate clinical site 3 meetings PREQ 384

484 Clinical Education VI (8)
- Designed to expose the student to new theories, concepts and challenges through completion of a fifteen-week clinical education experience at an approved affiliate clinical site 2 meetings PREQ Permission of instructor

Biology (BIOL)

102 Human Genetics (3)
- Principles of biology relative to development of human hereditary characteristics 2 Lecture, 2 Lab (C5)

103 Environmental Biology (3)
- Principles of biology relative to ecology and modern environmental problems Ecosystems structure and function, population growth, food production, pollution, and resource use 2 Lecture, 2 Lab (C5)

104 Human Biology (3)
- The biology which underlines medical, social, and developmental issues of the human lifecycle 2 Lecture, 2 Lab (C5)
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 (C5)

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

140 Principles of Biology I (4)
Introduction to biology for majors Basic cell structure and function, bioenergetics, introduction to genetics and molecular biology 3 Lecture, 3 Lab (Lecture-4 credits, Lab-0 credit) (Lab is required) COREQ 140 lecture and 140 lab

141 Principles of Biology II (4)
Second course for biology majors A comparative introduction to structure, physiology, and evolutionary trends among organisms 3 Lecture, 3 Lab (Lecture-4 credits, Lab-0 credit) (Lab is required) PREQ 140 COREQ 141 Lecture and 141 Lab

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

192 Plant Biodiversity (3)
Southern Appalachian plant diversity as a background in botanic sciences Experience with field identification techniques and human use of plants in medicines, foods, and fiber 2 Lecture, 2 Lab

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

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

240 Introduction to Genetics (4)
Introduction to principles of genetics, including Mendelian and molecular genetics Topics include Mendelism, linkage, recombination, DNA structure and function, genomics, evolution of development, molecular evolution 3 Lecture, 3 Lab PREQ 140, 141

241 Introduction to Ecology and Evolution (4)
This course examines the interaction of organisms with their environment and each other to provide a broad overview of the fields of evolution and ecology 3 Lecture, 3 Lab PREQ 140, 141, and 240

251 Natural History of the Southern Appalachians (4)
Interdisciplinary study of this unique environment, on-site studies, scheduled pack trips 2 Lecture, 6 Lab PREQ 141

254 Dendrology (4)
Structure, distribution, identification, and economic uses of major forest trees of the United States, emphasis on regional species 2 Lecture, 4 Lab/field

291 Human Anatomy and Physiology I (4)
The skeletal, muscular, digestive, circulatory, respiratory, excretory, integrative, and reproductive systems 3 Lecture, 3 Lab PREQ Completion of 24 semester hours

292 Human Anatomy and Physiology II (4)
The skeletal, muscular, digestive, circulatory, respiratory, excretory, integrative, and reproductive systems 3 Lecture, 3 Lab

293 Human Physiology for Health Science Majors 4
Comprehensive examination of Human Physiology for Health Science majors Open only to Nutrition, Environmental Health and Clinical Laboratory Science majors 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 2 Lecture, 3 Lab PREQ 141 or permission of instructor
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. 2 Lecture, 3 Lab (Lecture-2 credits, Lab-1 credit) (Lab is required) PREQ 141 or permission of instructor COREQ 305 lecture and 305 lab

306 Evolutionary Biology (3)
Introduction to evolutionary biology, including population genetic processes, speciation, selection models, phylogeny reconstruction, and molecular evolution. History and analytical approaches will also be emphasized. PREQ 140, 141, 240, 241

311 Animal Physiology (3)
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. 2 Lecture, 3 Lab. PREQ Permission of instructor

315 Introduction to Plant Physiology (1)
Introduction to plant metabolism, conduction, development, and defense mechanisms. 1 Lecture, 1 Lab. PREQ BIOL 141 and CHEM 140

333 Cell and Molecular Biology (4)
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. 3 Lecture, 3 Lab (Lecture-3 credits, Lab-1 credit) (Lab is required) PREQ 240 or 305 or permission of instructor COREQ 333 lecture and 333 lab

334 Biotechnology and Society (3)
An exploration of the ethical and legal issues raised by recent innovations in biotechnology, emphasizing forensic genetics, human genetic engineering and agricultural biotechnology (GMOs). Cross listed with PAR 334. No credit for PAR 334 (P1)

361 Principles of Biochemistry (3)
This course is cross-listed with CHEM 361. PREQ CHEM 242

373 Invertebrate Zoology (4)
Morphology, physiology, behavior, ecology, and evolution of invertebrates. 2 Lecture, 6 Lab. PREQ 141

374 Vertebrate Zoology (4)
Morphology, physiology, behavior, ecology, and evolution of vertebrates. 3 Lecture, 3 Lab. PREQ 141 or permission of instructor

389 Cooperative Education in Biology (1 or 3, R15)
See Cooperative Education Program. PREQ Permission of Department Head

413 Principles of General Microbiology (3)
Survey of microorganisms emphasizing morphology, physiology, 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. 6 Lab COREQ 413

415 Plant Physiology (3)
Plant metabolism, effects of hormones and light on plant growth and development. Transport and translocation of water and solutes. Plant stress physiology. PREQ BIOL 141 and CHEM 140

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 240, or 304 and 305, CHEM 242 and 272, or permission of instructor

419 Cell Biology (4)
Structure, function, and techniques for the study of cells 3 Lecture, 3 Lab PREQ 240

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 304 and
305, or 240 and 241

421 Principles of Biotechnology (4)
Survey of the methods and applications used in biotechnology, including recombinant DNA
methods, genomics, and proteomics 3 Lecture, 3 Lab PREQ 333

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 2 Lecture, 6 Lab PREQ 141

434 Terrestrial Ecology (4)
Population, ecosystem, community structure, and dynamics, major North American biomes, field
and descriptive methods, required weekend field trips 3 Lecture, 3 Lab/field PREQ 241, or 304 and
305

435 Aquatic Ecology (4)
Biological, physical, and chemical components and processes in lakes and streams, field studies of
local lakes and their biota 3 Lecture, 3 Lab PREQ 241 or 304

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 241, or 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 3 Lecture,
3 Lab PREQ 141

453 Principles of Systematics (3)
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
Junior status in biology or permission of instructor

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 3 Lecture, 3 Lab PREQ 141

457 Biology of Algae (4)
Life histories, morphology, reproduction, and phylogeny of the algae 3 Lecture, 3 Lab

467 Biostatistics (3)
Statistical concepts and methods for biologists Design of experiments for computer analysis by
ANOVA, single or multiple regression, principal components 2 Lecture, 2 Lab PREQ MATH
170

470 Biology of Arthropods (4)
Functional morphology, physiology, natural history, and systematics of the arthropods, field/lab
emphasis on spiders 3 Lecture, 3 Lab PREQ 241 or 304

471 Animal Behavior (4)
Mechanisms, development, functional significance, and evolution of behavior, individual research
projects, films, and discussions in lab 3 Lecture, 3 Lab PREQ 241 or permission of instructor
473 Microbial Ecology (4)
Ecology of archaea and bacteria. Population and community detection, diversity, and roles in biogeochemical cycling using cultivation and molecular techniques. 3 Lecture, 3 Lab. PREQ: BIOL 241, or 304 and 413, or 414. COREQ: BIOL 473 Lab.

475 Animal Development (4)
Development in animals. Gametogenesis, fertilization, cleavage, gastrulation, organogenesis, embryonic adaptations, differentiation, and growth. 3 Lecture, 3 Lab. PREQ: BIOL 241, or 304 and 305.

476 Contemporary Fisheries (4)
Biological concepts and alternative management practices involved in the protection, conservation, restoration, augmentation, and cultivation of fisheries resources. 3 Lecture, 3 Lab. PREQ: BIOL 241 or 304 or permission of instructor.

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: BIOL 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
513 Principles of General Microbiology (3)
514 Methods of General Microbiology (2)
515 Plant Physiology (3)
516 Plant Molecular Biology (3)
517 Biochemistry (3)
19 Cell Biology (4)
520 Darwin’s Origin of Species (3)
225 Flora of the Southern Appalachians (4)
334 Terrestrial Ecology (4)
335 Aquatic Ecology (4)
534 Evolutionary Processes (3)
551 Biology of Fungi (4)
53 Principles of Systematics (3)
555 Vascular Plants (4)
557 Biology of Algae (4)
566 Aquaculture (1)
567 Biostatistics (3)
570 Biology of Arthropods (4)
571 Animal Behavior (4)
573 Microbial Ecology (4)
576 Contemporary Fisheries (4)
589 Cooperative Education in Biology (3, R6)
593 Advanced Studies in Biology (1-6, R12)
612 Principles of Chemical Ecology (3)
613 Molecular Biology (3)
614 Principles of Chemical Ecology Laboratory (2)
632 Biogeography (3)
672 Ichthyology (4)
693 Topics in Biology (1-6, R12)
694 Topics in Biology (1-6, R12)
697 Introduction to Graduate Studies in Biology (2)
699 Thesis Research (3, R12)
779 Continuing Research - Non-Thesis Option (1, R10)
799 Continuing Research - Thesis Option (2, R24)

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.

12 Kindergarten Curriculum (3)
Overview of methods for kindergarten curriculum for typical and atypical children in the public school environment. 2 Lecture, 2 Lab.
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.

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. Students must have a GPA of 2.5 or higher to take this course.

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. Students must have a GPA of 2.5 or higher to take this course.

463 Computer Applications for Early Childhood Professionals (3)
The advancement of basic technology and multimedia for developing an electronic content technology portfolio. Students must have a GPA of 2.5 or higher to take this course.

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 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. This course is cross-listed with EDEL and SPED 470. 2 Lecture, 3 Lab.

480 Independent Study (1-3, R6)
PREQ Permission of instructor.

483 Internship (5, R20)
Observing, planning, teaching, and evaluating young children with and without disabilities in a variety of settings. COREQ BK/EDEL/SPED 496. This course is cross-listed with EDEL and SPED 483. 5 days/week, full-time.

488 Internship II (9)
Observing, planning, teaching, and evaluating young children with and without disabilities in a variety of settings. This course is cross-listed with EDEL 488.

493 Special Topics (1-3, R6)
Current topics in birth-kindergarten development and curriculum.

496 Internship Seminar (1, R4)
The interrelationships of theory and practice in the context of experience. This course is cross-listed with EDEL and SPED 496. COREQ BK 483.

Graduate Courses
513 Literacy (3) 588 Internship/Field Experiences (3)
514 Numeracy (3) 603 Current Family Theory and Research (3)
566 Infant Development (3) 607 Action Research in Early Childhood (3)
570 Advanced Early Childhood Curriculum (3)

Broadcasting (BCST)
283 Radio Practicum (3)
Practical experiences in radio station operations at WWCU FM. Declared communication major overall GPA of 2.5.
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

354 Radio Production I (3)
Practical course in the basics of digital audio production of radio commercials and programming elements for radio broadcasting

355 Television Production I (3)
Introduction to the elements of TV broadcasting and production technology, equipment and methodology  
Minimum of 15 hours lab time per semester

383 Radio Practicum (3)
Advanced experiences in radio station operations at WWCU FM 283, overall GPA of 2.5

454 Radio Production II (3)
Advanced course in digital audio production for the radio broadcasting industry including multi-track commercial and programming element production  
PREQ 354

455 Television Production II (3)
Continuation of CMEM 355 with emphasis on production, editing, and related technical/creative skills  
Minimum of 30 hours lab time per semester required  
PREQ 355

456 Broadcast Operations (3)
Principles of operations management in radio, television, and cable at the local and network levels  
PREQ 354 and 355

457 Radio and Television Programming (3)
Techniques of programming for AM and FM radio, public and commercial television, cable and satellite operations  
354 or 355

458 Broadcast Sales and Promotion (3)
Introduction to the skills involved in marketing and selling broadcast time and promotions  
The course includes the opportunity for professional radio marketing certification  
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  
354 or 355

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

Graduate Courses

893 Current Topics in Business Administration (1-3)
893 Topics in Business Administration (3, R6)
79 Continuing Research, Non-Thesis Option (1, R10) 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)

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

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)

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 COREQ 230 or permission of instructor

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 Marketing Law (3)
A study of how law affects marketing activities and current marketing trends

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 (P4) PREQ Junior standing

315 Athletics and the Law (3)
Legal issues and litigation affecting sports PREQ Junior standing

320 International Business Law (3)
Regulation of transnational business in the global environment by individual and international organizations PREQ 230 and junior standing

325 Entertainment Law (3)
The study of the relationship between individual segments of the entertainment industry and the law

331 Contracts and Sales (3)
of contracts, sales, and Uniform Commercial Code PREQ 230 or permission of instructor

389 Cooperative Education in Business Law (1 or 3, R15)
See Cooperative Education Program

393 Topics in Business Law (1-3, R6)
PREQ 230 and junior standing or permission of department head

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 PREQ Senior standing or permission of instructor

406 Media Law (3)
Study of legal issues which affect the media defamation, privacy rights, advertising regulations, 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 of opinions, and competency of witnesses, testimonial and constitutional privileges, pretrial communications, real, scientific, and hearsay evidence
412 Business Ethics and Corporate Responsibility (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

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, senior standing 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
  PREQ: Junior standing

475 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, senior standing or permission of department head

480 Independent Research in Business Law (3)
- PREQ: Business law major, permission of department head
  Minimum GPA of 3.2 and senior standing

483 Internship in Business Law (3)
- Supervised experience in applications of previously studied theory
  S/U grading
  PREQ: Junior standing, 2.0 GPA, permission of department head
  Minimum of 10 hours per week

484 Internship in Business Law (3)
- Supervised experience in applications of previously studied theory
  S/U grading
  PREQ: Junior standing, 2.0 GPA, permission of department head
  Minimum of 10 hours per week

485 Internship in Business Law (3)
- Supervised experience in applications of previously studied theory
  S/U grading
  PREQ: Junior standing, 2.0 GPA, permission of department head
  Minimum of 10 hours per week

Graduate Courses
- 630 International Law (3)
- 640 Public Accounting Regulatory Environment (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 (C5)

132 Survey of Chemistry I (4)
- Basic chemistry, atomic structure, chemical bonding and reactions, introduction to organic chemistry, lab introduction to experimentation
  3 Lecture, 3 Lab

133 Survey of Chemistry II (4)
- Continuation of CHEM 132, surveys organic and biochemistry, including structure and nomenclature, chemical and physical properties
  3 Lecture, 2 Lab
  PREQ: 132

139 General Chemistry I (4)
- Basic chemistry, atomic structure, chemical bonding, stoichiometry, acid/base, lab introduction to experimentation
  3 Lecture, 3 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

171 Inquiries Into Chemistry (1)
- A discovery-based laboratory featuring guided inquiries into chemistry using current technologies
  3 Lab
  PREQ: 140, permission of instructor or department head
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.

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.

192 Human Gene Discovery Laboratory (3)
Introduction to techniques used in gene discovery process.

193 Chemistry in the Arts (3)
Introduction to the chemical techniques and principles involved in visual art.

194 Forensic Chemistry (3)
Introduction to the chemical techniques used in criminal investigations.

232 Quantitative Analysis (3)
Theory and practice of methods to quantitatively determine chemical compounds, including equilibria, titrations, redox reactions, and spectrophotometry. 2 Lecture, 3 Lab. PREQ CHEM 140, MATH 146 or higher.

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. 6 Lab. PREQ or COREQ 242.

321 Inorganic Chemistry (3)
Physical and chemical properties of the elements and their compounds, emphasis on chemical reactions. PREQ 140.

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. 2 Lecture, 3 Lab. (Lab is not available to chemistry majors). PREQ 133 or 241.

352 Physical Chemistry I (3)
Introduction to chemical thermodynamics and kinetics. PREQ 242, MATH 140 or 153.

361 Principles of Biochemistry (3)
Structures and properties of biomolecules, central principles of metabolism. This course is cross-listed with BIOL 361. 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. 2 Lecture, 3 Lab. PREQ 232.

371 Chemical Dynamics (2)
Measurements and data treatment of the dynamics (e.g., kinetics, thermodynamics) of chemical systems. 6 Lab. PREQ 370.

380 Research in Chemistry (2, R8)
Chemical research projects for individual students. 6 Lab. PREQ 25 GPA in major and permission of instructor.

389 Cooperative Education in Chemistry (1 or 3, R15)
See Cooperative Education Program.

411 Industrial Chemistry (3)
Processes, operations, marketing, and management in chemical manufacturing. PREQ 242, 370.
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

454 Computer Interfacing (3)
Digital logic, computer design, and interfacing with laboratory instruments This course is cross-listed with PHYS 454 2 Lecture, 3 Lab PREQ Permission of instructor

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 2 Lecture, 3 Lab PREQ 361 or permission of instructor

463 Molecular Biotechnology (3)
Overview of modern biotechnology from a molecular perspective PREQ CHEM or BIOL 361

464 Genomics (3)
Molecular aspects of cellular genomes PREQ CHEM or BIOL 361

470 Advanced Instrumental Analysis Laboratory (1)
Practical environmental, biological, and materials applications of modern chemical instrumentation
Lab PREQ 370

472 Chemical Syntheses (2)
multistep synthesis of inorganic and organic compounds 6 Lab PREQ 272

93 Topics in Chemistry (1-3, R6)
1-3 Lecture, 0-3 Lab or Seminar PREQ Junior standing and permission of department head

95 Seminar in Chemistry (1, R4)
2 Seminar

Graduate Courses

52 Instrumental Analysis II (3)
42 Advanced Organic Chemistry (3)
42 Introduction to Organic Polymers (3)
53 Physical Chemistry II (3)
54 Computer Interfacing (3)
61 Environmental Chemistry (3)
62 Molecular Bioinformatics (3)
63 Molecular Biotechnology (3)
64 Genomics (3)
70 Advanced Instrumental Analysis Laboratory (1)
589 Cooperative Education in Chemistry (3, R6)
93 Topics in Chemistry (1-3, R6)

621 Graduate Inorganic Chemistry (3)
652 Graduate Physical Chemistry (3)
691 Topics in Chemical Education (1-3, R9)
692 Topics in Inorganic Chemistry (3, R6)
693 Topics in Analytical Chemistry (3, R6)
694 Topics in Organic Chemistry (3, R6)
695 Topics in Physical Chemistry (3, R6)
696 Seminar (1, R3)
698 Research in Chemistry (3, R15)
699 Thesis (3, R9)
779 Continuing Research - Non-Thesis Option (1, R10)
799 Continuing Research - Thesis Option (2, R24)
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 locational expressions, 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)

101 Modern Chinese Language and Culture I (3)
An introduction to the study of Chinese language and culture. (P6)

102 Modern Chinese Language and Culture II (3)
An introduction to Chinese Language and Culture. (P6) PREQ 101

231 Intermediate Modern Chinese I (3)
Continued study of Chinese language and culture. (P6) PREQ 102

232 Intermediate Modern Chinese II (3)
Continued study of Chinese language and culture. (P6) PREQ 231

College Student Personnel (CSP)

530 College Student Subcultures and Student Characteristics (3)
593 Topics in College Student Personnel (1-3, R9)
605 Introduction to College Student Personnel (3)
611 Organization and Administration of College Student Personnel Services (3)
621 Theories of College Student Development (3)
630 Legal Issues for College Student Personnel (3)
683 Internship I (1-3, R6)
684 Internship II (1-3, R6)
685 Internship III (1-3, R6)
693 Topics in College Student Personnel (1-3, R9)
695 Seminar in College Student Personnel (3)

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 tools. 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.

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

253 Microcomputer Applications (3)
Hands-on experience with word processing, spreadsheet, database, presentation graphics, and the Internet. Also, hardware, e-commerce, and basic website development

293 Topics in Computer Information Systems (1-4, R4)

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 (1-3, R6)
Supervised experience using previously studied theory. S/U grading. PREQ Sophomore standing, 2.0 GPA, written application, and permission of department head. Minimum of 10 hours per week.

484 Internship in Information Systems (1-3, R6)
Supervised experience using previously studied theory. S/U grading. PREQ Sophomore standing, 2.0 GPA, written application, and permission of department head. Minimum of 10 hours per week.
485 Internship in Information Systems (1-3, R6)
Supervised experience using previously studied theory S/U grading PREQ Sophomore standing, 2.0 GPA, written application, and permission of department head Minimum of 10 hours per week

493 Topics in Information Systems (1-3, R15)
PREQ Permission of department head

Graduate Courses
605 Managerial Communication (3) 662 Database Management Systems (3)
651 Information Systems for Competitive Advantage (3) 682 Research Project in Comp Inform Systems (3, R6)
661 Systems Analysis and Development (3) 693 Topics in Information Systems (1-3, R6)

Clinical Laboratory Science (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, trouble-shooting and preventive maintenance, and blood collection and specimen handling 2 Lab

301 Analysis of Body Fluids (3)
The physiology and microscopic-chemical examination of urine, spinal fluid, semen, and gastric constituents 2 Lecture, 3 Lab

303 Hematology/Hemostasis I (3)
Formation and function of cellular components of blood, hematological procedures, and coagulation 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

306 Immunohematology (3)
The study of blood component therapy 2 Lecture, 3 Lab 303 and 304

308 Hematology/Hemostasis II (3)
Hematological states involving classification of anemias, leukemias, enzyme deficiencies, platelet anomalies, and coagulation disorders 2 Lecture, 3 Lab PREQ 303

309 Clinical Biochemistry (3)
Clinical parameters measuring the biochemical makeup of body fluids and results of lab tests related to disease states 2 Lecture, 3 Lab PREQ CHEM 361

311 Clinical Microbiology I (4)
Bacterial physiology as related to disease production, isolation and identification of organisms using current medical laboratory procedures 3 Lecture, 3 Lab

312 Clinical Microbiology II (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

315 Molecular Diagnostics (3)
An introduction to principles and applications for molecular techniques used in the clinical laboratory and in forensics 2 Lecture, 3 Lab

389 Cooperative Education in Medical Technology (1 or 3, R12)
See Cooperative Education Program PREQ HSCC 389

406 Current Issues in Clinical Laboratory Management (2)
Organization and administration of the clinical laboratory 1 Lecture, 2 Lab PREQ Senior status

480 Independent Study (1-2)
PREQ Permission of instructor
485 Clinical Practicum in Urinalysis (2)
6 Clinic  PREQ 301

486 Clinical Practicum in Hematology (3-5)
9-15 Clinic  PREQ 308

487 Clinical Practicum in Blood Banking and Serology (3-5)
9-15 Clinic  PREQ 306

488 Clinical Practicum in Microbiology (3-5)
9-15 Clinic

489 Clinical Practicum in Clinical Chemistry (3-5)
9-15 Clinic  PREQ 309

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

250 Public Communication (3)
Principles of public communication skills as related to professional speaking  PREQ CMHC 201 or equivalent and ENGL 102

296 Introduction to Professional Development (1)
Introductory professional development course for students interested in careers in the increasingly competitive communications industry

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

365 Communications Ethics and Responsibilities (3)
The legal and moral responsibilities of communicators in the communication industry  PREQ 301

389 Cooperative Education in Communications (1 or 3, R 9)
See Cooperative Education Program  PREQ Completed 60 hours and permission of department head

483 Internship in Communications (3, R9)
Work experience in the communication industry  S/U grading 9 hours per week, per 3-hour course  PREQ Completed 60 hours and permission of department head

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)

250 Basic Production Techniques 3
Introduction to use of camera, lighting, sound, and editing

286 Production Practicum I (1, R2)
Students will work on independent or departmental projects 1 Lecture, 2 Lab

351 Comparative Studies in Motion Pictures/TV (3)
Evaluative study of the motion picture and television industries from their inception to 1939, historical perspectives including techniques, government regulation and impact 3 Lecture, 2 Lab
PREQ CMCR 301 or permission of instructor

353 Storytelling for the Screen 3
Students will shoot and edit short films as they learn the basics of cinematic language PREQ 250 or permission of instructor

357 Non-linear Editing 3
Students will learn the art of editing from assembly through fine cut, sound and music editing
PREQ 353 (Storytelling for the screen) or permission of instructor

359 Elements of Motion Picture Production 3
Course examines how a motion picture is put together from script to final print Lectures plus hands-on workshops 2 Lecture, 2 Lab

365 Producing (3)
Students will learn how to produce a film project from script development, financing and legal issues through production to sales and marketing 353

386 Production Practicum II (1, R3)
Students will work on independent or departmental projects 1 Lecture, 2 Lab 286

435 Intermediate Cinematography (3)
This course covers intermediate techniques of cinematography and production lighting techniques 2 Lecture, 2 Lab PREQ 250 or permission of instructor

450 Directing for the Screen (3)
The art of directing on-screen performances PREQ 355

451 Advanced Studies in Motion Pictures and Television (3)
Advanced studies in technical analysis and sociological impact of motion pictures and television, 1940 to present PREQ 351 or permission of instructor

460 Directing the Documentary (3)
This intermediate course will teach students the theory and techniques required to direct a digitally shot and edited documentary 2 Lecture, 2 Lab PREQ 250 or permission of instructor

461 Advanced Directing (3)
Students will work in teams to write, produce and direct a narrative short building on techniques learned in CMEM 450 2 Lecture, 2 Lab CMEM 450

488 Senior Project I (1)
Students will write and prep their senior production 3 Lab

489 Senior Project II (2)
Students will shoot and complete their senior production 488

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 (C3)
300 Foundations of Oral Communication (3)
- Required of any undergraduate who receives two oral competence condition (OCC) marks

314 Advanced Professional Speaking (3)
- Advanced principles of public communication skills as related to professional speaking
  PREQ CMCR 250

410 The Rhetoric of Performance (3)
- Overview of performance studies as an aspect of the communication discipline

411 Rhetorical Theory and Criticism (3)
- Ancient and modern concepts and theories, and application to rhetorical acts
  PREQ 201

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)
- Introduction to the practical application of intercultural communication theory and skills needed to
  manage the multicultural workplace (P6)

Graduate Courses
593 Selected Topics in Human Communication (3)

Communication - Print Media (CMPM)

302 Reporting of Public Affairs (3, R6)
- Advanced reporting course on selected public affairs topics
  PREQ CMCR 301

303 Public Relations Writing (3)
- Writing persuasive messages for selected audiences in public relations
  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

401 Editing for Communication Media (3)
- Elements of critical thinking and analysis fundamental to the editorial process in communication
  media
  PREQ 301

402 Print Media Production (3)
- Layout, design, and production for print media
  PREQ CMCR 301

403 Association Communications (3)
- The development and operation of effective communications programs for nonprofit organizations
  PREQ 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 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

400 Crisis Communications (3)
Developing, following and evaluating a crisis communication plan, serving as crisis spokesperson, and communicating with the media and other publics during a crisis  PREQ CMCR 250 or permission of instructor

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, 365, CMPM 303  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 and 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 (P5)

130 Makeup (1)
Application of stage makeup

131 Introduction to Professions in Theatre (3)
Survey of theatre and related professions for beginning majors and minors 2 Lecture, 2 Lab

140 Acting I (3)
Introduction to the basic principles of acting

170 Theatre Production Seminar (1, R4)
Orientation to theatre production  Participation in creation and presentation of public performances 1 Lecture, 2 Lab  S/U Grading

220 Stage Movement (3)
Basic stage movement techniques using physicality to create realistic and effective characterizations Includes Stage Combat

231 Stagecrafts for Theatre, Motion Pictures and TV (3)
Introduction to set construction, costumes, properties, lighting, sound, technology and related crafts and related fields

240 Voice and Articulation (3)
Breath and sound production, vocal range, projection, and vowel and consonant production for standard American speech and character voices

260 Dialects (1)
The study of dialects and accents for the actor 240

270 Theatre Arts Workshops I (1-3, R6)
Practical experience  performance crews in theatre productions 3 lab per credit hour  PREQ Permission of instructor

302 Dramatic Literature and Criticism (3)
A survey of Western dramatic literature and modes of criticism from antiquity to contemporary theater

310 Black Theatre Experience (3)
The study and performance of theatre and theatrical works related to the African-American experience (P5)
330 Makeup II (1)  
Advanced makeup techniques and makeup design integrating makeup, hair, and wigs Project oriented 3 Lab PREQ 130

332 Introduction to Design for Stage and Screen (3)  
Principles and practices of design as applied to theatre, motion pictures and television Project oriented PREQ 131

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 3 lab per credit hour PREQ Permission of instructor

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)  
Origins, development of theatrical forms, and style through the study of acting, physical facilities, design, and cultural milieu, Greek period to 1700 PREQ 60 hours

401 History of the Theatre II (3)  
Origins, development of theatrical forms, and style through the study of acting, physical facilities, design, and cultural milieu, 1700 to present PREQ 60 hours

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 335

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

438 Costume and History (3)  
Survey of costume/clothing as a statement of personal identity, and as a mirror of society Ancient world through 20th century


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  9 hours per week per 3-hour course  PREQ Completed 60 hours and/or permission of department head

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
593 Selected Topics in Theatre Arts (3)
586 Theatre Production (3)

Communication Training and Development (CMTD)

312 Small Group Communication (3)
Techniques for participation in small groups, roles of group leader and participant, practice in problem-solving deliberation  PREQ  CMCR 150

313 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  CMCR 150

315 Organizational Communication (3)
Channels of oral communication in complex organizations and organizational influences on communication

416 Communication Training and Development (3)
This course provides an introduction to the theory, methods, and techniques of communication training and development  PREQ  CMCR 150, 250 and 6 hours of CMTD or CMHC courses

493 Selected Topics in Communication Training and Development (3, R9)
Study in a special interest in communication training and development

Communication Sciences and Disorders (CSD)

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

472 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 301, 370, 372 and 380, 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)
660 Psychology of the Hearing Impaired (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 Science (CS)

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

140 Problem Solving and Programming for Engineers (3)
   Problem solving, algorithm development, and program design with a focus on engineering applications Topics include variables, control structures, input/output, arrays

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 3 Lecture, 2 Lab PREQ or COREQ MATH 146 or equivalent
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 3 Lecture, 2 Lab PREQ Passing of 150 with at least a grade of C

220 Social and Ethical Issues of Computing (1)
Social and ethical issues of computing privacy, computer reliability, freedom of speech, intellectual property, and computer crime PREQ 151

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

263 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

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

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

330 Applications of Logic and Discrete Structures (3)
Applications of mathematics including logic, proof techniques, graph theory, probability, and automata theory to computer system design and software development PREQ CS 151 and MATH 153

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 362, and some programming experience

350 Computer Organization (3)
Introduction to computer arithmetic, processor organization and design, microprogramming and control unit design, memory organization, I/O organization PREQ 151 and 250

351 Data Structures and Algorithms (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 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

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 MATH 250

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 151

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 and 263
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 and 250

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

430 Information Security I (3)
Cryptography, authentication, integrity, and non-repudiation, trusted intermediaries, key distribution, and certification, access control and firewalls, attacks and counter-measures PREQ 151 and 250 COREQ 465

431 Information Security II (3)
Software reverse engineering, program security, operating systems and database systems security, security administration and audits (prevention, detection, and response), standards for information assurance PREQ 430 COREQ 370

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 and 250

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

465 Internet Protocols (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 and 250

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 I (2)
A seminar in which the student starts the capstone project and the capstone portfolio Seventy earned credit hours
496 Capstone II (2)
A seminar in which the student completes the capstone project and the capstone portfolio. PREQ 495

Graduate Courses
552 Advanced Computer Architecture (3) 565 Computer Networks (3)
555 Computer System Performance Analysis (3) 580 Artificial Intelligence (3)
560 Compiler Construction II (3) 593 Topics in Computer Science (1-6, R6)
564 Microcomputer Development (3)

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, expectations and vocabulary.

142 Construction Graphics and Plan Reading (3)
An introduction to construction graphics, sketching, 3D CADD systems and plan reading. 2 Lecture, 2 Lab. PREQ or COREQ MATH 146 or 152 or 153 and Construction Management major or permission of instructor.

211 Construction Methods and Materials I (3)
Vertical construction emphasizing comprehensive analysis of materials, design and specifications, installation methods, testing and inspection, and appropriate construction methodology for application. 2 Lecture, 2 Lab. PREQ or COREQ MATH 146 or 152 or 153 and Construction Management major or permission of instructor.

212 Construction Methods and Materials II (3)
Advanced studies on Horizontal Construction Materials, testing procedures, material properties, design, specification, and installation methods using certification standards and guidelines. 2 Lecture, 2 Lab. PREQ 211, MATH 146 or 152 or permission of instructor.

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. 2 Lecture, 2 Lab. PREQ MATH 146 or 152 or 153 and Construction Management major or permission of instructor.

231 Construction Documents and Codes (3)
Introduction to CSI specifications, construction documentation terminology, building codes, and the documentation process of construction projects. PREQ OR COREQ 121 or permission of instructor.

232 Construction Statics and Strength of Materials (3)
Study of forces and the effect of forces acting on static bodies, including the stresses and deflections or deformations from applied loads. PREQ MATH 146 or 152 or 153, PHYS 130 and construction management major or permission of instructor.

242 Estimating I (3)
Introduction to the classification of work from the plans and specifications, application of basic quantity surveying principles, and the use of estimating software. 2 Lecture, 2 Lab. PREQ 211, MATH 146 or 152 or 153 or permission of instructor.

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 211 or permission of instructor.

342 Estimating II and Bidding (3)
Pricing of materials, labor, equipment, overhead costs, and profit margins will be calculated to produce an estimate. A practice bid scenario will also be introduced. 2 Lecture, 2 Lab. PREQ 242, MATH 170.

362 Construction Planning and Scheduling (3)
A course using construction scheduling software with plans and specifications will be used in planning a construction project from start to finish. 2 Lecture, 2 Lab. PREQ 342 or permission of instructor.
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 211 or permission of instructor.

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.

401 Construction Temporary Structures (3)
Introductory course covering temporary structural supports, formwork, and concrete. Areas of concentration include steel, timber, concrete and masonry. PREQ 232 or permission of instructor.

402 Construction Financial Management (3)
Financial management of construction companies, using analysis of financial statements, budgeting, cash flow and cost code reporting. PREQ ACCT 251 and construction management major with junior standing or permission of instructor.

421 Construction Human Factors and Safety (3)
An overview of the social dynamics within a construction company between management and labor, architect and contractor, and safety issues in construction. PREQ Construction Management major with senior standing or permission of instructor.

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 Construction management major with junior 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 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. 1 Lecture, 4 Lab. PREQ 431 and construction management major with senior standing or permission of instructor.

480 Independent Study (1-3, R6)
PREQ Construction management major and permission of instructor.

483 Required Internship in Construction (2)
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.

496 Professional Development Seminar (1)
Course focuses on job search issues, job offers and counter offers, evaluating job offers, resume preparation, interview skills, and introduces community service as a life long activity. S/U grading.

Graduate Courses
- 650 Project Management Systems (6)
- 651 Research in Construction (1)
- 652 Project Plan Development (6)
- 654 Project Plan Analysis and Approval (6)

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.
150 Career and Major Exploration (1)  
Theory and practice of career, major and self-exploration

230 Introduction to Peer Tutoring (1)  
Theory, practice, and procedures in beginning tutoring, includes standards of conduct, communication skills, analytical thinking, professional ethics, and timesheet documentation  
PREQ Obtain permission from appropriate Academic Success Center Director  
COREQ Twenty-five (25) hours of actual tutoring time

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

330 Advanced Leadership and Development for Tutors (1)  
Theory, practice, and procedures in advanced peer tutoring, includes characteristics of learning styles, cultural awareness and intercultural communication, self-evaluation and reflection  
PREQ COUN 230, obtain permission from appropriate Academic Success Center Director  
COREQ Twenty-five (25) hours of actual tutoring time

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)  
602 Professional and Ethical Issues in Counseling (3)  
605 The Helping Relationship (3)  
610 Family Counseling (3)  
611 Couples Counseling (3)  
615 Multicultural Counseling (3)  
617 Substance Abuse Counseling (3)  
620 Counseling Children and Adolescents (3)  
622 Introduction to Community Counseling (3)  
624 Comm Counseling Grant Writing & Program Mgt (3)  
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)  
637 Creative and Expressive Arts 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 (3)  
665 Implementing School Counseling Program (3)  
667 DSM Effective Treatment Planning Counseling (3)  
670 Research in Counseling (3)  
677 Spirituality 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

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  
Unless indicated otherwise, this course is a prerequisite for all 300 and 400 level criminal justice courses

260 Judicial Process (3)  
The process of judicial decision making  
The institutional and political constraints on judicial behavior  
Judicial decision making as a tool of interpretation and impact
270 Introduction to Security (3)
This course will provide an overview of private security and loss prevention in light of technological advances and emerging challenges

290 Introduction to Forensic Science (3)
This course introduces the concepts and methods involved in applying scientific principles to the collection, examination, evaluation, and interpretation of evidence. For non-criminal justice majors, this course may serve as the prerequisite for CJ 315, 323, and 430 in lieu of CJ 250

300 Research Methods and Writings (3)
This is a writing intensive course that places emphasis upon the design, interpretation, and writing of criminological research

304 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

310 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

311 Juvenile Justice and Delinquency (3)
The phenomenon of juvenile delinquency, evaluation of a unique justice system for children, related concerns, problems, and expectations. PREQ 250

315 Investigative Principles (3)
This course introduces the concepts and methods of the investigative process. PREQ 250 or permission of instructor

320 Police in Society (3)
Philosophical, historical, and operational aspects of law enforcement agencies and processes within a framework of social control in a democratic society. PREQ 250

323 Crime Scene Investigations (3)
A survey of methods and techniques used in the scientific investigation of criminal offenses

330 Criminal Courts (3)
State and federal court systems, criminal judicial process, and rights of the individual. PREQ 250

340 Institutional Corrections (3)
Examination of modern corrections through review of penal history, theory, and practice. PREQ 250

345 Organized Crime (3)
Examination of traditional and emerging organized crime groups and their impact on society and the criminal justice field

351 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

354 Comparative Criminal Justice Systems (3)
Law enforcement and correctional and court subsystems in the Western world today

360 Asset Protection (3)
The role of private institutional security concerns. Physical security, loss prevention, technology, and the security profession are examined. PREQ 250

365 Cyber Crimes (3)
This course provides an overview of high technology crimes and the procedures used in the detection, investigation and prosecution of technological crimes. PREQ Permission of instructor is required for non majors

370 Ethics in Criminal Justice (3)
Examination of ethical issues in the criminal justice field. PREQ 250
406 Criminal Justice Administration (3)
The administrative aspects of criminal justice practice, including financial and human resources, public relations, and issues related to police, courts, and corrections  PREQ 250

424 Community Corrections (3)
Development, organization, operation, and results of probation and parole systems as substitutes for incarceration  PREQ 250

425 Police Practices and Problems (3)
Examination of the police role and law enforcement policy, police organization, personnel issues, management and operations, consolidating patrol services, and community and problem-oriented policing  PREQ 250

430 Evidence and Criminal Procedure (3)
This course covers the basic principles of criminal evidence and its relation to criminal procedure  PREQ 250

435 Homeland Security (3)
Overview of relevant issues relating to the problems and practices of providing “homeland security” Seminar

455 Theories of Crime (3)
Theories of law, justice, punishment, and crime causation  PREQ 250

457 Terrorism (3)
Examination of the origins, evolution, dimensions, and impacts of both domestic and international terrorism

460 Drugs and Society (3)
An examination of drugs, pharmacological classification and effects, drug abuse, the evolution of drug laws, law enforcement, and correctional responses for drug offenders  PREQ 250

462 Applied Research (3)
Lectures and assignments in applying research techniques to real world problems  PREQ 250 and 352

470 Criminal Justice Policy (3)
Overview of the processes of policy development and policy implementation as well as analyses of the role of politics, media, and bureaucracy  PREQ 250, 455

475 British Law and Society (6)
Study abroad program held within the United Kingdom Provides an extensive overview of the British criminal justice system

480 Independent Study in Criminal Justice(1-3, R6)
Directed independent study in criminal justice  PREQ Junior standing, minimum 3.0 GPA, approval of instructor

483 Internship in Criminal Justice (3-6, R12)
Supervised applications of academic study in a practical criminal justice setting  PREQ Junior standing, 2.5 GPA in major, permission of instructor, 135 internship hours are required per 3 hours credit Six hours credit given as CJ electives, an additional 6 hours may be given as general elective credit

493 Topics in Criminal Justice (3, R12)
PREQ Approval of department head

495 Senior Seminar (3)
Capstone course designed to assess the knowledge and skills of graduating seniors and to prepare them for further study or careers within the discipline  PREQ Approval of department head

Graduate Courses
593 Special Topics in Criminal Justice (1-3, R9)
600 Foundations of Justice (3)
620 Criminal Justice 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 Teachers, Schools, and Society (3)
An interdisciplinary examination of the ways in which public policy debates about schooling reflect ideological differences in American society

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

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)
602 Methods of Research (3)
603 Comparative Education (3)
604 Curriculum Development (3)
605 Foundations of Modern Education (3)
612 Principles and App of Educational Research Methods (3)
613 The Teacher Leader (3)
615 Philosophy, History, and Sociology of Education (3)
617 Methods and Practices for Learning in Content Areas (3)
689 Internship in Secondary Educ & Special Subjects (3, R9)
695 Seminar in Reflective Practice in Teaching (3)
700 Philosophy of Education (3)
702 Research Seminar in Curriculum (3)
706 Statistical Analysis in Research (3)
709 Educational Testing and Assessment (3)
711 Qualitative Research (3)
7179 Continuation Research—Non-Thesis Option (1, R10)
790 Topics in Education (1, R3)
796 Research Seminar in Curriculum & Instruction (3)
799 Continuation Research—Thesis Option (2, R24)
800 Issues in Rural Education (3)
801 Mega Theory Res Review and Applications (3)
802 Program Evaluation for Educational Leaders (3)
805 Advanced Studies in the Foundations of Educ (3)
806 Advanced Research Methods (3)
807 Cognitive Issues in Curriculum and Instruction (3)
808 Advanced Studies in Teaching Methods (3)
809 Current Literature in the Leadership of Curriculum (3)
811 Curriculum Theory (3)
895 Doctoral Research Seminar (3)

Dance (DA)

253 Social/Ballroom Dance (1)
Basic steps involved in popular social and ballroom dances 2 Lab

255 Tap (1, R3)
Beginning tap rhythms with emphasis on vocabulary and execution 2 Lab

257 Dance Performance (1)
Student involvement in a departmentally sponsored production S/U grading PREQ Permission of instructor

258 Dance Techniques (2, R6)
Foundation techniques of basic movement with strong emphasis on dance terminology, barre and floor work 2 Lab

259 Dance Appreciation (3)
Survey of the history of Western concert dance with an emphasis on the cultural, political, and social influences that shape our view of the medium (P5)

260 Anatomy for Dance (1)
Anatomy/biomechanics as it applies to dance techniques culminating in an individualized conditioning program to improve muscular/cardiovascular strength and range of motion/flexibility

261 Ballet I (2, R4)
Intermediate ballet technique PREQ 258 or permission of instructor
262 Modern I (2, R4)
Intermediate modern dance technique Lab PREQ 258 or permission of instructor

263 Musical Theatre Styles (2, R4)
Survey of historical trends in American Musical Theater through choreography 1 Lecture, 3 Lab PREQ 255, 256, 258 or permission of instructor

264 Jazz (2, R4)
Techniques and style involved in jazz dance 2 Lab PREQ 258 or permission of instructor

301 Dance Choreography (2)
Applications of dance technique in creative composition Involves various types of dance 2 Lecture, 1 Lab PREQ PE 258

302 Choreography Production (2)
The development, presentation, and evaluation of choreographic projects designed by individual students These may include theatrical, school, and community involvement 2 Lecture, 1 Lab PREQ 301

303 Ballet II (2, R4)
Intermediate/advanced ballet technique Progressive and continuous perfecting of more advanced skills in ballet technique Lab PREQ 261

304 Modern II (2, R4)
Intermediate/advanced modern dance technique Lab PREQ 262

305 Jazz II (2, R4)
Intermediate/advanced jazz technique Lab PREQ 256, 261, 262 or permission of instructor

306 Tap II (1)
Intermediate/advanced tap rhythms Progressive and continuous perfecting of the tap dance technique PREQ 255 or permission of instructor Lab

307 Teaching Methods for Dance (2)
Explores the preparation and execution of a dance technique class Will include curriculum design, teaching assignments and documentation of student assessment PREQ 303, 304, or 305 and 260

Earth Science (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)
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 Intermediate Microeconomics and Applications (3)
The price mechanism and allocation of resources under competition, monopoly, and imperfect competition, applications to decision making PREQ 231, MGT 235

303 Money, Financial Markets, and Economic Policy (3)
Financial institutions, monetary policy, central banking and nongovernmental organizations, money and capital markets PREQ 232, 302

304 Econometrics (3)
Evaluation of business indicators, techniques for analyzing current business conditions and forecasting changes in levels of national economic activity PREQ 232, 302
<table>
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<tr>
<th>Course Code</th>
<th>Title</th>
<th>Description</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>305</td>
<td>Public Finance (3)</td>
<td>Governmental expenditures, sources of revenue, public credit, principles, and methods of taxation and financial administration, fiscal policy</td>
<td>PREQ 232, 302</td>
</tr>
<tr>
<td>307</td>
<td>Regional Economic Analysis (3)</td>
<td>Regional structure and growth, location theory, interregional income theory, factory mobility, public policy for regional development</td>
<td>PREQ 231, 232, MGT 235</td>
</tr>
<tr>
<td>310</td>
<td>Natural Resource Economics (3)</td>
<td>Economic policy regarding renewable and nonrenewable resources, environmental and energy economics</td>
<td>PREQ 231</td>
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<tr>
<td>389</td>
<td>Cooperative Education in Economics (1 or 3, R15)</td>
<td>See Cooperative Education Program</td>
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<tr>
<td>403</td>
<td>Development of Economic Ideas (3)</td>
<td>Ideas of the great economists, great debates in economics</td>
<td>PREQ 232, 302</td>
</tr>
<tr>
<td>404</td>
<td>Introductory Mathematical Economics (3)</td>
<td>Functions, graphs, calculus, and systems of equations applied to economic analysis</td>
<td>PREQ 232, 302</td>
</tr>
<tr>
<td>406</td>
<td>International Economic Development (3)</td>
<td>Institutional forces shaping economic development, developed and less-developed nations compared, population growth, capital formation, educational improvement</td>
<td>PREQ 231, 232</td>
</tr>
<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 232, 302</td>
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<tr>
<td>480</td>
<td>Independent Research (3)</td>
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<tr>
<td>483</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>484</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>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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**Graduate Courses**

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<tr>
<th>Course Code</th>
<th>Title</th>
<th>Description</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>607</td>
<td>Managerial Economics (3)</td>
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<tr>
<td>608</td>
<td>Business and Managerial Forecasting (3)</td>
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<tr>
<td>609</td>
<td>International Economics (3)</td>
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**Educational Leadership (EDL)**

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<tr>
<th>Course Code</th>
<th>Title</th>
<th>Description</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>611</td>
<td>Managing Educational Organizations (3)</td>
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<td>612</td>
<td>School-based Curriculum and Instruction Leadership (3)</td>
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<td>615</td>
<td>International School Leadership (3)</td>
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<td>620</td>
<td>Legal and Ethical Foundations of Public Education (3)</td>
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<td>625</td>
<td>Introduction to School Leadership (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>685</td>
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730 School Finance and Business Management (3) 895 Advanced Seminar in Instructional Leadership (3)
731 Policy Development and Analysis (3) 896 Seminar in School Law (3)
732 Leadership in the Integration of Educational Tech (3) 898 Doctoral Seminar in Educational Leadership (3)
740 School Plant Planning and Management (2) 899 Dissertation in School Leadership (3, R12)
750 Educational Human Resource Management (3)

Education and Psychology (EDPY)

493 Topics in Education and Psychology (1-3, R6)

Graduate Courses
591 Topics in Education and Psychology (1, R3) 692 Topics in Education and Psychology (2, R6)
592 Topics in Education and Psychology (2, R6) 693 Topics in Education and Psychology (3, R6)
593 Topics in Education and Psychology (3, R6) 793 Selected Topics in Education and Psychology (3, R12)
691 Topics in Education and Psychology (1, R3)

Educational Supervision (EDSU)

Graduate Courses
605 Principles of Supervision (3) 635 Supervision of the Novice Teacher (3)
615 Techniques of Supervision (3) 680 Problems in Supervision (1, R3)
620 School-Based Instructional Leadership (3) 685 Internship in Supervision (2)
630 School Improvement (3) 693 Topics in Supervision (1, R3)
691 Topics in Supervision (1, R3)

Electrical and Computer Engineering Technology (ECET)

211 Electronic Drafting and Fabrication (3)
Electronics drafting and graphics, design, assembly and fabrication of electronic circuits and equipment 2 Lecture, 2 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 2 Lecture, 2 Recitation, 2 Lab COREQ MATH 146

242 Electronic Circuits (4)
Study of analog electronic circuits including amplifiers, regulators, and special applications Both discrete semiconductor devices and integrated circuits are covered (2 Lecture, 2 Lab, 2 Recitation) PREQ 231

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 Electrical Systems (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 2 Lecture, 2 Lab PREQ MATH 144 or 145

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 2 Lecture, 2 Lab PREQ 301 or permission of instructor

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 2 Lecture, 2 Lab, 2 Recitation, PREQ 231

331 Digital Integrated Circuits (4)
Study of combinational and sequential digital circuits using integrated circuit techniques 2 Lecture, 2 Lab, 2 Recitation, PREQ 231

332 Microcontrollers (4)
Study of contemporary 8-bit microcontrollers Microcontroller architecture, programming, and interfacing 3 Lecture, 2 Lab, PREQ 331
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 3 Lecture, 2 Lab PREQ 331 and CS 301

452 Control Systems (4)
Fundamental principles of control theory and instrumentation with particular applications in manufacturing processes 3 Lecture, 2 Lab PREQ 341

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 Lecture, 2 Lab PREQ 341 2

464 Instrumentation (4)
Data acquisition using virtual instruments Sensors, transducers, and signal conditioning used in the measurement of physical parameters 3 Lecture, 2 Lab PREQ 332

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 1 Lecture, 4 Lab PREQ or COREQ 478

493 Special Topics (1-3, R6)
PREQ Permission of instructor

Electrical Engineering (EE)

200 Computer Utilization in C++ (3)
An introduction to the use of computers and computing methods to solve engineering problems Structure and object oriented programming design using C++

201 Network Theory I (3)
Direct current circuit analysis, Ohm’s law, Kirchhoff’s laws, nodal and mesh analysis, Thevenin’s theorem, source transformation, maximum power transfer, R-L, R-C and RLC transient circuit analysis

202 Network Theory II (3)
Alternating current circuit analysis, phasors, Kirchoff’s laws, single-phase and 3-phase circuits, resonant circuits, filter networks, Laplace transforms, Fourier series, Fourier transforms and Fourier analysis techniques PREQ 201

211 Logic and Networks Laboratory (1)
Network measurements and applications, experimental logic design, introduction to laboratory equipment and techniques COREQ 201 and 221 or permission of program director

212 Instrumentation and Networks Laboratory (1)
Network measurements and applications, experimental logic design, introduction to laboratory equipment and techniques PREQ 201 or permission of program director

221 Logic Systems Design I (3)
Introduction to Boolean algebra, mixed logic, design of combinational circuits, introduction to sequential systems, MSI building blocks, includes laboratory design projects COREQ 211 or permission of program director

222 Electrical Engineering Design I (2)
Introduction to conceptual design, circuit design, parameter sensitivity analysis, cost performance tradeoff analysis and interconnection compatibility design, written technical report and oral presentation PREQ 201, 211, 221, COREQ 202, 212
311 Systems and Electronics Laboratory (1)
Systems and signals measurements and applications, electronics circuits
PREQ 202, 212
COREQ 351, 331 or permission of program director

312 Electromagnetic and Electronic Devices Laboratory (1)
Measurements and applications of electromagnetic and solid state devices
PREQ 311 COREQ 322 or permission of program director

321 Electromagnetic Fields (3)
Electric and magnetic fields using vector formulation Vector Analysis, Stoke's Theorem, Electrostatics, Coulomb's law, Laplace and Poisson's equations, Magnetostatics vector potentials, Lorentz force, Faraday's law
PREQ 202

322 Electromagnetic Devices (3)
Operation and basic design features of electromechanical energy converters Transformers and electrical machines Generation of induced voltages Electromechanical torque development Speed control Circuit models, machine performance
PREQ 321

331 Fundamentals of Electronics and Semiconductors (3)
Theory and application of semiconductor devices Ideal operational amplifier applications, diode and its applications, bipolar transistors and MOSFETs with applications, dc biasing and small-signal analysis
PREQ 201

332 Electronics (3)
Low and high-frequency analysis of transistor amplifiers Biasing of Integrated Circuits Multistage and feedback amplifier design Stability and oscillation Operational amplifier design and applications
PREQ 331

341 Electrical Engineering Design II (2)
Application of conceptual design, circuit design, parameter sensitivity analysis, cost performance tradeoff analysis and interconnection compatibility design Written technical report and oral presentation
PREQ 202, 212, 222 COREQ 311, 331

342 Solid State Electronic Devices (3)
Theory and applications of semiconductor devices Diode characteristics and applications Transistor fundamentals D C biasing and stabilization Small-signal analysis Field-effect transistors Operational amplifier fundamentals
PREQ 331, PHYS 310

351 Systems Analysis I (3)
Complex variables, continuous-time systems, LTI systems, Fourier transforms, Laplace transforms, representation of systems using differential equations
PREQ 201

401 Senior Design I (2)
A project-oriented course stressing the planning and design of experiments to support the student's project Formation of the design problem and specifications
PREQ 211, 212, 311, 312, 331, 351 and senior standing in EE

402 Senior Design II (2)
A continuation of EE 401 consisting of project development and analysis, culminating in a written and oral presentation
PREQ 401

411 Analog and Digital Communication (3)
Analysis and transmission of signals including analog communication (amplitude and frequency modulation), digital communications (Pulse code modulation, data transmission, phase-shift keying, frequency-shift keying)
PREQ 351

412 Electrical Engineering Professional Practice (2)
Engineering ethics, safety and liability in the manufacturing workplace, product design, development, planning, cost estimating for non-recurring engineering work, Total Quality Management, effective technical presentation
PREQ Senior standing in EE

Elementary Education (EDEL)
130 Introduction to Teaching (3)
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
311 Kindergarten and Primary Curriculum (2)
Methods, materials, and curriculum for children from kindergarten through grade 2. A field experience component is required in this course. 
PREQ: Admission to the professional education sequence. COREQ 390

312 Elementary School/Methods and Curriculum (2)
Methods, materials, and curriculum for children in grades 3 through 6. EDCI 231 with a grade of C or better.

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.

418 Mathematics Methods Grades K-3 (3)
The development of mathematical concepts, programs, methods, and materials for grades K-3.
PREQ: EDCI 231 with a grade of C or better. COREQ: MATH 230 or MATH 231.

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.

470 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. This course is cross-listed with BK and SPED 470. 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 Internship (5, R20)
Observing, planning, teaching, and evaluating young children with and without disabilities in a variety of settings. This course is cross-listed with BK and SPED 483. 5 days/week, full-time. 
COREQ: BK/EDEL/SPED 496.

488 Internship II (9)
Observing, planning, teaching, and evaluating young children with and without disabilities in a variety of settings. This course is cross-listed with BK 488.

490 Supervised Student Teaching (9)
A full-time internship under university supervision. COREQ: 476, 495.

496 Internship Seminar (1, R4)
The interrelationships of theory and practice in the context of experience. This course is cross-listed with BK and SPED 496. COREQ: BK 483.

Graduate Courses
- 566 Computers in Education (3)
- 567 Adolescent Literature (3)
- 580 Independent Study (3)
- 593 Topics in Elementary Education (3)
- 601 Elementary School Curriculum (3)
- 603 Elementary Science Curriculum (3)
- 604 Elementary Social Studies Curriculum (3)
- 605 Elementary Math Curriculum (3)
- 606 Elementary Language Arts Curriculum (3)
- 607 Mathematical Problem Solving in Middle School (3)
- 608 Diagnosis and Remediation in Middle School Math (3)
- 510 Distance Education (3)

- 614 Issues and Trends in Elementary Education (2)
- 653 Advanced Children's Literature (3)
- 666 Projects in Educational Computing (3)
- 675 Workshop in Elementary Education (3)
- 680 Independent Study (1-3, R6)
- 695 Research Seminar in Elementary Education I (2)
- 696 Research Seminar in Elementary Education II (2)
- 701 Seminar in Elementary School Curriculum (3)
- 779 Continuing Research—Non-Thesis Option (1, R10)
- 782 Research in Elementary Education (3)
- 796 Adv Research Seminar in Elem Education II (3)
- 798 Adv Research Seminar in Middle Grades Edu II (3)

Elementary and Middle Grades Education (ELMG)

- 390 Practicum I (1-2)
Supervised observation and participation in a public school classroom. One day per week. PREQ: Admission to professional education sequence and permission of instructor.
415 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

416 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

417 Elementary/Middle Grades Social Studies (3)
Methods, materials, and strategies for teaching social studies in grades K-9
PREQ EDCI 231 with
a grade of C or better

419 Mathematics Methods Grades 4-9 (3)
The development of mathematical concepts program, methods, and materials for grades 4-
9
PREQ Admission to the professional education sequence (EDEL 418 is a prerequisite for
elementary education majors)

466 Computers in Education (3)
The use of computers in school settings, emphasis on instructional applications, issues, and
trends

484 Supervised Internship I (3)
A part-time internship under university supervision with seminar
COREQ 415, 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

495 Seminar for Student Teachers (3)
Theory related to practice during student teaching
COREQ 485

Graduate Courses
515 Language Arts Methods (3)
516 Science Methods (3)
517 Social Studies Methods (3)
519 Mathematics Methods for Grades 4-9 (3)
566 Computers in Education (3)
580 Independent Study (3)
593 Topics in Elementary and Middle Grades Education (3)
603 Elementary and Middle Grades Science Curriculum (3)
604 Elementary and Middle Grades Social Studies Curriculum (3)
605 Elementary and Middle Grades Mathematics Curriculum (3)
606 Elementary and Middle Grades Language Arts Curriculum (3)
607 Mathematical Problem Solving in Elementary/Middle School (3)
608 Diagnosis and Remediation in Elementary/Middle School Math (3)
610 Distance Education (3)
666 Projects in Educational Computing (3)
675 Workshop in Elementary and Middle Grades Education (3)
680 Independent Study (1-3, R6)

Emergency Medical Care (EMC)

340 Introduction to Clinical Medicine (3)
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
COREQ 340 Lab (Lab is required)

340 Introduction to Clinical Medicine Lab (1)
PREQ EMC major or permission of program director
COREQ EMC 340 lecture

350 Cardiology (2)
Pathophysiology, assessment, and treatment of cardiac emergencies
2 Lecture, 1 Lab
PREQ 340,
351, or permission of instructor

351 Basic ECG Interpretation (1)
ECG interpretation in the monitoring leads
PREQ EMC major or permission of instructor
COREQ EMC 351-30 Basic ECG Interpretation Lab
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
  2 Lecture
  PREQ 340, HSCC 370
  COREQ 361

361 Advanced Emergency Medical Techniques (1)
- Traditional techniques of intravenous and respiratory therapy, introduction to new techniques
  3 Lab
  PREQ 340, HSCC 370
  COREQ 361

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 (2)
- Assessment and management of traumatic emergencies, including patient access, stabilization, and transport, radio communications and use of ALS protocols
  PREQ EMC major or permission of program director

410 Trauma Management Laboratory (1)
- PREQ EMC major or permission of program director
  COREQ EMC 410 Lecture

420 Maternal and Child Emergency Care (3)
- Obstetrical, gynecological, and pediatric emergencies
  2 Lecture, 1 Lab
  PREQ 340 and HSCC 370 or permission of program director

430 Special Needs Patients (1)
- 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

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
  2 Lab
  PREQ EMC majors only

461 Simulation Laboratory (1-3)
- Application of Emergency Assessment and medical management skills using a human patient simulator
  2-6 Lab

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
  12 Lab hours
  PREQ 350, 360, 370

484 Clinical Practicum III (2)
- Advanced clinical rotations in a hospital setting
  8 Lab
  PREQ 420, 483

485 MICU Practicum (1-3)
- Supervised field experience on mobile intensive care units
  9 Lab
  PREQ 410, 420, 483

487 Advanced MICU Practicum (2, R8)
- Supervised field experience on mobile intensive care units to review, update, and maintain skills
  8 Field
  PREQ 485 or current paramedic certification, permission of program director
488 EMC Management Internship (2, R4)
Supervised management experience with an approved emergency medical service provider or regulator 5 weeks, full time. PREQ: EMC major and permission of program director.

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. 2 Seminar. PREQ: Senior EMC major.

Emergency Management (EMGT)

250 Introduction to Emergency Management (3)
Overview of emergency management. Topics include major concepts, theory and history, terminology, and the roles, functions, and inter-relationships of key agencies and organizations involved in this field.

322 Social Dimensions of a Disaster (3)
An exploration of the social implications of a disaster, including its effects on victims, their families, first responders, the community, businesses, the economy, and special populations.

324 Emergency Preparedness (3)
Introduction to the multiple facets of emergency preparedness.

326 Risk Assessment and Hazard Mitigation (3)
Introduction to concepts and principles of risk assessment and hazard mitigation.

332 Disaster Response Operations and Management (3)
An overview of the response phase of the disaster management cycle, during which resources are marshaled, deployed, and managed.

340 Political and Policy Basis of Emergency Management (3)
An exploration of the political dynamics of American emergency management.

351 Resource Management (3)
Identification, coordination, and effective utilization of government, private, and not-for-profit resources by emergency responders.

448 Emergency Exercise Design and Evaluation (3)
Design, development, and assessment of simulated exercises to evaluate and improve emergency readiness and response capabilities.

452 Legal Issues in Emergency Management (3)
Overview of relevant federal and state statutes relating to emergency management and applicable legal concepts.

460 Case Studies in Emergency Management (3)
In-depth examination of specific public crises and disasters.

480 Independent Study in Emergency Management (1-3, R6)
PREQ: Permission of instructor. Only three hours may be applied toward the major requirements.

483 Internship in Emergency Management (3-12, R12)
Supervised application of academic study in a practical emergency management setting. PREQ: Junior standing, permission of instructor, 250, 324, 326, and 331, and a 2.25 minimum GPA. 135 hours per 3 credits. Additional credit hours beyond 6 will be applied to general electives.

493 Topics in Emergency Management (1-3, R12)
PREQ: Permission of EMGT Program Director.

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.

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 mechanical 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.

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.

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 locations—such as Appalachia, South, West—or pairing of related places, such as urban-suburban (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 (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 (P4).

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 (P4).

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 (Closed to freshmen 0-24 hours).

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 (Closed to freshmen 0-24 hours).

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 (Closed to freshmen 0-24 hours).

261 Survey of American Literature I (3)
A survey of American literature from the beginnings through the Romantics (Closed to freshmen 0-24 hours).

262 Survey of American Literature II (3)
A survey of American literature from the early Realists to the present (Closed to freshmen 0-24 hours).

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 (Closed to freshmen 0-24 hours).
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 (P4)

300 Foundation Composition (3)
Intensive practice of composition in all its aspects from invention to final polish Required of undergraduates who receive two Composition Condition marks

302 Introduction to Creative Writing and Editing 3
Career opportunities and practices in creative writing genres, editing and preparation of creative manuscripts for publication (Closed to freshmen 0-24 hours)

303 Introduction to Professional Writing and Editing (3)
Career opportunities, practices and skills in professional writing, editing, and conventional and electronic publication (Closed to freshmen 0-24 hours)

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 (Closed to freshmen 0-24 hours)

305 Technical Writing (3)
Writing and editing technical manuals and reports, layout and production of technical documents with practice in computer applications (Closed to freshmen 0-24 hours)

306 Nonfiction Writing (3)
Writing and editing nonfiction for academic and commercial publications, specialized audience analysis, preparation of manuscripts for presentation at professional conferences (Closed to freshmen 0-24 hours)

307 Professional Editing and Publishing (3)
Advanced practicum in student’s chosen area in professional writing, editing practices and production, copyright and libel law (Closed to freshmen 0-24 hours) 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 (Closed to freshmen 0-24 hours)

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 (Closed to freshmen 0-24 hours)

310 Introduction to Screenwriting (3)
Introduction to writing teleplays and screenplays, preparation of original manuscripts for agents and production (Closed to freshmen 0-24 hours) 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 (Closed to freshmen 0-24 hours)

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 (Closed to freshmen 0-24 hours)

319 The Teaching of Grammar (3)
Strategies for and application of the concepts of grammar and language in the teaching of English (Closed to freshmen 0-24 hours) PREQ 312

320 Adapting the Short Story (3)
Students will each choose a short story and then write a screen adaptation PREQ 310 or permission of instructor

321 Scene Writing (3)
A concentrated seminar/workshop in writing scenes for the screen 310 or permission of instructor
331 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 (Closed to freshmen 0-24 hours)

333 Introduction to Shakespeare (3)
General survey of Shakespeare's life, times, and most popular plays (Literature majors should take 431, Shakespeare and His Age) (Closed to freshmen 0-24 hours) (P4)

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 (Closed to freshmen 0-24 hours) (P4) PREQ 101 and 102

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 (Closed to freshmen 0-24 hours) (P4) PREQ 101 and 102

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 (Closed to freshmen 0-24 hours) (P4) PREQ 101 and 102

353 Stories Retold (3)
This course focuses on novels, plays, poems, and films that are contemporary retellings of canonical works. Narratives are retold from the perspectives of marginalized characters (P4)

364 Southern Literature (3)
A survey of the literature of the South from its beginnings to the present with particular emphasis on cultural and historical themes of the region (Closed to freshmen 0-24 hours) (P4)

365 African-American Writings (3)
A survey of writings by African-American authors, from the earliest slave narratives through contemporary fiction and nonfiction (Closed to freshmen 0-24 hours)

366 Literature of American Immigration (3)
Examines the literature by and about US immigrants or their descendents (Closed to freshmen 0-24 hours) (P6)

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 (Closed to freshmen 0-24 hours) (P4) PREQ 101 and 102

368 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 (P4)

370 The Short Story (3)
History and development of the short story in Western literature (Closed to freshmen 0-24 hours)

378 Motion Picture Histories (3)
An examination of key periods in the history of film and television which are important to their development as artistic and cultural phenomena in the twentieth century (Closed to freshmen 0-24 hours) PREQ 278

389 Cooperative Education: Professional Writing (1 or 3, R15)
See Cooperative Education Program (Closed to freshmen 0-24 hours) (P4) PREQ 303

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 (Closed to freshmen 0-24 hours) (P4) PREQ 101 and 102
394 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 Closed to freshmen 0-24 hours  PREQ 278

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 Closed to freshmen 0-24 hours

405 Advanced Creative Writing (3)
Intensive study and practice of creative writing, emphasis on required individual projects Closed to freshmen 0-24 hours  PREQ Satisfactory writing sample and permission of instructor

406 Screenwriting II (3)
Outline a complete feature-length screenplay and write the first act of that screenplay Closed to freshmen 0-24 hours  PREQ 310

407 Screenwriting III (3)
Complete and rewrite the screenplay begun in English 406 Closed to freshmen 0-24 hours  PREQ 406 and permission of instructor

411 History of the English Language (3)
Origins and development of the English language from the beginnings to the present Closed to freshmen 0-24 hours

412 Grammar for Writers (3)
The grammar and editorial practices of standard American English For students who wish to explore careers in writing (Closed to freshmen 0-24 hours)

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 (Closed to freshmen 0-24 hours)

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 (Closed to freshmen 0-24 hours)

416 Teaching English as a Second Language (3)
Current trends/strategies in teaching English to nonnative speakers Aspects of American culture that affect language learning (Closed to freshmen 0-24 hours)

417 Methods for Teaching English (3)
Methods, materials, curriculum, and trends in teaching in the secondary schools (Closed to freshmen 0-24 hours)  PREQ EDSE 322, 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 (Closed to freshmen 0-24 hours)

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 (Closed to freshmen 0-24 hours)

430 English Literature of the Renaissance (3)
Representative Tudor and Jacobean prose and nondramatic poetry (Closed to freshmen 0-24 hours)

431 Shakespeare and His Age (3)
(Closed to freshmen 0-24 hours)

440 Milton and His Age (3)
Milton’s major poems, selections from his prose, readings from works of contemporaries (Closed to freshmen 0-24 hours)

441 The Age of Pope, Swift, and Johnson (3)
Selections from the works of Pope, Swift, Johnson, and their contemporaries (Closed to freshmen 0-24 hours)
Major American and British Writers (3, R9)
Selected works of one or more important authors from a single historic period (Closed to freshmen 0-24 hours)

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 (Closed to freshmen 0-24 hours)

The English Novel (3)
Selected eighteen- and nineteenth-century novels of such writers as Defoe, Richardson, Fielding, Smollet, Austen, Scott, Dickens, Thackeray, and Hardy (Closed to freshmen 0-24 hours)

American Literature Since (1)945 (3)
Post-World War II American literature and its influences from other nationalities, especially those of Latin America and Canada (Closed to freshmen 0-24 hours)

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 (Closed to freshmen 0-24 hours)

Directors/Screenwriters/Stars 3, R6
Focus on specific director, screenwriter, or celebrity important to the development of film and television as artistic and cultural phenomena in the twentieth century PREQ 278

Twentieth-Century and Contemporary Postcolonial Literature (3)
Literature and film by authors from formerly colonized areas such as Africa, India, Australia, New Zealand, and the Caribbean that share English as literary language (Closed to freshmen 0-24 hours)

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 (Closed to freshmen 0-24 hours)

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 (Closed to freshmen 0-24 hours)

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 (Closed to freshmen 0-24 hours)

The American Novel (3)
Selected novels of major American writers (Closed to freshmen 0-24 hours)

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 (Closed to freshmen 0-24 hours)

Film Theory (3)
A focused study of classical and contemporary film theory and debates, such as montage, apparatus theory, historiography, realism, and the gaze (Closed to freshmen 0-24 hours)

Studies in Literature (3, R6)
Topics vary (Closed to freshmen 0-24 hours)

Studies in English (1-3, R6)
Independent study/directed research in English (Closed to freshmen 0-24 hours) PREQ Permission of instructor and department head

Writing Internship (3)
Practical experience in a writing-related setting S/U grading 9 hours per week per course (Closed to freshmen 0-24 hours) PREQ 303
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<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Description and Requirements</th>
<th>PREREQUISITES</th>
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<td>384</td>
<td>Writing Internship (3)</td>
<td>Practical experience in a writing-related setting; S/U grading; 9 hours per week per course; (Closed to freshmen 0-24 hours)</td>
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<td>385</td>
<td>Writing Internship (3)</td>
<td>Practical experience in a writing-related setting; S/U grading; 9 hours per week per course; (Closed to freshmen 0-24 hours)</td>
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<tr>
<td>491</td>
<td>Supervised Student Teaching in English, 9-12 (3)</td>
<td>A full-time supervised teaching experience in English; (Closed to freshmen 0-24 hours); COREQ EDSE 490, 495</td>
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<td>493</td>
<td>Topics in Creative Writing (1-3, R6)</td>
<td>Study and practice of writing in a special area; e.g., the novel, drama, science fiction, juvenile literature; (Closed to freshmen 0-24 hours)</td>
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<td>494</td>
<td>Special Topics in Advanced American English for Non-Native Speakers (1, R6)</td>
<td>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); (Closed to freshmen 0-24 hours); Credit not applicable toward hours for graduation</td>
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<tr>
<td>496</td>
<td>Seminar in Comparative Literature (3)</td>
<td>World literature in translation; (Closed to freshmen 0-24 hours)</td>
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**Graduate Courses**

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<td>Writing for Careers (3)</td>
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<td>514</td>
<td>Fundamentals of Teaching Composition (3)</td>
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<td>515</td>
<td>Linguistics (3)</td>
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<td>516</td>
<td>Teaching English as a Second Language (3)</td>
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<td>517</td>
<td>Methods of Teaching Literature (3)</td>
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<td>550</td>
<td>Major British Writers (3, R9)</td>
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<td>564</td>
<td>Native American Literature (3)</td>
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<td>571</td>
<td>Modern Poetry (3)</td>
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<td>572</td>
<td>Modern Fiction (3)</td>
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<td>573</td>
<td>Modern Drama (3)</td>
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<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 (3)</td>
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<td>Gender Studies (3)</td>
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<td>African-American Literature (3)</td>
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<td>Writing for the Marketplace (3)</td>
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<td>Writing for Electronic Environments (3)</td>
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<td>Technical Writing for Bus and Industry (3)</td>
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<td>Nonfiction Writing (3)</td>
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<td>Breaking into Publishing (3)</td>
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<td>Fiction Writing (3)</td>
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<td>Poetry Writing (3)</td>
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<td>History of Rhetoric (3)</td>
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<td>Mountain Area Writing Project (6)</td>
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<td>The Mountain Area Writing Project (3)</td>
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<td>Linguistic Perspectives (3)</td>
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<td>Foundations of ESL and Language (3)</td>
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<td>English, Grammars (3)</td>
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<td>Chaucer (3)</td>
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<td>Medieval Language and Literature (3)</td>
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<td>Anglo-Saxon Language and Literature (3)</td>
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<td>Applied Phonetics and Pronunciation Teaching (3)</td>
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<td>ESL Methodology Listening and Speaking (3)</td>
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<td>Renaissance Literature (3)</td>
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<td>Teaching Grammar, Reading and Writing to ESL Students (3)</td>
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<td>Milton (3)</td>
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<td>Seventeenth-Century Poetry and Prose (3)</td>
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<td>Literature of the Enlightenment (3)</td>
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<td>Second Language Acquisition and TESOL Methodology (3)</td>
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<td>Romantic Literature (3)</td>
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<td>Victorian Literature (3)</td>
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<td>Nineteenth-Century British Fiction (3)</td>
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<td>Professional Development of the ESL Teacher (3)</td>
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<td>Early American Literature through Romanticism (3)</td>
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<td>American Realism through Modernism (3)</td>
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<td>American Post-Modern Literature (3)</td>
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<td>Early Twentieth-Century British Literature (3)</td>
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<td>Pre-Twentieth-Century Criticism and Theory (3)</td>
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<td>Thesis Research (3, R12)</td>
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<td>Continuing Research—Non-Thesis Option (1, R10)</td>
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<td>Continuing Research—Thesis Option (2, R24)</td>
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199 Introduction to Engineering Practices and Principles I (3)
An introduction to the electrical engineering discipline, curriculum, personal and professional development, teamwork, project planning, communication skills, and conceptual design engineering. Freshman Engineering majors only. 2 Lecture, 2 Lab

200 Introduction to Engineering Practices and Principles II (2)
Application utilizing the tools and techniques in the electrical engineering discipline. Emphasis on analysis skills, mathematical skills, understanding of the profession/curriculum, and problem solving skills. 1 Lecture, 2 Lab. PREQ 199

300 Professional Development (1)
Viewing engineering as a career through participation in activities such as attendance of professional society meetings, participation in student organizations, attendance at visiting lectures, seminars, etc. PREQ: Junior standing in EE

359 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

132 Engineering Graphics (3)
Forms of industrial drawing, orthographic and pictorial projections, sketching and basic drawing board procedures. 2 Lecture, 2 Lab

141 Engineering Materials and Processes (3)
Fundamentals of industrial materials, their mechanical, physical, and chemical nature as related to manufacturing processes. 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. 2 Lecture, 2 Lab. PREQ ET 132

190 Technology Systems (3)
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.

231 3-D Computer Modeling (3)
Exposure to the broad spectrum of automated graphics and computer-aided design. 2 Lecture, 2 Lab. PREQ 132

232 Statics and Strength of Materials (3)
Study of forces and the effect of forces acting on static bodies, including the stresses and deflections or deformations from applied loads. 2 Lecture, 2 Lab. PREQ: MATH 144 or 145 or 146, MATH 140, PHYS 130

331 Quality Systems (3)
Techniques for monitoring and assuring quality. 2 Lecture, 2 Lab. PREQ: 141 and MATH 170, or permission of instructor

335 Occupational Safety Standards (3)
Standards and practices for industrial and educational safety related to local, state, and federal safety regulations.

336 Environmental Instrumentation (3)
Basic instrumentation techniques used to measure industrial safety and health hazards. 2 Lecture, 2 Lab. PREQ 335

337 Management of Safety Systems (3)
Comprehensive, organized management approach for identifying, measuring, and reducing operational errors leading to accidents. PREQ 335
338 Fire Control and Compliance Management (3)
Emergency planning, compliance with standards, recognition of fire hazards, implementation of controls, and extinguishing agents and methods  COREQ 335

341 CAM Systems (3)
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  2 Lecture, 2 Lab  PREQ 231, 242, and MATH 146

349 Rapid Tooling and Prototyping (3)
Prototyping methods and rapid tooling practices for product fabrication Emphasis on computer methods, 3D prototyping, CNC machining and tooling systems  2 Lecture, 2 Lab  PREQ PHYS 130, MATH 144 or 145 or 146, ET 231

351 Engineering Analysis (3)
Emphasis on real world application of engineering derivatives, integrations, rates of change, limits, functions, trigonometric functions, and problem solving methodology Utilization of Microsoft Excel and Matlab  PREQ 132, 141, MATH 140, MATH 170, PHYS 130

362 Engineering Logistics (3)
A study of various aspects of logistics and industrial distribution in the engineering domain  PREQ 132, 141, MATH 170

389 Cooperative Education (1-3, R9)
See Cooperative Education Program

410 Advanced 3D Computer Modeling and Rapid Prototyping (3)
Intermediate to advanced constraint-based parametric computer modeling applied to mechanical/industrial design components and mechanisms  2 Lecture, 2 Lab  PREQ ET 231

420 Polymer Technology (3)
Industrial fabrication techniques, topics in polymer science and mold construction  2 Lecture, 2 Lab  PREQ ET 231

421 Ergonomics (3)
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  PREQ Junior standing or permission of instructor

422 Advanced Polymer Technology (3)
Theory and application of molding processes, emphasis on thermoplastic and thermoset injection, topics in polymer science and microprocessing

423 Fluid Systems (3)
Basic fluid mechanics, hydraulic and pneumatic systems used in industrial manufacturing processes  2 Lecture, 2 Lab  PREQ MATH 144 or 145 or 146, PHYS 130

425 Metrology and Reverse Engineering (3)
Dimensional metrology, coordinate measuring machine, GD&T, engineering drawing interpretation, and fundamental technologies that enable the various forms of rapid prototyping  2 Lecture, 2 Lab  PREQ MATH 144 or 145 or 146, ET 231, 331, 349

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

436 Engineering Economic Analysis (3)
The study of economics as applied to engineering decision making  PREQ MATH 144 or 145 or 146, Engineering Technology student junior standing

441 Power Transmission Systems (3)
The study of hydrostatic fluid power components and systems specifically focused on industrial and manufacturing applications  2 Lecture, 2 Lab  PREQ 232, 351
449 Advanced Rapid Tooling and Prototyping (3)
Advance prototyping methods and rapid tooling practices for product design and fabrication. Advanced machining, tooling, and metrology will be covered. 2 Lecture, 2 Lab PREQ 349

461 Engineering Project Management (3)
Engineering project management is a technique for accomplishing specialized missions or work when normal organizational structure or methods are not sufficient. PREQ Engineering Technology major and junior standing

470 AIDC for the Enterprise (3)
A study of methods and systems used to automate data collection and the identification of physical objects. 2 Lecture, 2 Lab PREQ ECET 301 or permission of instructor

472 Integrated Control Systems (3)
Electronic sensing, logic, and control functions applied to automated systems. 2 Lecture, 2 Lab PREQ ECET 301, MATH 140

478 Integrated Systems Project (3)
Organizing, planning, and implementing a project using acceptable industrial techniques culminating in a formal written report and oral presentation. 1 Lecture, 4 Lab 461 or permission of instructor

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

Graduate Courses
510 Advanced Parametric Model and Prototyping (3)
521 Ergonomics (3)
522 Advanced Polymer Technology (3)
524 Facilities Management and Maintenance (3)
534 Facilities Layout (3)
536 Engineering Economic Analysis (3)
570 Telecommunications and Networking Systems (3)
575 Systems Integration and Management (3)
593 Topics in Engineering Tech (1-3, R6)
603 Applied Research Methods and Experimental Design (3)
610 Advanced Parametric Model and Prototyping (3)
611 Engineering Research (3)
612 Manufacturing Systems (3)
613 Automation Systems (3)
614 Data Acquisitions, Systems Control & Biometrics (3)
615 Manufacturing Research and Analysis (3)
616 Independent Study (3, R6)
617 Directed Project (1-3, R6)
618 Seminar in Engineering Technology (1-3, R3)
619 Thesis (3, R6)
620 Continuing Applied Research (1, R10)
621 Applied Research Methods and Experimental Design (3)
622 New Venture Leadership (3)
623 New Venture Creation (3)
624 New Venture Growth (3)
625 Cooperative Education (1-3, R6)
626 New Venture Strategy (3)
627 Operating and developing a successful entrepreneurial venture in a competitive environment

Entrepreneurship (ENT)
201 Introduction to Entrepreneurship (3)
Introduction to the principles of starting and operating an entrepreneurial venture

250 Innovation and Creativity (3)
Developing and enhancing individual and organizational creativity and innovation

293 Topics in Entrepreneurship (1-6, R6)

301 New Venture Leadership (3)
Developing, enhancing, and maintaining leadership in a successful entrepreneurial venture

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

450 New Venture Strategy (3)
Operating and developing a successful entrepreneurial venture in a competitive environment
362

475 Entrepreneurship (3)
The study of entrepreneurship as a driver of economic activity

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 (C5)

190 From Black Death to Bioterrorism - The Public Health Solution (3)
Public Health solutions applied to past and future world health concerns such as emergent diseases and international threats such as bioterrorism

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 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 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

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

380 Biosafety and Bioterrorism (3)
Overview of concepts related to the successful management of public health response to bioterrorism in the U.S. Includes a review of likely bioterrorism agents and biosafety practices Environmental Health or Emergency Management majors or permission of instructor PREQ 230, CHEM 133, and BIOL 292

389 Cooperative Education in Environmental Health (1 or 3, R12)
See Cooperative Education Program PREQ HSCC 389

390 Environmental Issues in Construction (4)
Comprehensive overview of environmental impact of common construction processes, and, environmental/occupational hazards and liability associated with those processes
430 Medical and Veterinary Entomology (4)
- Vectors responsible for arthropod-borne diseases of medical and veterinary importance 2 Lecture, 4 Lab  
  PREQ Permission of instructor

440 Air Quality Control (4)
- Evaluating and monitoring air quality, effects of pollution control and lab procedures in air quality investigation 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

460 Senior Seminar in Environmental Health (1)
- Exploration of current issues in environmental health  
  PREQ Senior status

465 Wastewater Issues in Environmental Health (3)
- Overview of concepts related to water and wastewater management in the U.S., including residential (on-site), community, and municipal wastewater systems  
  PREQ 310

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 9 weeks, full-time  
  PREQ Environmental health major or permission of instructor

493 Topics in Environmental Health (1-3)
- Studies in special areas of interest in environmental health  
  PREQ permission of instructor

Environmental Sciences (ES)

101 Careers and Issues in Environmental Science (1)
- Topical issues, career opportunities, and degree options in the environmental sciences at WCU  
  Students will produce a personal/professional development plan as one of the requirements

150 Introduction and Approaches to Environmental Science (4)
- An introduction for students majoring in environmental science  
  An overview of environmental science and current issues and approaches to studying environmental problems 3 Lecture, 3 Lab

495 Senior Research Seminar in Environmental Science (3)
- Capstone course for environmental science majors  
  Students will bring together the principles learned through various coursework in the program and conduct a group research project

Finance (FIN)

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  
  Co-listed with ACCT 301  
  PREQ ACCT 275

302 Real Estate (3)
- Financing sources of funds, loan contracts, mortgage analysis, role of government, real estate law

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)

Evaluating and monitoring air quality, effects of pollution control and lab procedures in air quality investigation 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

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  PREQ ACCT 275

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

350 So You Want To Be A Millionaire (3)
A multi-discipline approach to issues related to individual wealth accumulation and management. (P1) PREQ Junior standing

389 Cooperative Education in Finance (1or3, R15)
PREQ 2.0 GPA on courses in business. See Cooperative Education Program

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. PREQ 305

440 Bank Practice and Policy (3)
Principles underlying the employment of bank funds' allocations of funds to asset classes, and changing bank practices

450 Contemporary Managerial Finance (3)
Performance measures including EVA and MVA. Working capital management and short-term financing, capital budgeting, break-even and leverage analysis, mergers and acquisitions

480 Independent Research (3)
PREQ Permission of department head

483 Internship in Finance (3, R9)
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

484 Internship in Finance (3, R9)
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

485 Internship in Finance (3, R9)
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

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)
602 Investment Analysis and Portfolio Management (3)
682 Research Project in Finance (3, R6)
693 Topics in Finance (3, R6)
Forensic Science (FS)
- 380 Research in Forensic Science (3, R15)
  Forensic science research projects for individual students 9 hours lab Permission of instructor
- 389 Cooperative Education in Forensic Science (3)
  Supervised applications of academic study in a practical forensic science setting Sophomore status, 2.0 GPA, permission of instructor
- 495 Senior Seminar in Forensic Science (1, R3)
  Capstone course, presentations by external scientists and by students 2 hours per week

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 (P6) PREQ Some competency in French or consultation with the instructor
- 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 (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
- 232 Intermediate French II (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 4 Lecture, 5 Lab PREQ 110 or permission of instructor
- 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 10 Lab PREQ 232 or 240, sophomore standing, selection by faculty
304 Commercial French I (3)
Review of vocabulary and styles used in French business letters, various aspects of French business institutions  PREQ  232 or 240

305 Commercial French II (3)
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 (3)
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

332 Survey of French Literature II (3)
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)
See Cooperative Education Program  PREQ  301, 302

393 Special Topics in French (1-3, R6)
 PREQ  232 or 240

401 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

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 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

451 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

452 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

481 Independent Studies in French (1-3, R6)
 PREQ  232 or 240  PREQ or COREQ  301 and 302 or permission of department head
Geology (GEOL)

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 (C5)

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 (C5)

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

250 Introduction to the Rock Forming Minerals (3)
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 2 Lecture, 2 Lab 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 Geomorphology (4)
This course is cross-listed with GEOG 302

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 This course is cross-listed with GEOG 305 3 Lecture, 2 Lab PREQ Permission of instructor

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 This course is cross-listed with PHYS 330 3 Lecture, 3 Lab PREQ PHYS 130 or 230 COREQ PHYS 131 or PHYS 231

355 Petrology (3)
Introduction to igneous, sedimentary, and metamorphic rock genesis and their environments of formation, includes hand specimen and optical identification and fieldwork 2 Lecture, 2 Lab PREQ 250

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 3 Lecture, 3 Lab PREQ 250 and two 100 level geology courses Field trips

389 Cooperative Education in Geology (1 or 3, R15)
See Cooperative Education Program

393 Special Problems in Geology (1-4, R6)
Supervised research that includes a final oral presentation Research requirements will vary with credit PREQ Permission of instructor

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
410 Fluvial Geomorphology (3)
Survey of channel hydraulics, sediment transport and deposition, and channel responses to natural and anthropogenic disturbances, emphasizes factors controlling channel form and process

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 PREQ 140 or 150 and 155

423 Contaminated Rivers: Assessment, Remediation, and Restoration (3)
Survey of trace metal transport and fate in riverine environments and their potential impacts on ecosystem and human health, emphasizes remediation techniques

455 Wetlands (3)
Wetland science and management with an emphasis on physical processes and field techniques PREQ Junior/senior standing or permission

471 Tectonics (3)
History and development of tectonic concepts, geometry and kinematics of plate mosaic, evolution of modern and ancient orogenic belts 2 Lecture, 2 Lab PREQ 355, 371, or permission of instructor Field trips

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

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 4 Lab PREQ Permission of instructor

Graduate Courses
505 Hydrogeology (4)
510 Fluvial Geomorphology (3)
523 Contaminated Rivers: Assessment, Remediation, and Restoration (3)
555 Wetlands (3)
591 Topics in Geology (1-4, R8)

593 Special Problems in Geology (2, R4)
601 Earth Sciences (3)
602 Earth Sciences (3)
693 Topics in Geology (1-3, R6)

Geography (GEOG)
101 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)

103 Cultural Geography (3)
Interrelations of man, earth, and culture, the geography of race, language, religion, political and economic patterns, population growth and movements (P6)

150 Environmental Geography (3)
Survey of man's physical habitat, including weather and climate, soils, vegetation, and landforms, emphasis on phenomena that most influence man

300 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

302 Geomorphology (4)
Classification, description, origin, and development of landforms, relationships to underlying structures and climates This course is cross-listed with GEOL 302 3 Lecture, 2 Lab, field trip PREQ 150 and GEOL 150

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 This course is cross-listed with GEOG 305 3 Lecture, 2 Lab PREQ Permission of instructor
321 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

322 Cartography (4)
- Map design and construction, basic projects, data gathering, and display methods
- 2 Lecture, 6 Lab
- PREQ Permission of instructor

324 Introduction to Remote Sensing (4)
- Interpretation and applications of remote sensing, satellite and aerial imagery, elementary photography, stereoscopic viewing, and photomapping
- 3 Lecture, 2 Lab
- PREQ 150 or permission of instructor, GEOL 150 desirable

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 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)
- (P6) Only three hours may count toward liberal studies credit

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)
- Practical application of academic training in an approved agency under faculty supervision
- S/U grading 9 hours per week per course
- PREQ Junior standing

484 Internship in Geography (3)
- Practical application of academic training in an approved agency under faculty supervision
- S/U grading 9 hours per week per course
- PREQ Junior standing

485 Internship in Geography (3)
- Practical application of academic training in an approved agency under faculty supervision
- S/U grading 9 hours per week per course
- PREQ Junior standing

491 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  3 Seminar  PREQ  Senior standing or permission of instructor

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)

German (GER)

101 Experiencing German and the German-Speaking World I (3)
Students develop basic knowledge about the German-speaking world, and through that content, acquire functional proficiency in German  (P6)

102 Experiencing German and the German-Speaking World II (3)
Students build on their functional proficiency in German as they build on their cultural and real-world knowledge of the German-speaking world  (P6)  PREQ  Some competency in German or consultation with instructor

110 Experiencing German and The German-Speaking World. Accelerated (6)
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  4 Lecture, 5 Lab  (P6)

190 Triumph and Tragedy Reflected in Modern German Film (3)
Modern German culture and values as seen in film

231 Intermediate German I (3)
Continuation of written and oral German grammar, readings and discussions on German culture and civilization, readings in more specialized areas, lab practice maybe assigned  PREQ  102 or equivalent or placement for 231, 231 or equivalent or placement for 232

232 Intermediate German II (3)
Continuation of written and oral German grammar, readings and discussions on German culture and civilization, readings in more specialized areas, lab practice maybe assigned  PREQ  102 or equivalent or placement for 231, 231 or equivalent or placement for 232

240 Accelerated Second-Year German (6)
Continuation of 110, increasing emphasis on reading, writing, and the study of Germanic culture  4 Lecture, 5 Lab  PREQ  110 or permission of instructor

301 German for Everyday Use I (3)
Emphasis on communicating in realistic situations in everyday, practical German  PREQ  232 or 240 or equivalent, or placement, or permission of department head

302 German for Everyday Use II (3)
Emphasis on communicating in realistic situations in everyday, practical German  PREQ  232 or 240 or equivalent, or placement, or permission of department head

303 Applied German Conversation (3, R6)
Apprenticeship in the intensive language program  Does not count toward major, minor, or DFA in foreign languages  10 Lab  PREQ  232 or 240, sophomore standing, selection by faculty

304 Introduction to Business German Culture (3)
The development of students' communicative competence while learning about the culture and language surrounding business German  PREQ  301 or 302

310 Introduction to German Prose and Poetry (3)
Introduction to German literary texts, reading and analysis of literary works  PREQ  232 or 240

321 German Civilization I (3)
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
322 German Civilization II (3)
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

331 Survey of German Literature II (3)
Major literary movements, authors, and works since the twelfth century, course division at the nineteenth century
PREQ 232 or 240 PREQ or COREQ 301 and 302 or permission of department head

332 Survey of German Literature II (3)
Major literary movements, authors, and works since the twelfth century, course division at the nineteenth century
PREQ 232 or 240 PREQ or COREQ 301 and 302 or permission of department head

389 Cooperative Education in German (1 or 3, R15)
See Cooperative Education Program PREQ 301, 302

393 Special Topics in German (1-3, R6)
PREQ 232 or 240

401 Contrastive Features of German and English (3)
Study of similarities and differences of the two languages regarding phonology, morphology and syntax, and issues concerning L2 acquisition
PREQ 232 or 240 PREQ or COREQ 301 or 302, or permission of department head

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, EDSE 322

431 Studies in German Literature (3, R6)
Intensive study of an author or authors, genre, literary movement, school, or literary period
PREQ 232 or 240 PREQ or COREQ 301 and 302 or permission of department head

451 Advanced German 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

452 Advanced German Conversation (3)
Discussion of selected topics, oral reports on assigned reading, situational dialogues emphasizing practical, everyday German
PREQ 232 or 240 PREQ or COREQ 301 and 302 or permission of department head

481 Independent Studies in German (1-3, R6)
PREQ 232 or 240 PREQ or COREQ 301 and 302 or permission of department head

491 Supervised Student Teaching 9-12 (3)
A full-time supervised teaching experience in the discipline
COREQ EDSE 490, 495

Gerontology (GERN)

310 Aging Lifestyles and Society (3)
A study of how healthy lifestyles can slow and reverse the aging process with emphasis on the meaning of aging in contemporary American society and culture

480 Independent Study (1-3, R9)
A directed independent study in the field of gerontology
PREQ Permission of advisor

493 Topics (1-6)

498 Aging Seminar (3)
A capstone course with the major focus on researching and presenting a specific aging topic
The self-application of healthy aging concepts will be emphasized

Health Education (HEAL)

111 Stress Management for Health and Wellness (3)
This course provides an overview of the physiology of stress, methods to evaluate stress levels, and stress management techniques that improve health and wellness (C4)
120 Personal and Community Health (2)
Philosophy, knowledge, practices of health, coping with problems of living

123 Health and Wellness (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 (C4)

250 First Aid and Safety Education (2)
Prevention and care of accidents and injuries, including American Red Cross training courses

305 Current Health Problems (3)
Incidence, diagnosis, treatment, rehabilitation, and prevention of leading community health problems, addictions, individual, family, and community effects, positive mental health as a deterrent

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 Administration (HIA)

310 Introduction to Health Information Administration (2)
Orientation to the healthcare environment, health information management profession and its history, ethics, and duties, overview of the basic departmental functions for a paper-based patient record
PREQ Admission to HIA program or permission of HIA program director

312 Coding and Classification Systems (4)
Theory and application of principles and conventions for inpatient and outpatient coding systems, including abstracting, code assignment, sequencing, NCCI, and computer applications
3 Lecture, 2 Lab
PREQ 326  COREQ 314

314 Record Systems and Standards (3)
Study of creation/uses of patient data across healthcare, including content, format, analyses, control, numbering/filing systems, storage, retention, accreditation, certification, licensure standards, and regulations
2 Lecture, 2 Lab
PREQ 310  COREQ HSCC 330

326 Principles of Disease (4)
Study of the diagnosis, management, and documentation of common diseases with emphasis on etiology, signs and symptoms, complications, and current pharmacological and surgical therapies
PREQ BIOL 291, 292, and HSCC 220

410 Health Care Statistics and Registries (3)
Computation of routine healthcare statistics, the United States vital statistics system, registries, and, presentation and interpretation of healthcare data
PREQ All preceding HIA courses

412 Health Care Reimbursement (3)
Principles of professional and facility reimbursement, including common inpatient and outpatient payment systems, current regulations, casemix analysis, chargemaster, compliance, claims auditing, utilization and case management
PREQ 312, 314

418 Organization Administration (3)
Roles in healthcare organizations, including strategic planning and decision support, project management, cost-benefit analysis, performance improvement, facilitation of work teams, negotiation, and change
PREQ 318, HSCC 320

420 Health Care Informatics (3)
Analysis, design, and implementation of clinical and administrative automated data systems, including technologies, standards, protocols, regulations, and security requirements
Study of the electronic health record
2 Lecture, 2 Lab
PREQ HSCC 110, all preceding HIA courses
480 Independent Study in Health Information Administration (1-3, R6)
- PREQ Permission of HIA program director and instructor

483 Professional Practice Experience I (2)
- Supervised professional practice in an acute-care facility, focusing on health information processes
- PREQ All preceding HIA courses

484 Professional Practice Experience II (1)
- Supervised professional practice in non-acute care facilities and other healthcare related organizations
- PREQ 420, 483

485 Professional Practice Experience III (3)
- Supervised professional practical application in an acute-care facility, focusing on administrative and supervisory functions
- PREQ 420, 483  COREQ 418

495 Seminar in Health Information Administration (3)
- Transition to the professional role, including discussion of issues and trends, professional ethics, rights and responsibilities, strategies for the credentialing exam and career management
- PREQ Senior HIA major

Health Sciences (HSCC)

101 Nutrition, Fitness, and Wellness (3)
- Dimensions of human wellness with an emphasis on physical health
- Application of skills will be encouraged, and self-responsibility will be highlighted
- 1 hour supervised physical activity every other week (C4)

110 e-Health Computer Applications (3)
- Introduction to technology-related competencies essential for success in the e-health environment
- Hands-on experience with Windows, Internet search and general and healthcare specific computer applications

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

150 Introduction to Athletic Training (3)
- An introduction to athletic training, including care and prevention of injuries incurred by athletes and physically active individuals and basic skills required of athletic trainers

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

205 Women's Health 3
- Discussion of significant contemporary health issues that impact women around the world and across the lifespan (P6)

210 Global Disparities in Public Health 3
- This course explores global and cultural disparities in public health, healthcare, vaccination programs, safe drinking water, disease vectors, food safety, and wellness programs (P6)

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
- 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
- 2 Lecture, 2 Lab
- PREQ 231

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
- 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 (3)
Patient assessment, CPR, airway management, splinting and bandaging, childbirth, defibrillation, extrication rescue 6 Lab/field PREQ or COREQ 240

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

300 Occupational Health (3)
Historical, social, and legislative overview of occupational health and the prevention of injuries and illnesses The impact of human behavior and culture will be examined (P1)

307 Evaluating Health Claims Fact or Quack (3)
Examination of health information focusing on social norms, cultural influences, and behavioral characteristics used to target consumers of health care, fitness, diet, and nutritional products (P1)

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

318 Department Administration (3)
Principles of supervision and administration as applied in health care departments Emphasis on communication and problem-solving related to planning, organizing, directing, controlling, and budgeting

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 n practitioners

370 Introduction to Pharmacology (2)
Principles, including the dynamics of drug activity, synthesis, and toxicity in drug therapy PREQ BIOL 292 or 293 or ATTR 210, and emergency medical care, athletic training, nutrition and dietetics or recreational therapy major

371 Pharmacology Techniques (1)
Techniques of medication calculation and administration 2 Lab PREQ EMC major or permission of program director COREQ 370

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

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
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)

Higher Education (EDHE)

Graduate Courses
531 Foundations of Adult Education (3)
605 The Two-Year College (3)
610 Two-Year College Instruction (3)
636 Two-Year College Curriculum Dev (3)
650 Program Development and Evaluation (3)
683 Internship Two-Year College Admin I (3, R9)
686 Practicum in Two-Year College Teaching (2)
693 Topics in Higher Education (1, R3)
695 Seminar on the Two-Year College (2)
710 Admin of Two-Year Colleges (3)
805 Role of Higher Education in Society (3)
810 Comm College/Higher Education Leadership (3)
820 Community College/Higher Education Politics & Board Relations (3)
830 Adult Programming in Community College and Higher Education (3)
840 Community College/Higher Education Finance & Business Operation (3)

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)

175 Native American Civilizations (3)
Introduction to Native American history (P4)

181 Religion in Europe (3)
An examination of religious texts and history in European 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)

185 History of Death in Western Civilization (3)
Tales from the Crypt, a look at the changing perceptions about death (P4)

190 Freshman Seminar (3)
Exploration of various topics in American, European, and Third World history using the seminar method

191 Freshman Seminar (3)
Examination of the classic texts produced by a significant historical period, trend, or person(s) using the seminar method

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)
Survey of the American past from its Old and New World origins to the end of the Civil War (P3)

232 American History Since 1865 (3)
Survey of recent American history from the Reconstruction Period to the present (P3)

297 Sophomore Seminar (3)
Historical methods, historiography, and directed research

308 Explorations in Regional History (3, R12)
Examinations of select regions and the groups which influenced their historical evolution Closed to freshmen 0-29 hours (P3)

311 Ancient Greece and Rome (3)
Cultural, intellectual, and political developments in Greece and Rome, including the origins of Christianity Closed to freshmen 0-29 hours (P3)

312 The Heroic Age (3)
Early medieval Europe from 500 to 1000 Closed to freshmen 0-29 hours (P3)

313 The High Middle Ages (3)
The late medieval period from 1000 to 1500 Closed to freshmen 0-29 hours (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 Closed to freshmen 0-29 hours (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 Closed to freshmen 0-29 hours (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 Closed to freshmen 0-29 hours (P3)

327 Modern Russia (3)
The pre-revolutionary background and the Soviet period Closed to freshmen 0-29 hours (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 Closed to freshmen 0-29 hours (P3)

335 History of Capitalism (3)
Rise and spread of capitalism from the ancient world to the present Closed to freshmen 0-29 hours (P3)

341 North Carolina History (3)
The social, political, economic, and ethnic history of North Carolina from the colonial era to the present Closed to freshmen 0-29 hours (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 Closed to freshmen 0-29 hours (P3)

362 Latin American History II (3)
Revolutions, independence, struggle for political stability, popular government on trial, contest of hegemony, rise of indigenous nationalism Closed to freshmen 0-29 hours (P3)

373 Modern Asia (3)
Exploration of the forces shaping the history of the major nations of Asia Closed to freshmen 0-29 hours (P3)
375 Middle East since Mohammed (3)
Introduction to Middle East history from the spread of Islam to the present Closed to freshmen 0-29 hours (P3)

389 Cooperative Education in History (1 or 3, R15)
See Cooperative Education Program Closed to freshmen 0-29 hours

405 Methods for Teaching Social Sciences (3)
Methods, materials, curriculum, and trends in teaching secondary social sciences Field experience required Closed to freshmen 0-29 hours PREQ EDSE 322, admission to teacher education, 2 75 GPA in 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 Closed to freshmen 0-29 hours

412 Early Modern Europe (3)
The Reformation, development of the modern state, Scientific Revolution, rise of capitalism, social change Closed to freshmen 0-29 hours

413 Europe in the Eighteenth Century (3)
The Old Regime, wars of expansion, the Enlightenment, the French Revolution and Napoleon Closed to freshmen 0-29 hours

414 Europe in the Nineteenth Century (3)
Post-Napoleonic settlement, internal, colonial, and imperial developments, unification movements, background for World War I Closed to freshmen 0-29 hours

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 Closed to freshmen 0-29 hours

421 Romans, Christians, Barbarians (3)
Explores the three most prominent cultures of the Mediterranean at the end of the Roman Empire Closed to freshmen 0-29 hours

425 Modern European Military History (3)
Focuses on the era of the two World Wars (1914-1945), emphasizing political, technological, and operational issues Closed to freshmen 0-29 hours

431 Colonial America, 1492-1763 (3)
Political, social, economic, and cultural characteristics Closed to freshmen 0-29 hours

432 The Revolutionary Era, 1763-1800 (3)
Causes and effects of the revolution, the War for Independence, the Constitution, the Federalist Era Closed to freshmen 0-29 hours

433 The Young Republic, 1800-1848 (3)
Jeffersonian democracy, War of 1812, Era of Good Feelings, Jacksonian democracy, western expansion, the Mexican War Closed to freshmen 0-29 hours

434 Civil War and Reconstruction, 1848-1877 (3)
Sectional differences, the secession movement, military operations, Reconstruction Closed to freshmen 0-29 hours

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 Closed to freshmen 0-29 hours

436 The United States Since 1929 (3)
Great Depression, New Deal, World War II, role as Cold War superpower, domestic developments Closed to freshmen 0-29 hours

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 Closed to freshmen 0-29 hours
<table>
<thead>
<tr>
<th>Course Number</th>
<th>Title</th>
<th>Description</th>
<th>Credits</th>
<th>Restrictions</th>
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</thead>
<tbody>
<tr>
<td>443</td>
<td>The American South (3)</td>
<td>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. Closed to freshmen 0-29 hours.</td>
<td>3</td>
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<td>445</td>
<td>Cherokee History (3)</td>
<td>Pre-contact Cherokee society, acculturation, removal, post-removal development of the Cherokee Nation West and the Eastern Band of the Cherokees. Closed to freshmen 0-29 hours.</td>
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<tr>
<td>446</td>
<td>Southern Appalachian History (3)</td>
<td>History and folkways in the period of geographic isolation, changes in regional culture in an age of improved transportation and communications. Closed to freshmen 0-29 hours.</td>
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<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. Closed to freshmen 0-29 hours.</td>
<td>3</td>
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<td>450</td>
<td>War and Memory (3)</td>
<td>Explores perceptions and social history of American Wars in the Twentieth Century. Closed to freshmen 0-29 hours.</td>
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<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. Closed to freshmen 0-29 hours.</td>
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<tr>
<td>452</td>
<td>American Diplomatic History (3)</td>
<td>US foreign relations from the colonial period to modern times.</td>
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<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. Closed to freshmen 0-29 hours.</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. Closed to freshmen 0-29 hours.</td>
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<tr>
<td>457</td>
<td>Sports in American History (3)</td>
<td>Interaction between sports and American social, economic, and political history. Closed to freshmen 0-29 hours.</td>
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<td>459</td>
<td>Sizzlin’ Sixties (3)</td>
<td>Explores key events and trends that characterized US history during the 1960’s. Closed to freshmen 0-29 hours.</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. Closed to freshmen 0-29 hours.</td>
<td>3</td>
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<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. Closed to freshmen 0-29 hours.</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. Closed to freshmen 0-29 hours.</td>
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<td>473</td>
<td>Introduction to Museum and Historic Site Interpretation (3)</td>
<td>Theory and practice of interpreting history to the public in museums and historic sites. Exhibits development, research methods, public programming, and audience evaluation. Lecture and fieldwork. Closed to freshmen 0-29 hours.</td>
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<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. Closed to freshmen 0-29 hours.</td>
<td>3</td>
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</tbody>
</table>
483 Internship Project in History (3)
Work experience on historical problems, written assignments required S/U grading. 9 hours per week per course. Closed to freshmen 0-29 hours.

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Work experience on historical problems, written assignments required S/U grading. 9 hours per week per course. Closed to freshmen 0-29 hours.

485 Internship Project in History (3)
Work experience on historical problems, written assignments required S/U grading. 9 hours per week per course. Closed to freshmen 0-29 hours.

491 Supervised Student Teaching in Social Sciences, 9-12 (3)
A full-time supervised teaching experience in Social Sciences. Closed to freshmen 0-29 hours. COREQ EDSE 490, 495.

493 Topics in History (1-3, R12)
Closed to freshmen 0-29 hours.

499 Senior Thesis (2)
Directed research for history majors. 297, 32 GPA in History courses, permission of department head.

Graduate Courses
- 511 Western Imperialism, 1500 to the Present (3)
- 512 Early Modern Europe (3)
- 513 Europe in the Eighteenth Century (3)
- 514 Europe in the Nineteenth Century (3)
- 516 Europe in the Twentieth Century (3)
- 521 Romans, Christians, Barbarians (3)
- 525 Modern European Military History (3)
- 531 Colonial America, 1492-1763 (3)
- 532 The Revolutionary Era, 1763-1800 (3)
- 533 The Young Republic, 1800-1848 (3)
- 534 Civil War and Reconstruction, 1848-1877 (3)
- 535 Emergence of Industrial America, 1877-1929 (3)
- 536 The United States Since 1929 (3)
- 542 African American History (3)
- 543 The American South (3)
- 545 Cherokee History (3)
- 546 Southern Appalachian History (3)
- 548 The American West (3)
- 550 War and Memory (3)
- 551 American Women's History (3)
- 554 American Military History (3)
- 555 American Religious History (3)
- 559 Sizzlin' Sixties (3)
- 563 History of the Mexican Nation (3)
- 571 Introduction to Public History (3)
- 572 Local History and Genealogy (3)
- 573 Intro to Museum and Historic Site Interpretation (3)
- 574 Introduction to Oral History (3)
- 589 Cooperative Education in History (3)
- 593 Topics in History (1-3, R12)
- 631 Historiography (3)
- 632 Historical Methodologies and Research Design (3)
- 633 Adv Teach Method In Secondary Soc Sci (3)
- 680 Readings in History I (3, R6)
- 681 Readings in History II (3, R6)
- 682 Readings in History III (3, R6)
- 683 Readings in History IV (3, R6)
- 688 Internship in History (1-3, R3)
- 693 Problems in History (3, R9)
- 699 Thesis (3, R12)
- 779 Continuing Research—Non-Thesis Option (1, R10)
- 799 Continuing Research—Thesis Option (2, R24)

Human Resources (HR)

140 Freshman Leadership Institute I (2)
Introduces a theoretical framework for understanding leadership and followership, while participating in a learning community. Students experience the personal discovery of leadership potential and commitment. Acceptance into the Freshman Leadership Living-Learning Institute and Housing.

141 Student Development and Leadership (1, R3)
Designed to promote ethically and morally responsible, fully functioning leaders for resident advisor positions.

142 Peer Education Leadership (1)
Current wellness concerns of today's college students. Translates learning into becoming peer educators and campus leaders through outreach, event planning, and optional participation in CREW.

143 Emerging Leaders (1)
An interactive learning experience designed to introduce leadership concepts and experiential leadership opportunities at WCU, encouraging participation in a context of personal and leadership knowledge.

Introduces a theoretical framework for understanding leadership and followership, while participating in a learning community. Students experience the personal discovery of leadership potential and commitment. Acceptance into the Freshman Leadership Living-Learning Institute and Housing.
145 **Student Leadership for Campus Service and Programming (1)**
The Social Change Model of leadership relationship to student leadership for Last Minute Productions programming, or University Center and Ramsey Activity Center student staff.

146 **Emerging Greek Leaders (1)**
Provides new members of WCU Greek organizations opportunities to explore leadership within the Social Change Model from an experiential context of organizational membership.

147 **Leadership for Understanding and Promoting Non-Violence and Social Change (1)**
Designed to educate students about domestic violence and preventative measures while exploring leadership for associated issues within the context of the Social Change Model.

148 **Leadership Principles (1)**
The course presents fundamentals of student leadership, covers leadership theory, parliamentary law, committee techniques, democratic organization, principles and functions of student government, and group problems.

149 **Women, Leadership, and Social Change (1)**
This course will focus on women’s leadership and service as it relates to personal development and campus involvement through a lens of social change.

150 **Leadership for Fitness Center and Intramurals Staff (1)**
Overview of leadership in relation to fitness and recreation, providing the student opportunity to practice leadership skills and analyze challenges in leading associated activities.

241 **Orientation Leaders (1)**
The class design enhances educated, ethical and morally responsible, functioning leaders who can contribute to the success of first year students at Western Carolina University.

243 **Service Learning and Leadership for Social Change (1)**
Provides understanding of leadership and social change strategies at the community level, focusing on roles and functions of nonprofit/social service agencies and service-learning participants.
Preq: All HR 100 level courses or permission of instructor.

244 **Sophomore Leadership Institute (3)**
Course design enables practical application of group dynamics utilizing collaboration, common purpose and group identity. Controversy with civility will provide the lens for conflict management.
Preq: Permission of instructor.

245 **Student Media Leadership (1)**
Enables students participating in the context of student media to lead using ethical and social change perspectives in peer and community communications.

246 **Advanced Greek Leadership (1)**
Advanced Greek Leadership explores the leadership and evolution of the campus Greek community and its relationship to the national organizational structures and university educational mission.
Preq: 143, 144, 146, 244 or permission of instructor.

247 **Student Athlete Leadership (1)**
Enables practical application of leadership for athletes through sports team dynamics, personal goal setting, visioning, and the role of student athletes in the university community.

248 **Advanced SGA-Leadership Issues and Change (1)**
Advanced techniques and issues for student government leadership. It will cover major themes of creating change, creativity, lobbying, and social group dynamics.
Preq: 148 or permission of instructor.

249 **Diversity and Leadership (1)**
Explore and discuss issues of diversity and leadership such as communication, resolving conflicts, motivation, decision-making, community service, and leadership styles.

255 **Student Leadership for Campus Service and Programming (1)**
Students will learn practical skills and techniques in teaching their peers how to apply the Social Change Model in their role as student leaders.
Preq: 145.
Dimensions of Spirituality in Leadership (3)
Course enhances student's relationship with their world and sense of spirituality, life course and leadership knowledge searching for meaning and purpose of actions and decisions. PREQ 244 or permission of instructor.

Junior Leadership Seminar (3)
Explore and discuss issues on ethics and values decision making from a leadership perspective for understanding how leaders shape moral environment in different contexts. PREQ 244 or permission of instructor.

Senior Leadership Forum (3)
Course enhances the student's relationship and leadership knowledge with the greater world and societies in which they live, lead, and continue their lifelong learning. PREQ 344 or permission of the instructor.

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 Organization Performance (3)
- 619 Assessment Methods in Human Resources (3)
- 620 Design and Use 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)

Hospitality and Tourism (HT)

The Hospitality and Tourism Services Industry (3)
Survey of industry segments including tourism, restaurants, hotels, clubs, conventions, casinos, and cruise line operations with emphasis on career opportunities.

Quality 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.

Topics (1-3, R12)

Hotel Front Office Operations (3)
Study of front office procedures from reservations through checkout including night audit and property management systems and their impact on other lodging operations.

Hospitality Facilities Management (3)
Management of facility operations including planning and design, facility systems, housekeeping, environmental, safety and security issues, and resource management.

Quantity Foods (3)
Through demonstration, lecture and laboratory experience, participants develop skills in food preparation, recipe usage, commercial food costing and production control. 2 Lecture, 2 Lab.

Restaurant Management (3)
Functions of management as applied to commercial food service systems. Emphasis on menu development, procurement, production and service.

Lodging and Resort Management (3)
Study of hotels, resorts, timeshares, condominiums, and other lodging facilities. Emphasis on organizational structure, divisional operations, and management responsibilities.

Club Management (3)
Organization, administration and operation of the private club industry with emphasis on club manager responsibilities and the unique sensitivities that contribute to member satisfaction.

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.
338 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.

339 Cost Control in the Hospitality and Tourism Industry (3)
Theories and techniques of controlling costs of food and beverage, and labor costs in hotels and restaurants, analysis and evaluation of financial performance of the settings. PREQ ACCT 161 or 251.

341 Special Events and Festival Management (3)
This course will introduce students to special events and festival management. Examination of techniques and methods used to plan, organize, promote, and manage special events and festivals.

389 Cooperative Education (1 or 3, R15)
See Cooperative Education Program.

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.

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.

434 Advanced Club Management (3)
In-depth study of the club manager's leadership role and responsibilities in operating a successful private club. PREQ 336.

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.

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 Strategic Management in the Hospitality and Tourism Industry (3)
Personal and career development, ethics and the integration of knowledge with related fields. A senior project will be required. PREQ Senior status.

465 British Studies in Hospitality and Tourism (6)
Exploration of the British hospitality and tourism industry through research and on-site examination.

477 Casino Management (3)
History, development and management of casinos and gaming. Investigates the economics, moral and cultural issues of gaming. Field trip required. Enrolled students must be at least 21 years old. PREQ Permission of instructor.

480 Independent Study (1-3, R6)

483 Internship (0)
Integration of theory and practice in a setting appropriate to the student's career field. S/U grading. 9 hours per week per course. PREQ Permission of instructor.

484 Internship (3)
Integration of theory and practice in a setting appropriate to the student's career field. S/U grading. 9 hours per week per course. PREQ Permission of instructor.

485 Internship (3)
Integration of theory and practice in a setting appropriate to the student's career field. S/U grading. 9 hours per week per course. PREQ Permission of instructor.

493 Topics (1-12)

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

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. 6 Studio

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. 6 Studio. PREQ 250 and 251

256 Perspective Drawing (3)
Visualization of space through various perspective views to illustrate a design concept using rendering drawing techniques. 6 Studio. PREQ 250, 251, and ART 132

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 times to the nineteenth century

351 Lighting Design (3)
Lighting design in residential and commercial spaces and the vital impact it plays on interiors. 6 Studio. PREQ 255

352 Residential Design I (3)
The application of the design process to the development of small scale residential environments. 6 Studio. PREQ 252, 255, 256, 257

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
6 Studio  PREQ  351, 352

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  6 Studio
PREQ  351, 352

358 CADD for Interior Design (3)
The advanced application of computer-aided drafting as a design tool for the interior designer  6 Studio
PREQ IDES 352

360 Residential Design II (3)
Design of medium to large scale residential environments, which may include historical and/ or
cultural aspects  6 Studio  PREQ  352, 357, and 350/ or 355/ or ART History

361 Kitchen and Bath Design II (3)
The further development of skills utilized in solving cabinetry related design applications  6 Studio
PREQ  357, 358

362 Senior Research (3)
Supervised research directed toward a topic selected in consultation with the instructor  PREQ
356, 357, 358

365 Contract Design II (3)
Design of medium to large scale commercial environments, which may include historical and/or
cultural aspects  6 Studio  PREQ  356, 358, 452

366 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

367 Senior Project (3)
Application of senior research  PREQ  452

368 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  6 Studio  PREQ  Permission of instructor

369 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)
Integration of theory and practice in a setting appropriate to the student’s career field  S/U grading
PREQ  Permission of program director

484 Internship (3)
Integration of theory and practice in a setting appropriate to the student’s career field  S/U grading
PREQ  Permission of program director

485 Internship (3)
Integration of theory and practice in a setting appropriate to the student’s career field  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

401 Information and Materials Exchange in International Business (3)
Operations strategy as it relates to fundamentals of logistics, supply chain management, operations management, operations, and e-commerce in the global business environment  PREQ  MGT 300

480 Independent Research (3)
Three individual conferences

483 Internship in International Business (3)
Ten hours per week of work

484 Internship in International Business (3)
Ten hours per week of work

485 Internship in International Business (3)
Ten hours per week of work

488 Study Abroad (3-15, R30)
Participation in WCU study abroad exchange program

493 Topics in International Business (1-3, R6)
Permission of department head

Graduate Courses

693 Topics in International Business (3, R6)

Japanese (JPN)

101 Beginning Japanese I (3)
Introduction to the study of Japanese language and culture  Emphasis on speaking  (P6)

102 Beginning Japanese II (3)
Continued study of Japanese language and culture  Emphasis on speaking  (P6)  PREQ  101 or equivalent

190 First Year Seminar. An Introduction to Japanese Popular Culture (3)
Selected topics of Japanese popular culture, with a focus on martial arts, cuisine, and animation

231 Intermediate Japanese I (3)
Continued study of Japanese language and culture, with emphasis on oral development  PREQ 102 or equivalent

232 Intermediate Japanese II (3)
Continued study of Japanese language and culture with emphasis on oral development  PREQ 231 or equivalent

301 Third Year Japanese I (3)
Continued study of Japanese language (composition) and culture  232 or permission of instructor

302 Third Year Japanese II (3)
Continued study of Japanese language and culture  232 or permission of instructor

393 Special Topics in Japanese (1-3, R6)
Permission of instructor

451 Advanced Japanese Grammar (3)
Continued study of Japanese language and culture  301 or permission of instructor

452 Advanced Japanese Conversation (3)
Continued study of Japanese language (conversational) and culture  302 or permission of instructor
**Latin (LAT)**

**101 Beginning Latin I (3)**
Students learn to analyze and understand Classical Latin texts through study of this progenitor language's logic system of word formation and sentence construction (P6)

**102 Beginning Latin II (3)**
Continued study of basic Latin (P6)

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**Master of Business Administration (MBA)**

**Graduate Courses**
- 500 Accounting and Finance for Management Analysis (3)
- 505 Economics and Public Policy (3)
- 510 Statistical Analysis for Business (2)
- 515 Foundations of Management (1)
- 520 Foundations of Marketing (1)
- 525 Social, Political, and Legal Env for Business (2)

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**Mathematics (MATH)**

**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 Precalculus (4)**
Functions using equations, graphs, and numerical data, linear, exponential, logarithmic, trigonometric, polynomial, and rational functions, transformations, compositions, inverses, and combinations of functions, trigonometry with identities

**152 Engineering Calculus I (3)**
Limits, continuity, derivatives of algebraic and trigonometric functions with applications. PREQ 146, or consent of the director of mathematics placement

**153 Calculus I (4)**
Limits, continuity, derivative, and integrals of algebraic and trigonometric functions with applications. PREQ 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

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**191 Mathematics in Social Choice and Decision-Making (3)**
This course covers topics from voting methods, weighted voting, fair division, apportionment, and game theory
192 Fractals: The Geometry of Nature (3)
Investigate basic mathematical principles behind fractals with connections to literature, art, science, and the general world.

250 Introduction to Logic and Proof (3)
An introduction to the principles of logic and the methods of proof necessary for the successful study of mathematics PREQ or COREQ 140 or 153.

252 Engineering Calculus II (3)
Integrals of algebraic and trigonometric functions with applications series PREQ 152, or consent of the director of mathematics placement.

253 Engineering Calculus III (3)
Multivariable calculus, partial derivatives, multiple integrals, Green’s Theorem PREQ 252, or consent of the director of mathematics director.

255 Calculus II (4)
Derivatives and integrals of transcendental functions, techniques of integration, indeterminant 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.

270 Statistical Methods I (3)
Descriptive statistics, probability and sampling distributions, estimation, hypothesis testing PREQ 140 or above.

300 Problem Solving (2)
Methods and techniques for problem solving in mathematics 1 Lecture, 2 Lab.

301 History of the Scientific Revolution (3)
A study of the role of science in Western culture from classical antiquity to the seventeenth century (P3).

310 Discrete Structures (3)
Graph theory planarity, eulerian, hamiltonian, colorings, and trees Enumeration permutations, combinations, binomal distribution, generating functions, recurrence relations, and inclusion-exclusion. This course is cross-listed with CS 310 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.

321 Theory of Arithmetic I (3)
Logic, sets, relations, mathematical systems, counting, numeration systems, and algorithms for whole numbers.

322 Theory of Arithmetic II (3)
Measurement (metric system), number theory integers, rationals, irrationals, and reals PREQ 321.

361 Introduction to Abstract Algebra (3)
Groups, rings, and fields PREQ 250.

362 Introduction to Linear Algebra (3)

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 5 Lab PREQ MATH 255, permission of department head

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, EDSE 322

422 Real Analysis (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

424 Complex Variable Theory (3)
The complex number system, limits, continuity, derivatives, transcendental and multiplevalued functions, integration PREQ 256

430 Mathematical Modeling (3)
Topics including design of models, analysis of stability and sensitivity, optimization, programming, forecasting, differential equation models, diffusion, or wave propagation PREQ MATH 320, MATH 362, CS 340

441 Introduction to Numerical Analysis (3)
Numerical techniques in root-finding, interpolation, differentiation and integration, ordinary differential equations, linear systems, and error analysis PREQ 255, 362, CS 150 or 340

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 362

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
Supervised Student Teaching in Mathematics, 9-12 (3)
A full-time supervised teaching experience in the discipline

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)
522 Advanced Calculus I (3)
523 Advanced Calculus II (3)
524 Complex Variable Theory (3)
541 Introduction to Numerical Analysis (3)
542 Advanced Calculus I (3)
561 Abstract Algebra (3)
562 Linear Algebra (3)
570 Statistical Theory II (3)
589 Cooperative Education in Mathematics (3, 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)

Management (MGT)

235 Statistics (3)
Descriptive and inferential statistical methods applied to managerial decision-making

300 Introduction to Management (3)
Principles, issues, and practices of managing in modern organizations

302 Labor-Management Relations (3)
Critical roles of labor unions, legislative bodies and government regulations, negotiation of collective bargaining agreements and dispute resolution

304 Human Resource Management (3)
Staffing, training, evaluating, and rewarding employees, developing and implementing effective personnel programs

305 Quantitative Business Analysis (3)
Models for decision-making in operations management, including forecasting, network analysis, queuing theory, and simulation

306 Behavioral Science in Organizations (3)
Examination of individual and collective human behavior in organizations

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

401 Small Business Management (3)
Operations and strategies of small firms, integration of functional areas, economic, social, political, technological, and governmental factors

222 Analysis I (3)
223 Analysis II (3)
244 Complex Analysis (3)
230 Mathematical Modeling (3)
232 Methods of Applied Mathematics (3)
234 Partial Differential Equations and Boundary Value Problems (3)
240 Numerical Analysis (3)
246 Numerical Linear Algebra (3)
261 Applied Algebra (3)
2670 Advanced Statistical Theory (3)
2672 Advanced Statistical Methods (3)
2679 Master’s Project Course (1)
269 Master’s Project Course (1)
2693 Topics in Mathematics (1-6, R6)
2694 Topics in Mathematics Education (1-6, R6)
2699 Thesis (3, R6)
779 Continuing Research—Non-Thesis Option (1, R10)
779 Continuing Research—Thesis Option (2, R24)
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 ACCT 252, ECON 231, FIN 305, MGT 300, MKT 301 and senior standing

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)  
Supervised work or research in applications of previously studied theory  
S/U grading  
Minimum of 10 hours per week  
PREQ Junior standing, 2.0 GPA, written application, permission of department head

484 Internship in Management (3)  
Supervised work or research in applications of previously studied theory  
S/U grading  
Minimum of 10 hours per week  
PREQ Junior standing, 2.0 GPA, written application, permission of department head

485 Internship in Management (3)  
Supervised work or research in applications of previously studied theory  
S/U grading  
Minimum of 10 hours per week  
PREQ Junior standing, 2.0 GPA, written application, permission of department head

493 Topics in Management (1-3,R6)  
PREQ Permission of department head

495 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

605 Organizational Behavior and Analysis (3)  
606 Quantitative Analysis for Business I (3)  
607 Strategic Management (3)  
608 Human Resource Administration (3)  
609 The Collective Bargaining Process (3)  
610 Leadership Practice and Development (3)  
611 Production and Operations Management (3)  
613 Management of International Operations (3)  
614 Managerial Career Development (3)  
682 Research Project in Management (3, R6)  
693 Topics in Management (3, R6)

Manufacturing Engineering Technology (MET)

242 Machining Processes (3)  
Techniques of industrial machining processes  
2 Lecture, 2 Lab  
PREQ 132, 141, MATH 144 or  
145, PHYS 130

332 Quality Control II (3)  
A continuation of MET 331 with emphasis on probability distribution, sampling, advanced control  
charting, reliability, and design of experiments  
2 Lecture, 2 Lab  
PREQ 331 and MATH 170, or  
permission of instructor

342 Lean Manufacturing Systems Analysis and Planning (3)  
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
366 Manufacturing Materials and Processes (3)
Study of the nature, composition, and structure of various materials used in manufacturing. Materials include ferrous and nonferrous metals, polymer, ceramics, wood, and fibers.

393 Topics in Engineering Technology (1-3, R9)

431 Automated Manufacturing (3)
Automated manufacturing systems, strategies, and methods commonly used in modern manufacturing. Emphasis on control methods and computer integration. 2 Lecture, 2 Lab. PREQ 231, 342 and EET 302 and CS 130, or permission of instructor.

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.

493 Special Topics (1-3, R6)
PREQ Permission of instructor.

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.

389 Cooperative Education in Marketing (1 or 3, R15)
See Cooperative Education Program.

403 Advertising Management (3)
Planning and production of a professional advertising campaign. PREQ 301.

404 Retailing Management (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)
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)
Theory and concepts in channel management, emphasis on structural, operational, and leadership decisions. PREQ 301.
407 Global Marketing (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)
Focuses on the evolution of relationship marketing, interpersonal and group relationship development, and negotiation skills. (P1)

410 Sales Management and Negotiation (3)
Managing salespeople through applications oriented assignments focusing on territory design, salesperson motivation, and quota attainment.

411 Marketing Strategy (for non-marketing majors) (3)
This course provides a survey of key issues in marketing strategy and management. Credit for course not applicable to hours required for graduation for students majoring in marketing. PREQ 301

475 Marketing Strategy and Management (3)
A capstone course that integrates the collection of individual marketing concerns into a managerial decision making framework. PREQ 301 and six hours of other marketing courses, ECON 231, 232, ACCT 251, 252. Marketing majors only.

482 Independent Study (3)
Supervised, student-initiated project. PREQ Marketing major, MKT 475, senior standing, minimum GPA of 3.25, permission of instructor and department head.

483 Internship in Marketing (3)
Supervised experience in applications of previously studied theory. S/U grading. Minimum of 10 hours per week. PREQ Junior standing, 2.0 GPA, written application, permission of department head.

493 Topics in Marketing (1-3, R12)

Graduate Courses:

601 Marketing Management (3)
602 Marketing Research (3)
603 Consumer Behavior (3)
604 Marketing Communications (3)
605 Research Project in Marketing (3, R6)
693 Topics in Marketing (3, R6)

Middle Grades Education (EDMG)

410 The Middle School Child and Curriculum (3)
Programs, methods, and materials for students in the middle grades.

411 Differentiated Instruction in Middle Grades Education (4)
Exploration of diversity with respect to ways of learning and developing strategies for differentiating instruction and promoting self-discipline in grades 6-9. PREQ Admission to professional education sequence.

Graduate Courses:

510 Middle School Curriculum and Instruction (3)
589 Internship II in Middle Grades (3, R9)
621 Issues and Trends in Middle Grades Education (2)
622 Teaching-Learning Strategies for 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 (2)
697 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.

105 Applied Preparatory (2)
Applied music study with one hour of private instruction and one hour master class each week. Studio. PREQ Audition or permission of the department head.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>106</td>
<td>Applied Minor (1, R3)</td>
<td>Applied music study with one-half hour private instruction per week Studio</td>
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<td>PREQ Audition or permission of the department head 30-minute music lesson</td>
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<tr>
<td>107</td>
<td>Applied Major (2, R6)</td>
<td>Applied music with one hour of private instruction and one hour master class</td>
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<td>each week Studio PREQ Audition or permission of the department head</td>
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<tr>
<td>108</td>
<td>Aural Skills I: Fundamentals of Sight Singing (1)</td>
<td>Aural analysis and sight singing of intervals, scales, chords, and</td>
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<td></td>
<td></td>
<td>simple meters using solfege syllables 2 Lab PREQ Placement exam or</td>
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<td>permission of the department head</td>
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<tr>
<td>118</td>
<td>Music Theory I: Fundamentals (3)</td>
<td>Fundamentals of music notation keys, modes, scales, triads, seventh</td>
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<td></td>
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<td>chords, 2-part counterpoint, ranges and transpositions of instruments,</td>
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<td></td>
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<td>elementary analysis and composition, basic Finale notation PREQ Placement</td>
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<td>exam or permission of the department head</td>
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<td>148</td>
<td>Piano Class I (1)</td>
<td>Basic functional keyboard skills 2 meetings PREQ Music major or permission of</td>
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<td>department head</td>
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<tr>
<td>149</td>
<td>Piano Class II (1)</td>
<td>Basic functional keyboard skills 2 meetings PREQ 148</td>
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<td>158</td>
<td>Voice Class I (1)</td>
<td>Fundamental voice instruction 2 meetings</td>
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<td>168</td>
<td>String Class (1)</td>
<td>Playing stringed instruments, basic technical problems and teaching</td>
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<tr>
<td></td>
<td></td>
<td>techniques 2 meetings</td>
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<tr>
<td>169</td>
<td>Classroom Guitar Technique (1)</td>
<td>Basic technical problems and teaching techniques 2 meetings</td>
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<td>171</td>
<td>Chorus (1, R8)</td>
<td>Study and performance of representative choral works, open to any student</td>
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<td></td>
<td>meeting eligibility requirements 3 meetings</td>
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<tr>
<td>172</td>
<td>Concert Choir (1, R8)</td>
<td>Audition required, public performances 4 meetings</td>
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<tr>
<td>173</td>
<td>Band (1, R8)</td>
<td>Performance of a wide variety of music in the marching, symphonic, and</td>
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<td>concert bands, open to any student meeting eligibility requirements 4</td>
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<td>meetings</td>
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<tr>
<td>174</td>
<td>Orchestra (1, R8)</td>
<td>Experience for advanced strings, wind, and percussion players, formal music</td>
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<td>and performances PREQ Permission of instructor</td>
</tr>
<tr>
<td>175</td>
<td>Ensemble (1, R12)</td>
<td>Performance in vocal or instrumental ensembles 2 meetings</td>
</tr>
<tr>
<td>176</td>
<td>Musical Theatre Ensemble (1, R8)</td>
<td>Staged production of scenes or shows from the operatic and musical theatre</td>
</tr>
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<td>repertory PREQ Permission of instructor</td>
</tr>
<tr>
<td>181</td>
<td>Introduction to MIDI/Synthesis (1)</td>
<td>Survey of MIDI devices, synthesis techniques, and contemporary music technology</td>
</tr>
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<td></td>
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<td>2 Lab PREQ Music major or permission of instructor</td>
</tr>
<tr>
<td>182</td>
<td>Computer Applications in Music (1)</td>
<td>Use of the computer to prepare parts and scores, and to orchestrate and</td>
</tr>
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<td>arrange music 2 Lab PREQ 208, 218 or permission of the instructor</td>
</tr>
<tr>
<td>184</td>
<td>Functional Jazz Keyboard (1, R2)</td>
<td>Functional keyboard skills in jazz and popular styles 2 meetings PREQ 208,</td>
</tr>
<tr>
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<td>218 or permission of the instructor</td>
</tr>
<tr>
<td>190</td>
<td>First-Year Seminar (3)</td>
<td>Variable topics such as jazz, rock music, music and community, music</td>
</tr>
<tr>
<td></td>
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<td>technology, etc See schedule of classes for topic of each section</td>
</tr>
</tbody>
</table>
206 Applied Minor (1, R3)
One thirty-minute private lesson per week Studio PREQ 108, 118, two semesters of MUS 106

207 Applied Major (2, R6)
Applied music with one hour of private instruction and one hour master class each week Studio PREQ 108, 118, successful sophomore qualifying exam or audition and permission of the department head

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

248 Piano Class III (1)
Continuation of keyboard skill development 2 meetings PREQ 149

249 Piano Class IV (1)
Piano proficiency completion 2 meetings PREQ 248

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

272 Percussion Class (1)
Playing percussion instruments, basic technical problems and teaching techniques 2 meetings

279 Wind and Percussion Class I (1)
Instrumental teaching techniques for voice and keyboard music education majors 2 meetings

283 Music Technology Methods (1)
Topics, equipment, and pedagogy of music technology in music education 2 lab PREQ 108 and 118 or permission of instructor

284 MIDI/Synthesis Masterclass (1, R3)
Group lessons in MIDI/Synthesis including an introduction to performance on selected MIDI controllers 2 Lab PREQ 181 and 182 or permission of instructor

301 Basic Skills (1)
Music fundamentals and elementary performance skills 2 Lab

303 The World of Music (3)
Musical traditions of various world cultures in their social contexts (P6) PREQ Junior-level status

304 Jazz Appreciation (3)
Introduction to the materials, performing media, fundamental principles, and performers of American jazz in a social and historical context (P5)

305 Junior Recital (1)
Public performance May be scheduled after hearing committee approval PREQ Junior qualifying examination

306 Applied Minor (1, R3)
One thirty-minute private lesson per week Studio PREQ Two semesters of MUS 206

307 Applied Major (2, R6)
Applied music with one hour of private instruction and one hour master class each week Studio PREQ Successful junior qualifying examination or audition and permission of the department head
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 2 Lab PREQ 208

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 2 Lab PREQ 308

311 Pedagogy of Brass Instruments (2)
- Teaching methodology and materials for brass instruments in a beginning band setting, including basic performance proficiency on each instrument 1 Lecture, 2 Lab 3 meetings/week

312 Pedagogy of Woodwind Instruments (2)
- Teaching methodology and materials for woodwind instruments in beginning band setting, including basic performance proficiency on each instrument 1 Lecture, 2 Lab 3 meetings/week

317 Applied MIDI/Synthesis (2, R6)
- Applied study of MIDI/Synthesis with one hour of private instruction and one hour of masterclass each week PREQ 284 and successful junior qualifying examination or audition

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 PREQ Admission to teacher education, EDSE 322

327 Choral Methods and Materials (3)
- Methods and materials used in developing the school choral program PREQ Admission to teacher education, EDSE 322

329 Fundamentals of Conducting (2)
- Introduction to the basic skills and gestures of conducting 3 Lab PREQ 309, 319

358 Performance Laboratory (0)
- Attend ten approved music performances S/U grading

371 University Chorus (1, R8)
- Study and performance of representative choral works, open to any student meeting eligibility requirements 3 meetings

372 Concert Choir (1, R8)
- Audition required, public performances 4 meetings

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

374 Orchestra (1, R8)
- Experience for advanced strings, wind, and percussion players, formal concerts and performances

375 Ensemble (1, R12)
- Performance in vocal and instrumental ensembles
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, 309, Commercial and Electronic Music majors or permission of the 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

405 Senior Recital (1)
Public performance May be scheduled after hearing committee approval PREQ 305

406 Applied Minor (1, R3)
One 30-minute private lesson per week PREQ Two semesters of MUS 306

407 Applied Major (2, R6)
Applied music with one hour of private instruction and one hour master class each week Studio PREQ Audition or permission of the department head

410 History of American Musical Theatre (3)
A study of the development of the Musical in the United States, tracing its development from 17th Century sources (P5)

412 Teaching in the Private Studio (1)
Practical, ethical, and legal aspects of establishing a private music studio, including evaluation of appropriate pedagogical approaches and materials for individual instruction

413 Studies in Improvisation (1, R4)
Study of significant styles of improvisation through listening, analysis, and performance Additional credit may be earned at an advanced level or in a different style Lab PREQ 309, 319

417 Applied MIDI/Synthesis (2, R6)
Applied study of MIDI/Synthesis with one hour of private instruction and one hour of masterclass per each week PREQ Two semesters of MUS 317 and permission of instructor

418 Music History I Music Before(1)750 (3)
Music history from the roots of Western civilization to the end of the Baroque PREQ 318 or permission of instructor

419 Music History II Music after(1)750 (3)
Music history from the end of the Baroque to the present PREQ 319 or permission of 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 (2)
Study and application of gesture communication and analysis to choral conducting 3 Lab PREQ 329

429 Instrumental Conducting (2)
Application of techniques and analysis to instrumental conducting 3 Lab PREQ 329
468 Scoring for Film and Video (3)
- 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 182 or 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

483 Practicum in Commercial and Electronic Music (1-3)
- Project-based practicum in an on-campus work environment, 45 hours of work per hour of credit  
  PREQ Permission of instructor

489 Internship (3, 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  
  S/U grading  
  PREQ 378, permission of department head

491 Supervised Student Teaching in Music, K-12 (3)
- A full-time supervised teaching experience in Music  
  COREQ EDSE 490, 495

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)
- 2 Lab  
  PREQ Approval of instructor

498 Seminar in Accompanying (1, R4)
- 2 Lab  
  PREQ Approval of instructor

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)
- 605 Graduate Recital (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)
- 616 History of Musical Theory (3)
- 621 Orff-Schulwerk Level II (3)
- 622 Influences of Folk Traditions on Western Art Music (3)
- 624 Seminar in Music Pedagogy (3, R6)
- 630 Advanced Flute Repair (2, R8)
- 635 Ensemble (1, R6)
- 638 Lecture/Recital (3, R6)
- 639 Independent Study (1, R6)
- 640 Orff-Schulwerk Level III (3)
- 650 Orff-Schulwerk Level II (3)
- 660 Music Education Seminar (3)
- 662 Music Education Seminar (3)
- 663 Graduation Recital (1)
- 664 Graduation Recital (1)
- 665 Graduation Recital (1)
- 666 Graduation Recital (1)
- 667 Graduation Recital (1)
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- 698 Graduation Recital (1)
- 699 Graduation Recital (1)

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  
  (C5)
150 Career Opportunities in 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

210 Methods in Natural Resources Management (4)
Introduction to the data collection, analysis and presentation techniques used in Natural Resources Management  3 Lecture, 3 Lab

320 Soil Conservation (3)
Preservation, improvement, and utilization of soil resources for environmental management and productivity  2 Lecture, 2 Lab  PREQ 210 or 340, or permission of instructor

330 Introduction to Wildlife Ecology and Management (3)
Presents foundations of wildlife ecology and management  Topics include history and legislation, population dynamics, habitat, conservation, and sampling techniques  2 Lecture, 2 Lab  PREQ 210 or 340, or permission of instructor

340 Natural Resource Measurements (4)
Basic land, climatic, hydrologic, and vegetative measurements used in resource management  3 Lecture, 2 Lab

344 Introduction to Geographic Information Systems (4)
Introduction to and applications of geographic information systems in natural resources management  2 Lecture, 4 Lab

351 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  2 Lecture, 2 Lab  PREQ 210 or 340, or permission of instructor

352 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  2 Lecture, 2 Lab  PREQ 210 or 340, or permission of instructor

371 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  3 Lecture, 2 Lab  PREQ BIOL 140 and 141, NRM 210 or 340, or permission of instructor

389 Cooperative Education in NRM (1 or 3, R15)
See Cooperative Education Program

420 Soil Genesis and Classification (3)
Students will study the formation and classification of soils and relate their importance to resource management  2 Lecture, 2 Lab

440 Integrated Resources Management (4)
Natural resources management exercises, project and strategic planning, map and quantitative integration techniques, group dynamics  2 Lecture, 4 Lab  PREQ 210 or 340, 442, or permission of instructor

442 Natural Resources Policy and Administration (3)
Policy and administrative principles, case studies on the evolution of policy in the United States, current issues  PREQ Junior standing or permission of instructor

444 Applied Geographic Information Systems (4)
Enchances knowledge in the areas of data capture, database management, spatial analysis, and cartographic display  Project-based course capitalizing on the benefits of experiential learning  3 Lecture, 3 Lab  PREQ 344 or permission of instructor

451 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  3 Lecture, 2 Lab  PREQ 210 or 340, or permission of instructor
452 Forest Management (4)
- Principles of forest management at stand and forest levels, forest growth, regulation, harvesting, and multiple-use management 3 Lecture, 2 Lab  PREQ  210 or 340, or permission of instructor

460 Watershed Management (3)
- Principles of watershed management for analysis and control of water yield, timing, and quality in single- and multiple-use situations 2 Lecture, 2 Lab  PREQ  210 or 340, or permission of instructor

470 Land Suitability Classification (3)
- Study and application of land suitability classifications systems 2 Lecture, 2 Lab  PREQ  210 or 340, or permission of instructor

472 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 3 Lecture, 2 Lab  PREQ  BIOL 140, 141, NRM 210 or 340, and 344 or permission of instructor

480 Independent Study (1-3, R6)
- PREQ  NRM major and permission of instructor

483 Applications in Forest Management (1-3, R6)
- Students will participate in actual forest management activities in order to gain practical, hands-on experience in the design and implementation of forest management treatments  S/U grading

493 Topics in NRM (1-4, R12)
- PREQ  Permission of instructor

Graduate Courses

Nursing (NSG)

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 RN to BSN nursing sequence

302 Community Health Nursing I Theory (3)
- Concepts of population-focused nursing practice Protection and promotion of health for individuals, families, communities and aggregates  PREQ  Admission to the RN to BSN nursing sequence

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 (3)
- Psychomotor nursing skills, scientific principles and nursing procedures essential to the assessment and care of patients  2 Lecture, 3 Lab  PREQ  Permission of instructor

341 Nursing Pharmacotherapeutics I (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

342 Nursing Pharmacotherapeutics II (1)
- Core drug knowledge and client variables are applied to nursing management of drug therapy  PREQ  341  COREQ 355 and 385

350 Dimensions of Professional Nursing (2)
- The development of the profession and of professional nurse roles  1 Lecture, 1 Seminar  PREQ Admission to nursing major

353 Nursing Science I (5)
- Fundamental nursing processes and concepts, emphasis on health of clients across the lifespan  4 Lecture, 1 Seminar  PREQ  Admission to the nursing sequence  COREQ 383
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>357</td>
<td>Nursing Science II (4)</td>
<td>Concepts of health care, health promotion, illness care, and nursing roles in adult health acute care settings are presented. PREQ 340, 341, 350, 353, 383. COREQ 342, 387.</td>
</tr>
<tr>
<td>360</td>
<td>Health Care of Women (2)</td>
<td>Review of women’s health care, the functions of women’s bodies, and personal responsibility for health.</td>
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<tr>
<td>383</td>
<td>Clinical Practicum I (4)</td>
<td>Application of psychomotor skills, interpersonal and nursing processes to the care of individuals, emphasis on the nursing role in health maintenance. S/U grading 12 Lab. PREQ Junior standing. COREQ 353.</td>
</tr>
<tr>
<td>384</td>
<td>Practicum in Community Health Nursing (3)</td>
<td>Application of wellness concepts and health promotion in the nursing care of families and other groups in community settings. S/U grading 9 Lab. PREQ or COREQ 302.</td>
</tr>
<tr>
<td>389</td>
<td>Cooperative Education in Nursing (1 or 3, R15)</td>
<td>See Cooperative Education Program. PREQ 355.</td>
</tr>
<tr>
<td>393</td>
<td>Topics in Nursing (1-4, R12)</td>
<td>PREQ Permission of instructor.</td>
</tr>
<tr>
<td>399</td>
<td>Seminar: Professional Nursing Knowledge and Skills (2)</td>
<td>Registered nurse students demonstrate or provide documentary evidence of satisfactory level of competence in basic professional nursing knowledge and skills. S/U grading. PREQ Admission to the RN to BSN nursing sequence.</td>
</tr>
<tr>
<td>405</td>
<td>Gerontological Nursing (1-3)</td>
<td>The aging process, health assessment, and promotion in the aged, identification of frequent alternations in health and appropriate nursing interventions. PREQ.</td>
</tr>
<tr>
<td>460</td>
<td>Nursing Leadership and Management (3)</td>
<td>Leadership theory in the management of clients, peers, and other healthcare providers in nursing service settings. PREQ Admission to the RN to BSN nursing sequence.</td>
</tr>
<tr>
<td>461</td>
<td>Basic Nursing Leadership and Management (2)</td>
<td>Leadership theory in the management of clients, peers, and other healthcare providers in nursing service settings for the Pre-licensure nursing student. PREQ.</td>
</tr>
<tr>
<td>466</td>
<td>Nursing Science III (5)</td>
<td>Application of the nursing process for complex client models, including the childbearing family, the child and family, and the mentally ill client. PREQ 357, 387. COREQ 486.</td>
</tr>
<tr>
<td>468</td>
<td>Nursing Science IV (5)</td>
<td>Concepts of health care, health promotion, illness care, and nursing roles for clients with complex health care needs. PREQ 357 and 387. COREQ 488.</td>
</tr>
<tr>
<td>470</td>
<td>Nursing Research (3)</td>
<td>Research design in the study of nursing problems, interpretation of research emphasized. PREQ Permission of instructor.</td>
</tr>
<tr>
<td>475</td>
<td>Perspectives of the Nursing Profession (2)</td>
<td>The impact and implications of current and evolving trends on the future practice of nursing. 1 Lecture, 1 Seminar. PREQ.</td>
</tr>
<tr>
<td>478</td>
<td>Intermediate Physical Assessment (4)</td>
<td>Focus on developing assessment skills for conducting a health status examination on the adult client. PREQ. Registered nurse or senior nursing student.</td>
</tr>
<tr>
<td>480</td>
<td>Independent Study (1-3, R6)</td>
<td>S/U grading. PREQ Permission of instructor.</td>
</tr>
<tr>
<td>482</td>
<td>Readings in Nursing (3)</td>
<td>PREQ Permission of instructor.</td>
</tr>
</tbody>
</table>
483 Practicum in Clinical Management (3)
Application of management principles in the care of clients with complex health problems S/U grading 9 Lab COREQ 460 or permission of instructor

486 Clinical Practicum III (4)
Application of nursing strategies to the care of the child-bearing family, the child and family, and the mentally ill client S/U grading 12 Lab PREQ 357, 387 COREQ 466

488 Clinical Practicum IV (6)
Care of populations with complex health care needs, with focus on illness prevention and health promotion PREQ 357 and 387 COREQ 468

Graduate Courses
501 Adv/ Practice Nursing Roles and Professional Issues (2)
510 Theory for Advanced Practice Nursing (2)
673 Reproductive Health and the Child-bearing Family (3)
511 Research for Advanced Practice Nursing (3)
516 Economics and Organization of Health Care (2)
517 Pathophysiology for the Adv Practice Nurse (3)
622 Advanced Pharmacology (4)
623 Advanced Health/Physical Assessment (3)
624 Family Health Prom in the Rural Community (2)
625 Clinical Management I (1)
627 Adv Practice Nursing Diagnostics and Procedures (2)
651 Teaching/Learning in Nursing Education (3)
652 Curriculum Development (3)
660 Psychosocial and Spiritual Issues in Chronic Illness (3)

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

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

239 Dietetics as a Profession(1)
Introduction to professional ethics, conduct in-patient care, structure of the American Dietetic Association, and current issues in the profession of dietetics

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

310 Food, Nutrition, and Culture (3)
Exploration of the role of cultural diversity in formation of food habits with focus on changes in U S dietary patterns related to global cultural plurality (P6)

320 Nutrition in Athletics (3)
Students will learn to integrate basic concepts of nutrition, energy metabolism and exercise physiology to understand nutritional requirements in exercise

330 Human Nutritional Needs (3)
Principles of nutrition, needs throughout the life cycle, selection of well-balanced diets for health and well-being

333 Quantity Food Production (3)
Application of principles of food preparation in large quantities, use of institutional equipment and procedures, introduction of institutional food service production management techniques 2 Lecture, 3 Lab PREQ 231

334 Nutritional Applications (3)
Applications of the principles of nutrition to diet planning, nutrient analysis, including computer-aided analysis, and nutritional assessment and counseling PREQ 330
<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Prerequisites</th>
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<tbody>
<tr>
<td>402</td>
<td>Nutrition Through the Life Cycle (3)</td>
<td>Application of nutrition principles during different stages of the life, including preconception, pregnancy, lactation, infancy, preschool years, middle childhood, adolescence, adulthood and late maturity</td>
<td>PREQ 330</td>
</tr>
<tr>
<td>338</td>
<td>Normal and Therapeutic Nutrition (3)</td>
<td>Principles of normal human nutrition, altered nutrient requirements of disease states, and medical nutrition therapy</td>
<td>PREQ BIOL 292, CHEM 133</td>
</tr>
<tr>
<td>340</td>
<td>Community Nutrition (3)</td>
<td>Application of nutrition principles to planning funding implementation, monitoring and evaluation of community nutrition programs and activities</td>
<td>PREQ 330</td>
</tr>
<tr>
<td>339</td>
<td>Cooperative Education in Nutrition (1 or 3, R15)</td>
<td>See Cooperative Education Program</td>
<td></td>
</tr>
<tr>
<td>342</td>
<td>Institutional Food Systems (3)</td>
<td>Functions of management applied to food service systems, emphasis on food service equipment, layout and design, menu development, procurement, and production management</td>
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<tr>
<td>343</td>
<td>Research Methods in Nutrition (3)</td>
<td>Standard procedures for nutrient analysis, including proximate analysis of foods, introductory experimental design and methodology</td>
<td>2 Lecture, 4 Lab PREQ MATH 170 or PSY 251</td>
</tr>
<tr>
<td>439</td>
<td>Introduction to Professional Practice (1)</td>
<td>Introduction to professional ethics, conduct in patient care, utilization of laboratory values, nutritional assessment, and dietary management</td>
<td>PREQ Permission of instructor</td>
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<tr>
<td>441</td>
<td>Human Metabolism I (3)</td>
<td>Normal nutrition in relation to biochemical and physiological functioning of macronutrients and their interrelationships</td>
<td>PREQ 334, BIOL 292, and CHEM 133</td>
</tr>
<tr>
<td>442</td>
<td>Human Metabolism II (3)</td>
<td>Normal nutrition in relation to biochemical and physiological functioning, interrelationships of nutrients with emphasis on vitamin and mineral pathways</td>
<td>PREQ 441</td>
</tr>
<tr>
<td>451</td>
<td>Therapeutic Nutrition I (3)</td>
<td>Mechanisms by which diet contributes to maintenance of health, prevention and a treatment of diseases of the GI tract, liver disease, and cardiovascular disease</td>
<td>PREQ 334, BIOL 292 and CHEM 133</td>
</tr>
<tr>
<td>452</td>
<td>Therapeutic Nutrition II (3)</td>
<td>Mechanisms by which diet contributes to maintenance of health, prevention and treatment of diabetes, renal disease, cancer, and pulmonary diseases</td>
<td>PREQ 451</td>
</tr>
<tr>
<td>453</td>
<td>Therapeutic Nutrition Laboratory(1)</td>
<td>An application of information received in ND 452, foods lab preparation of modified diets, field trips to hospitals, mock charts, and case studies</td>
<td>3 Lab COREQ 452</td>
</tr>
<tr>
<td>480</td>
<td>Independent Study in Nutrition (1-3, R6)</td>
<td>PREQ Permission of instructor</td>
<td></td>
</tr>
<tr>
<td>483</td>
<td>Internship (3)</td>
<td>Integration of theory and practice in a setting appropriate to the student’s career field S/U grading 9 hours per week per course</td>
<td>PREQ Permission of instructor</td>
</tr>
<tr>
<td>484</td>
<td>Internship (3)</td>
<td>Integration of theory and practice in a setting appropriate to the student’s career field S/U grading 9 hours per week per course</td>
<td>PREQ Permission of instructor</td>
</tr>
<tr>
<td>485</td>
<td>Internship (3)</td>
<td>Integration of theory and practice in a setting appropriate to the student’s career field S/U grading 9 hours per week per course</td>
<td>PREQ Permission of instructor</td>
</tr>
<tr>
<td>495</td>
<td>Seminar in Nutrition (1)</td>
<td>Student presentations on current topics in nutrition PREQ 436</td>
<td></td>
</tr>
</tbody>
</table>
Graduate Courses
- 533 Research Methods in Nutrition (3)
- 630 Nutrition Throughout the Life Cycle (3)
- 635 Nutrition Education (3)
- 636 Protein, Carbohydrates, and Lipids (3)
- 637 Advanced Diet Therapy (3)
- 639 Vitamins and Minerals (3)

- 640 Advanced Nutrition in Athletics (2)
- 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)

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

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

330 Aquatic Recreation Management (3)
Organization, programming, facility design, and maintenance in various aquatic recreational environments. Course may lead to Certified Pool Operator certification. This course is cross-listed with SM 330

340 Challenge Course Facilitation (3)
Behavior change, instruction, and personal growth taught in a challenge course setting. Includes operation of a ropes course, facilitation of activities, course technology and safety. 2 Lecture, 2 Lab

352 Beginner/Intermediate Canoe and Kayak (3)
Water-based outdoor pursuits instruction in canoeing, kayaking, and basic rescue techniques

356 Outdoor First Aid (4)
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

360 Recreation Research (3)
An analysis of the principle methods of recreation research, the application of descriptive and inferential statistics to recreation research, and the development of a research proposal

361 Program Planning and Evaluation in Parks and Recreation Management (4)
Designed to equip students with a variety of program planning methodologies, including proposal and grant writing. Evaluative research methods are also included. 3 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. 2 Lab

PREQ 361 or permission of instructor

383 Internship in Parks and Recreation Management (1-3, R3)
S/U grading. 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 2 Lecture, 2 Lab
PREQ 254 or permission of instructor

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 2 Lecture, 2 Lab
PREQ 254 or permission of instructor

426 Water-Based Outdoor Pursuits Education (4)
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 3 Lecture, 2 Lab
PREQ 254 or permission of instructor

427 Wilderness Education (3-6)
An expedition style course, leader decision-making is taught through backpacking, mountaineering and canoeing National certification is possible through the Wilderness Education Association
Eight or sixteen day expedition

430 Entrepreneurship and Commercial Recreation (3)
Analsys 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)
Practical experience in creation, planning, logistics, execution, and evaluation of adventure travel Overview of history, development, organization, impacts and trends 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)
Exploration of recreation-based tourism, national and international, demographics, economic, cultural, and environmental impacts, trends and research

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)
Placement in a cooperating agency to relate classroom learning to practice S/U grading 9 hours per week per course

484 Internship in Parks and Recreation Management (3)
Placement in a cooperating agency to relate classroom learning to practice S/U grading 9 hours per week per course

485 Internship in Parks and Recreation Management (3)
Placement in a cooperating agency to relate classroom learning to practice S/U grading 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 1-12 Lab
PREQ Permission of instructor

493 Topics in Parks and Recreation Management (1-3, R6)
1 Lecture, 2 Lab
PREQ Permission of program coordinator
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

Graduate Courses
580 Independent Study (1-3, R6)
593 Topics in Parks and Recreation Management (1-3, R6)

Philosophy and Religion (PAR)

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)

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)

190 Freedom, Culture, and Utopia (3)
Study of classic utopian visions of ideal societies, along with criticisms arising from the implications for human freedom in such communities - Seminar

202 What is Religion? (3)
A reflection upon the methodologies (historical, socio-psychological) used in the modern scholarly study of religion, and theories about the origins and nature of religion (P6)

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)

211 Understanding Islamic Traditions (3)
The religious history of Islam, the beliefs and practices of Muslims, Islamic mysticism, the vitality of Islam, contemporary tensions and interpretations (P6)

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)

230 Legal, Scientific, & 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)

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)

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 From Existentialism to Feminism (3)
Philosophical ideal of freedom as found in German Idealism and Romanticism, and its subsequent development and critique in Marxism, existentialism, postmodernism, and feminism (P4)
308 From Pragmatism to Postmodernism (3)
The development of philosophy in England and America in the 19th and 20th centuries, with particular emphasis on William James and Ludwig Wittgenstein (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 (P1)

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)

323 Mysticism and the Modern Mind (3)
Study of the varied meanings of mysticism in thought, religion, and culture (P6)

324 Contemporary Religious Classics (3)
The spiritual insights of different 20th-century individuals and cultures, as portrayed in quests and experiences of life and death, love and suffering, or “the sacred” (P6)

325 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)

326 Religion and Science God’s Law and the 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)

327 Native American Religions (3)
An interdisciplinary study of indigenous religious beliefs in North America using anthropological, linguistic, as well as religious studies to study North American Religious traditions (P6)

330 America’s Wilderness Ethics and Aesthetics (3)
Investigates how the American conception of “wilderness” has evolved and the consequences for wilderness preservation, ecological, and aesthetic appreciation of the wild (P4)

332 Biomedical Ethics and Social Justice (3)
Ethical theories surrounding autonomy, beneficence, justice, applied to concepts of health, disease, and personhood, patient-provider relationship, life-death issues, health policy, genetic engineering, and biomedical research (P1)

333 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?” (P1)

334 Biotechnology and Society (3)
An exploration of the ethical and legal issues raised by recent innovations in biotechnology, emphasizing forensic genetics, human genetic engineering and agricultural biotechnology (GMOs) Cross listed with BIOL 334 No credit for BIOL 334 (P1)

350 Philosophical and Religious Classics (3)
An exploration of a seminal text or thinker in philosophical or religious thought (P4)
Independent Study (1-3, R6)

Morality, Conflict, and Community (3)
Upper-level study of recent debates in moral theory about the best ways to live, and relevant human features that establish flourishing and community. Philosophy major or by permission of instructor.

Topics in Philosophy and Religion (1-3, R6)
PREQ Permission of instructor

Seminar in Philosophy and Religion (3, R9)
PREQ 6 hours in philosophy, excluding 101 and 201, or permission of instructor

Graduate Courses

Topics in Philosophy and Religion (1-3, R6)

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

Water Safety Instructor-Lifeguarding Instructor (2)
American Red Cross training for water safety instructor and lifeguarding instructor certificates. 3 meetings. PREQ Life guard certification or permission of instructor

Synchronized Swimming (1)
Creative patterns and movement with music. 2 meetings. PREQ 103 or equivalent

Canoeing (1)
One 2-hour meeting. PREQ 103 or equivalent

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

Aerobic Dance (1)
A physical fitness program utilizing simple dance routines and exercises. 2 meetings

Beginning Tennis (1)
2 meetings

Beginning Golf (1)
2 meetings

Handball (1)
One-wall and four-wall handball. 2 meetings

Racquetball (1)
One-wall and four-wall racquetball. 2 meetings

Bowling (1)
2 meetings

Lifeguard Training (2)
American Red Cross outline for lifeguarding certificate. 3 meetings

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  

204 Snow Sports (1)  
Introduction, practice, and successful execution of the skills needed to enjoy alpine skiing or snowboarding. On-snow instruction at local snowpark areas. 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  

228 Adapted Physical Education (1, R3)  
Remedial and therapeutic activities  2 meetings  PREQ Permission of instructor and recommendation of a physician  

231 Aquarobics (1)  
Pool-based nonswimming aerobic activity for all ages and fitness levels  2 meetings  

240 Care and Prevention of Athletic Injuries (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  

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  COREQ 353  

264 Skill Acquisition (1)  
The course emphasizes skill acquisition in tumbling, gymnastics and swimming  2 meetings  

265 Sports Officiating I, (2)  
Rules, techniques, and mechanics in sports officiating, football, softball, baseball in 265, basketball, volleyball, soccer in 266  

267 Principles of Athletic Coaching (3)  
The role of the athletic coach in the management of an athletic program, and in the supervision and instruction of athletes within an athletic program  

311 Measurement and Evaluation (3)  
Assessment in K-12 health and physical education, including tests of fitness, skill and motor performance, measuring the cognitive and affective domains, and grading procedures  

312 Foundations of Health and Physical Education (3)  
The basic physiological, psychological, and sociological principles and historical foundations  

325 Physical Education Curriculum and Methods (3)  
Class management, teaching methods, and program content for grades K-12  PREQ Must be admitted to the professional education sequence  COREQ 488  

335 Anatomy and Physiology (3)  
The study of the structure and function of the human body
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Pre-requisites/Co-requisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>345</td>
<td>Physical Education for Children (3)</td>
<td>Developmental approach to physical education for the elementary school program PREQ 256, COREQ 346 or permission of instructor</td>
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</tr>
<tr>
<td>346</td>
<td>Rhythmic Fundamentals (2)</td>
<td>A competency based course of methods and materials in rhythmical movement COREQ 345 or permission of instructor</td>
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</tr>
<tr>
<td>353</td>
<td>Methods and Teaching Analysis of Team Sports (3)</td>
<td>Methods, materials, and skills used in teaching sports basketball, soccer, softball, speedball, and volleyball COREQ 256</td>
<td></td>
</tr>
<tr>
<td>354</td>
<td>Methods and Teaching Analysis of Dual and Individual Sports (3)</td>
<td>Methods, materials, and skills used in teaching sports badminton, golf, racquetball, tennis, and track and field PREQ 353</td>
<td></td>
</tr>
<tr>
<td>360</td>
<td>Skills in Promoting Healthful Living (1)</td>
<td>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</td>
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<tr>
<td>361</td>
<td>Physical Education for the Elementary Teacher (1)</td>
<td>A competency-based course of methods and materials in physical education for the elementary school program 3 per week for 5 weeks</td>
<td></td>
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<tr>
<td>365</td>
<td>Physical Activity and Aging (3)</td>
<td>This course will provide students with an understanding of the role physical activity plays in increasing health, wellness, and decreased disability as a person ages</td>
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</tr>
<tr>
<td>375</td>
<td>Psychological Aspects of Physical Activity (3)</td>
<td>The psychological and sociological aspects of physical activity as they relate to individuals, cultural values, and societal institutions</td>
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</tr>
<tr>
<td>380</td>
<td>Independent Study (1-3)</td>
<td>A topic in health, physical education, or recreation agreed upon by student and instructor PREQ ENGL 102, permission of department head</td>
<td></td>
</tr>
<tr>
<td>383</td>
<td>Instructional Apprenticeship (1, R3)</td>
<td>Apprenticeship to develop teaching and leadership skills before student teaching 3 hours per credit hour PREQ Physical education major, permission of instructor</td>
<td></td>
</tr>
<tr>
<td>389</td>
<td>Cooperative Education in PE and Sports (1 or 3, R15)</td>
<td>See Cooperative Education Program</td>
<td></td>
</tr>
<tr>
<td>405</td>
<td>Adventure Education (1)</td>
<td>Adventure education and wilderness leadership Use of games, intuitive problem-solving activities, trust building activities and challenge or peak experiences in educational settings PREQ Permission of instructor</td>
<td></td>
</tr>
<tr>
<td>410</td>
<td>Coaching Baseball and Football (3)</td>
<td>History, methods, materials, skills, and strategies of coaching baseball and football PREQ Junior-level standing,</td>
<td></td>
</tr>
<tr>
<td>411</td>
<td>Coaching Basketball, Track, and Field (3)</td>
<td>Methods, materials, skills, and strategies for women’s and men’s basketball and track and field PREQ Junior-level standing,</td>
<td></td>
</tr>
<tr>
<td>423</td>
<td>Kinesiology (3)</td>
<td>Structure and function of the human muscular system as related to sports and activities PREQ PE 335 or BIOL 291 and 292</td>
<td></td>
</tr>
<tr>
<td>424</td>
<td>Physical Education for the Exceptional Child (3)</td>
<td>Overview of current concepts and trends in adapted physical education Topics include legal rights, disabilities, assessment, planning, and physical activities for exceptional children 3 Lecture, 1 Lab PREQ 256 or permission of instructor</td>
<td></td>
</tr>
<tr>
<td>425</td>
<td>Exercise Physiology (3)</td>
<td>The study of the acute and chronic effects of exercise on the human body PREQ 335 or ATTR 210</td>
<td></td>
</tr>
</tbody>
</table>
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

488 Physical Education Internship I (2)
A part-time internship in high school physical education COREQ 325

489 Physical Education Internship II (9)
A full-time internship in elementary or middle school physical education COREQ 496

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 Seminar in Physical Education (3)
Linking theory to practice during the physical education yearlong seminar COREQ 489

Graduate Courses
- 520 Leadership and Administration of Outdoor Pursuits (3)
- 583 Physical Education Advanced Internship (9)
- 596 Seminar in Physical Education (3)
- 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 (3)
- 665 Exercise Testing and Prescription (3)
- 673 Issues in Intramurals and Athletics (3)
- 676 Research Techniques in Exercise Physiology (3)
- 694 Special Problems (1-3, R9)
- 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

400 Complimentary and Integrative Therapies (3)
Broad overview of the history, development, terminology, research and implementation of complimentary and integrative therapies (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)
- 620 Promoting Optimal Physical Function in Older Adults (3)
- 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)

- 661 Motor Behavior I
- 665 Phys Care & Management of Studs Disabilities (3)
- 680 Directed Independent Study (1-3, R9)
- 683 Experiential Professional Activities I and II (2, 2)
- 684 Experiential Professional Activities 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 I and II (3, 10)
- 784 Experiential Professional Activities I and II (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 (C5)
<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Description</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>130</td>
<td>Introductory Physics I (4)</td>
<td>Noncalculus-based treatment of motion, force, energy, and heat 3 Lecture, 2 Lab (Lecture-3 credits, Lab 1 credit) (Lab is required) COREQ PHYS 130 lecture and PHYS 130 lab</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>131</td>
<td>Introductory Physics II (4)</td>
<td>A continuation of PHYS 130 covering electricity, magnetism, optics, and modern physics 3 Lecture, 2 Lab (Lecture 3 credits, Lab 1 credit) (Lab is required) PREQ PHYS 130 COREQ PHYS 131 lecture and PHYS 131 lab</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>Perspectives on Physics and Technology (1)</td>
<td>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</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>230</td>
<td>General Physics I (4)</td>
<td>Calculus-based study of motion, force, energy, wave motion, and thermodynamics 3 Lecture, 3 Lab (Lecture-3 credits, Lab-1 credit) (Lab is required) PREQ MATH 152 or MATH 153 COREQ PHYS 230 lecture and PHYS 230 lab</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>231</td>
<td>General Physics II (3-4)</td>
<td>A continuation of PHYS 230 covering electricity, magnetism, optics, and modern topics 3 Lecture, 3 Lab (Lecture 3 credit, Lab 1 credit) (231 Lab is not required for Electrical Engineering Majors) PREQ PHYS 230</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>302</td>
<td>Electronics (4)</td>
<td>Circuit theory, discrete devices, amplifiers, operational amplifiers, integrated circuits, and digital techniques 3 Lecture, 3 Lab PREQ 131 and a course in differential and integral calculus</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>310</td>
<td>Modern Physics (3)</td>
<td>Special relativity, quantum physics, the wave nature of matter, atomic and nuclear structure, and elementary particles PREQ 131 or 231, MATH 140 or 153</td>
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<tr>
<td>320</td>
<td>Mathematical Methods of Physics (3)</td>
<td>Complex numbers and functions, series, Fourier series, cylindrical and spherical polar coordinate systems, ordinary and partial differential equations PREQ 131 or 231, MATH 255</td>
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<tr>
<td>322</td>
<td>Optics (3)</td>
<td>Geometrical and physical optics, introduction to quantum optics PREQ 131, MATH 252 or MATH 255</td>
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<tr>
<td>325</td>
<td>Thermodynamics (3)</td>
<td>Classical theory of heat, first and second laws of thermodynamics, enthalpy, entropy, introductory kinetic theory, and statistical thermodynamics PREQ 131, MATH 256</td>
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<td>330</td>
<td>Geophysics (4)</td>
<td>The physics of the Earth Topics include theory and applications of gravity, magnetism, electricity, and seismicity to environmental and tectonic problem-solving in geology Field-oriented lab problems and applications This course is cross-listed with GEOL 330 3 Lecture, 3 Lab PREQ 130 or 230 COREQ 131 or 231</td>
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<td>335</td>
<td>Astrophysics (3)</td>
<td>Introduction to the basic principles of astrophysics, stellar structure, stellar evolution, galactic astronomy PREQ 231 or 131, MATH 256</td>
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<td>Laboratory Physics (2)</td>
<td>Intermediate experiments in modern physics PREQ 131 or 231</td>
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<td>380</td>
<td>Research in Physics (2, R8)</td>
<td>Physics research projects for individual students PREQ Permission of instructor</td>
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<td>389</td>
<td>Cooperative Education in Physics (1 or 3, R15)</td>
<td>See Cooperative Education Program</td>
<td>1 or 3</td>
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<tr>
<td>410</td>
<td>Classical Mechanics (3)</td>
<td>Topics in analytical mechanics using vector operators and differential equations PREQ 320 or MATH 256</td>
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</tbody>
</table>
412 Nuclear Physics (3)
Nuclear decay, models, reactions, fission, fusion, lab techniques of instrumentation, gamma spectra, particle techniques 2 Lecture, 3 Lab PREQ 131 or 231 and a course in differential and integral calculus

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 Computer Interfacing (3)
Digital logic, computer design, and interfacing with laboratory instruments This course is cross-listed with CHEM 454 2 Lecture, 3 Lab PREQ Permission of instructor

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)

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

110 Global Issues (3)
How globalization as a cultural and economic process is transforming contemporary society (P6)

150 American Government and Politics (3)
The American political system, introduction to government institutions and how politics shapes policies (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

215 European Political Systems (3)
Comparison of the political systems of selected nations

216 Politics of Developing Areas (3)
Comparative analysis of developmental processes pursued through political, military, economic, and administrative structures of Third World nations, case studies

219 Latin American Political Systems (3)
Institutions, groups, parties, and processes, problems of political development, modernization, and change

241 International Politics (3)
Components and characteristics of the international political system, conflict and cooperation in international relations, changing nature of international behavior

242 International Organization (3)
Global and regional organizations promoting settlement of disputes, collective security, economic development, human rights, and self-government

250 Introduction to Political Science (1)
An introduction to the Political Science discipline for majors and prospective majors, explores subfields and career paths and opportunities S/U grading
260 Judicial Process (3)
- The process of judicial decision making
- The institutional and political constraints on judicial behavior
- Judicial decision making as a tool of interpretation and impact

270 Popular Culture in American Politics (3, R6)
- The role and influence of culture in and on American politics
- The interplay between culture and politics examined through texts, novels, written media, and film

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 advisors, 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)
- An examination of the United States Constitution in substance and its role in defining and shaping
- the American political system and American culture

317 Politics of East Asia (3)
- Selected political systems of East Asia, factors involved in political change and modernization

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
414

348 Political Analysis (3)
Research methods and theoretical approaches for describing, explaining, and solving domestic and foreign policy problems PREQ 150 or permission of instructor

349 Civic Learning (1)
Participate in a service learning experience and analyze its relationship to public policy S/U grading Must be a declared Political Science major or second major

350 Advanced Writing in Political Science (1)
Using a course paper, work with a faculty member to prepare the paper for presentation or publication submission S/U grading Must be a declared Political Science major or second major

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

405 Methods for Teaching Social Sciences (3)
Methods, materials, curriculum, and trends in teaching secondary social sciences Field experience required PREQ EDSE 322, admission to teacher education, 2.75 GPA in major

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

415 Contemporary British Politics (3)
Comparison and contrast of the British political system Special attention will be paid to evolution, structure, and current national issues (P6)

416 British Legal Studies (3-6, R6)
The British Legal System, rules and practices relating to such matters as structure, jurisdiction, and individual rights

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

450 Portfolio (1)
Student prepares portfolio S/U grading

480 Readings in Political Science (3, R6)
PREQ Departmental permission

483 Internship in Political Science (3)
Work experience in a government or community agency applying academic studies to practice S/U grading 9 hours per week per course PREQ Permission of department head

484 Internship in Political Science (3)
Work experience in a government or community agency applying academic studies to practice S/U grading 9 hours per week per course PREQ Permission of department head

485 Internship in Political Science (3)
Work experience in a government or community agency applying academic studies to practice S/U grading 9 hours per week per course PREQ Permission of department head

493 Topics in Contemporary Political Systems (3, R6)
Problems in the structure and functions of selected political systems reflected against their political cultures
Graduate Courses

494 Seminar: American Political Systems (3, R6)
Current issues in American government and politics

507 American Political Parties (3)
508 Southern Politics (3)
516 British Legal Studies (3-6, R6)
517 Contemporary British Politics (3)
521 Political and Organizational Leadership (3)
536 Dynamics of World Order (3)

Project Management (PM)

Graduate Courses

500 Tools for Financial Management (2)
505 Intro Statistics and Microeconomics (2)
515 Legal and Ethical Issues (2)
560 Project Management Systems (6)
562 Project Plan Development (6)

580 Reading in Political Science (3)
593 Contemporary Political Systems (3, R6)
595 Seminar: The American Political System (3)
669 Legal Issues in Public Affairs (3)
693 Topics in Political Science (1-6, R9)

516 British Legal Studies (3-6, R6)
517 Contemporary British Politics (3)
521 Political and Organizational Leadership (3)
536 Dynamics of World Order (3)

Psychology (PSY)

150 General Psychology (3)
Introduction to psychology, the scientific study of behavior and mental processes. Includes topics in social, abnormal, health, clinical, developmental, biological, and experimental psychology (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

210 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

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

270 Evolutionary Psychology (3)
How natural selection has shaped human patterns of thinking, feeling, and behaving. Mate selection and strategies, parenting, formation of alliances, altruism, aggression and warfare. PREQ 150

271 Research Design and Data Analysis I (3)
Introduction to non-experimental research and statistics analysis, observational, survey, and correlational research methods, descriptive and inferential statistical analysis. PREQ 150 or permission of instructor

272 Research Design and Data Analysis II (3)
Continuation of PSY 271, introduction to single-factor and factorial experimental and quasiexperimental research designs, inferential statistical analysis through 2-way ANOVA. PREQ 271 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

13 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.

325 Development Early Adulthood through Maturity (3)
Physiological, cognitive, emotional, psychological, and social development from college age through adulthood. 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)
Psychological, biological, social, and legal aspects of sexuality (P1). PREQ Junior or senior status.

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 (P1). PREQ Junior or senior status.

375 Forensic Psychology (3)
Introduction to the field of forensic psychology. Key topics include forensic evaluations, expert testimony, ethics, assessment of malingering, and competence to stand trial. PREQ Junior or senior status.

389 Cooperative Education in Psychology (1 or 3, R15)
See Cooperative Education Program.

393 Topics in Psychology (3, R12)

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.
417

**417 Health Psychology (3)**
Pyschological 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 Cognitive Psychology (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**

**452 Software Methods for Research and Data Analysis (3)**
Introduction to the development of software applications that store, manipulate, and analyze data, and automate the execution of various psychological research designs.

**455 History of 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 Introduction to Clinical and Counseling 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, junior-senior status**

**480 Research in Psychology (1-6, R6)**
Supervised research experiences for advanced students. S/U grading. **PREQ 150, 271, 272, permission of instructor**

**483 Internship in Psychology (3)**
Application of theory, methods, and techniques in a cooperating agency under faculty supervision. 9 hours applicable to major. 10 hours per week per course. **PREQ 2.0 GPA, 20 hours of psychology, and a course in methods of counseling, or permission of instructor**

**484 Internship in Psychology (3)**
Application of theory, methods, and techniques in a cooperating agency under faculty supervision. 9 hours applicable to major. 10 hours per week per course. **PREQ 2.0 GPA, 20 hours of psychology, and a course in methods of counseling, or permission of instructor**

**485 Internship in Psychology (3)**
Application of theory, methods, and techniques in a cooperating agency under faculty supervision. 9 hours applicable to major. 10 hours per week per course. **PREQ 2.0 GPA, 20 hours of psychology, and a course in methods of counseling, or permission of instructor**

**486 Internship in Psychology (3)**
Application of theory, methods, and techniques in a cooperating agency under faculty supervision. 9 hours applicable to major. 10 hours per week per course. **PREQ 2.0 GPA, 20 hours of psychology, and a course in methods of counseling, or permission of instructor**

**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 272 or permission of instructor**
### Graduate Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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<tbody>
<tr>
<td>510</td>
<td>Individual Psychology</td>
<td>3</td>
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<tr>
<td>526</td>
<td>Death and Dying</td>
<td>3</td>
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<tr>
<td>530</td>
<td>Personality</td>
<td>3</td>
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<tr>
<td>540</td>
<td>Biological Psychology</td>
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<td>541</td>
<td>Health Psychology</td>
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<td>544</td>
<td>Cognitive Psychology</td>
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<td>Human Neuropsychology</td>
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<td>555</td>
<td>History of Psychology</td>
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<td>570</td>
<td>Abnormal Psychology</td>
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<td>574</td>
<td>The Emotionally Disturbed Child and Adolescent</td>
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<td>Advanced Social Psychology</td>
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<td>Advanced Educational Psychology</td>
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<td>Child and Adolescent Development</td>
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<td>Adolescent Development</td>
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<td>626</td>
<td>Adulthood and Aging</td>
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<td>648</td>
<td>Advanced Neuropsychological Assessment</td>
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<td>Advanced General Psychology</td>
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<td>651</td>
<td>Advanced Research Methods Statistics</td>
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<td>652</td>
<td>Advanced Research Methods Design and Comm</td>
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<td>661</td>
<td>Psychological Assessment I</td>
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<td>662</td>
<td>Personality Assessment</td>
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<td>Assessment and Intervention w/Preschool Children</td>
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<td>Psychological Assessment II</td>
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<td>Advanced Psychopathology</td>
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<td>Psychotherapy I Theories</td>
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<td>Professional Issues</td>
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<td>Advanced Child Psychopathology</td>
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<td>Cognitive Behavioral Interventions</td>
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<td>Psychotherapy II Techniques</td>
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<td>Family Systems</td>
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<td>679</td>
<td>Survey of Clinical Psychology</td>
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<td>680</td>
<td>Directed Study in Psychology</td>
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<td>697</td>
<td>Seminar Behavioral/Emotional Eval Child</td>
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<td>698</td>
<td>Rorschach Seminar</td>
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### Public Affairs (PA)

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<td>571</td>
<td>Government-Business Relations</td>
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<td>572</td>
<td>Public Policy Formulation</td>
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<tr>
<td>580</td>
<td>Readings in Public Affairs</td>
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<tr>
<td>640</td>
<td>Environmental Politics and Policy</td>
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<td>650</td>
<td>The Nonprofit Sector</td>
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<td>660</td>
<td>Comparative Public Policy</td>
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<td>669</td>
<td>Legal Issues in Public Affairs</td>
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<td>Public Affairs Administration</td>
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<td>671</td>
<td>Budgetary Processes</td>
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<td>672</td>
<td>Public Organizational Theory</td>
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<td>673</td>
<td>Public Policy Analysis</td>
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<td>Research Methods for Public Affairs</td>
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<td>675</td>
<td>State and Local Governance</td>
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<td>676</td>
<td>Government and Press Relations</td>
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<td>Public Personnel Management</td>
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<td>678</td>
<td>The Environment of Public Management</td>
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<td>685</td>
<td>Internship in Public Affairs</td>
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<td>Topics in Public Affairs</td>
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### Reading (EDRD)

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<tr>
<td>303</td>
<td>Literature for Children and Youth</td>
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<td>323</td>
<td>Reading and Communication Skills in Content Areas</td>
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<td>334</td>
<td>Reading Instruction in the Elementary School</td>
<td>3</td>
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<td>389</td>
<td>Cooperative Education in Reading</td>
<td>1 or 3</td>
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<td>443</td>
<td>Middle Grades Reading</td>
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<tr>
<td>453</td>
<td>High School and Adult Reading</td>
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**Graduate Courses**

510 Individual Psychology (3)
526 Death and Dying (3)
530 Personality (3)
540 Biological Psychology (3)
541 Health Psychology (3)
544 Cognitive Psychology (3)
548 Human Neuropsychology (3)
555 History of 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 and Adolescent Development (3)
625 Adolescent Development (3)
626 Adulthood and Aging (3)
648 Advanced Neuropsychological Assessment (3)
650 Advanced General Psychology (3)
651 Advanced Research Methods Statistics (3)
652 Advanced Research Methods Design and Comm (3)
661 Psychological Assessment I (4)
662 Personality Assessment (3)
663 Assessment and Intervention w/Preschool Children (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 Cognitive 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, R9)
683 Internship in Psychology (6)
684 Internship in Psychology (6)
686 Practicum in Psychology (1-4, R12)
693 Topics in Psychology (3, R9)
697 Seminar Behavioral/Emotional Eval Child (3)
698 Rorschach Seminar (3)
699 Thesis (3, R6)
999 Continuing Research—Thesis Option (2, R24)

**Public Affairs (PA)**

571 Government-Business Relations (3)
572 Public Policy Formulation (3)
580 Readings in Public Affairs (3)
640 Environmental Politics and Policy (3)
650 The Nonprofit Sector (3)
660 Comparative Public Policy (3)
669 Legal Issues in Public Affairs (3)
670 Public Affairs Administration (3)
671 Budgetary Processes (3)
672 Public Organizational Theory (3)
673 Public Policy Analysis (3)
674 Research Methods for Public Affairs (3)
675 State and Local Governance (3)
676 Government and Press Relations (3)
677 Public Personnel Management (3)
678 The Environment of Public Management (3)
685 Internship in Public Affairs (3)
693 Topics in Public Affairs (3, R9)
779 Continuing Research—Non-Thesis Option (1, R10)

**Reading (EDRD)**

150 College Reading and Vocabulary (3)
303 Literature for Children and Youth (3)
323 Reading and Communication Skills in Content Areas (2)
334 Reading Instruction in the Elementary School (3)
389 Cooperative Education in Reading (1 or 3, R15)
443 Middle Grades Reading (3)
453 High School and Adult Reading (3)
467 Adolescent Literature (3)
The reading development and reading interests of adolescents, criteria for evaluation, instructional strategies, study of a wide range of books

474 Practicum in Teaching Reading (3)
Assessment of reading problems and strategies for teaching reading 2 Lecture, 2 Lab PREQ 334 or 443 and admission to the professional education sequence

Graduate Courses
520 Phonics and Word Analysis (3) 631 Smoky Mountain Language and Literacy Institute (3, R9)
543 Middle Grades Reading (3) 651 Clinical Procedures in Remedial Reading (3)
553 High School and Adult Reading (4) 661 Issues and Trends of Literacy Education (3)
574 Practicum in Teaching Reading (3) 740 Reading Research Projects (3)

Recreational Therapy (RTH)
101 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 2 meetings

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

250 Inclusion and Recreation for People with Disabilities (3)
Addressing physical, psychological, and accessibility needs of individuals with disabilities through inclusion in community-based and outdoor recreation services in non-institutional settings

300 Health and Healing - The Spirit-mind-body connection (3)
A comparative overview of healthcare practices drawn from wellness paradigms of selected traditional and non-traditional belief systems (P1)

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 PREQ 200

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 352, RTH major, and junior standing

396 Special Topics (1-3)

417 Administration of Recreational Therapy Services (3)
Contemporary recreational therapy program organizational principles and administrative issues PREQ 352

450 Advanced Methods in Recreational Therapy (3)
Theoretical and practical examination of contemporary implementation procedures used in recreational therapy practice PREQ 352 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 200, PRM 270 or permission of instructor

481 Independent Study (1-3, R6)
484 Recreational Therapy Clinical Internship (6)
Full-time internship in a recreational therapy program under direct professional supervision
PREQ 350, 395, 417, 450, “C” or better in all RTH prefix courses, and permission of instructor

485 Recreational Therapy Clinical Internship (6)
Experience designed to integrate theory with practice, observation, fieldwork, and planning in
a setting related to student’s area of interest 3 hours per credit hour PREQ RTH major and
permission of curriculum coordinator

Science and Entrepreneurship (SAE)

682 Capstone Experience (1)
687 Industrial Experiences (3,R6)
689 Industrial Internship (3)
696 Careers in Scientific Industry Seminar (2)

Science Education (SCE)

422 Principles and Methods of Science Education (3)
Philosophy and techniques of inquiry teaching applied to the science curriculum Field experience
required PREQ Admission to teacher education, EDSE 322

451 Environmental Science for Teachers (3)
Materials and techniques for interdisciplinary projects

491 Supervised Student Teaching in the Sciences, 9-12 (3)
A full-time supervised teaching experience in the Sciences COREQ EDSE 490, 495

493 Topics in Science Education (1-3)

494 Topics in Science Education (1-3)

Graduate Courses
512 Advanced Science Methods (3, R6) 611 Physical and Earth Science for Teachers (3)
551 Environmental Science for Teachers (3) 621 Biology and Environmental Science for Teachers (3)
593 Topics in Science Education (1-3, R6) 695 Seminar in Science Education (3)
594 Topics in Science Education (1-3, R6) 696 Seminar in Science Education (3)

Secondary Education and Special Subject Teaching (EDSE)

322 Principles and Methods of Teaching (2)
Methods, strategies, materials, and techniques of clinical and classroom teaching PREQ
Admission to the teacher education program

484 Supervised Internship I (1-3)
A part-time internship in K-12 schools Student internship program for secondary and special
subject area majors PREQ Approved participation in the SUTEP program and placement in
Internship I

485 Internship II (6)
A full-time internship COREQ 495 and ART, ENGL, GER, HIST, MATH, MUS, SCI, or SPAN
491

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

490 Supervised Student Teaching (6)
A full-time teaching experience COREQ 495 and ART, ENGL, GER, HIST, MATH, MUS, SCI,
or SPAN 491

495 Seminar (3)
Theory related to practice during student teaching or internship COREQ 490 and ART, ENGL,
GER, HIST, MATH, MUS, SCI, or SPAN 491

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

235 Social Problems (3)
Problems of modern American society such as poverty, social conflict, corporate power and capitalism, alienation, and deviance (P1)

240 Social Change (3)
Changes in human societies through cultural, economic, social, and political processes, introduction to development and social movements PREQ 103 or permission of instructor

245 Social Inequality (3)
Social inequalities in wealth, income, prestige, and power, inequalities based on race, sex, and age PREQ 103 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 103 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 103 or permission of instructor

316 Dynamics of Popular Culture (3)
This course presents an overview and analysis of popular culture Emphasis is placed on the relationship of popular culture to economic, political, and cultural dynamics

320 The Internet and Society 3
An examination of the growing significance and impact of the Internet in social life Cultural, political, economic, and inequality issues are examined PREQ 103 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 103 and 245, or permission of instructor

342 The Individual in Society (3)
Individual behavior in social context, social interaction PREQ 103 or permission of instructor

345 Sociology of Emotion (3)
This course provides an overview of the major topics in the Sociology of emotions, focusing on the various theories and methods involved

355 Criminology (3)
Nature, extent, and causes of criminal behavior, role of police, courts, and corrections, prevention and control programs PREQ 103 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 103 or permission of instructor

365 Marriage and Family (3)
Sociological approach to institutions of marriage and family, including mate selection, childrearing, divorce, aging, family violence PREQ 103

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 103 or permission of instructor

380 Ethnographic Research Methods (3)
Theory and method, techniques of observation, description, interviewing, notetaking, and analyzing data, planning and completing a field study This course is cross-listed with ANTH 380 PREQ 103 or ANTH 260
385 Methods of Social Research (3)
The logic of scientific inquiry, techniques of research used in sociology, including sample surveys. 
PREQ 103 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)
See Cooperative Education Program. PREQ 103 or permission of instructor

391 Sociological Theory (3)
The development of sociological theory, issues in classical and contemporary social thought. PREQ 103 or permission of instructor

410 Sociology of Aging (3)
The social context of aging, the social implications of, and attendant social policy issues. Individual and societal aging using historical and cross-cultural approaches. PREQ 103 or permission of instructor

414 Minority Groups (3)
Relations between dominant and subordinate racial and ethnic groups, historical, economic and cultural aspects are considered. Not available as a P1 for Anthropology majors. Cross listed with Anthropology 414 (P1)

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. This course is cross-listed with SM 423. 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 103 or permission of instructor

432 Community Organization and Development (3)
Community organization viewed as a process of bringing about desirable changes in community life. Community structure, needs assessment, and planning for change. PREQ 103 and 240, or permission of instructor

434 Regional and Societal Development (3)
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 103 and 240, or permission of instructor

448 Social Movements (3)
Explores theories and historical cases of social movements that promote or resist social change. Reform and radical movements are examined, political, economic and cultural emphases. PREQ 103, or permission of instructor

450 Sociology of Work (3)
This course provides an overview of the major topics in the sociology of work, including the organization of work and inequality related to work

455 Family Violence (3)
Sociological approach to family violence, including child, spouse, and elder abuse, legal and social responses to each. PREQ 103

456 Medical Sociology (3)
An overview of the major topics in medical sociology, including health and illness behavior, the social demography of health and health organizations

480 Independent Study in Sociology (1-3, R6)
PREQ 103 or permission of instructor
483 Internship in Sociology (3)
Application of theory and knowledge to work experience in a cooperating agency S/U grading
9 hours per week per course PREQ 103 or permission of instructor 3 hours credit applicable to sociology major or minor

484 Internship in Sociology (3)
Application of theory and knowledge to work experience in a cooperating agency S/U grading
9 hours per week per course PREQ 103 or permission of instructor 3 hours credit applicable to sociology major or minor

485 Internship in Sociology (3)
Application of theory and knowledge to work experience in a cooperating agency S/U grading
9 hours per week per course PREQ 103 or permission of instructor 3 hours credit applicable to sociology major or minor

494 Topics in Sociology (1-3, R9)
PREQ Permission of instructor

Graduate Courses
514 Minority Groups (3)
523 Sociology of Sport (3)
532 Community Organization and Development (3)
534 Regional and Societal Development (3)
554 Sociology of Conflict and Conflict Resolution (3)
580 Independent Study in Sociology (1-2, R6)

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 Interviewing Skills for Practice (3)
Basic knowledge of the profession, emphasis on communication and interviewing skills and the generalist approach PREQ 151, social work majors only

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 PREQ 151 or permission of instructor

320 Gender and Power in Social Work (3)
Focus on institutional policies and beliefs related to gender, and how these may affect social work practice among various client systems

327 Social Work with Children and Families (3)
Concepts and skills for intervention with families, emphasis on family strengths and community resources and some policies affecting families PREQ 151 or permission of instructor

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 Evaluation (3)
Research methods used to enhance and evaluate social work practice knowledge

340 Critical Thinking for Social Workers (3)
Practical tools and techniques for critical thinking Social work applications
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 in individuals, families, and groups. PREQ 335 and admission to the social work program.

364 Community Practice (3)
Application of knowledge, values, and skills to social work practice in organizations and communities. Advocacy. PREQ 335 and admission to the social work program.

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)

415 Social Work and Mental Health (3)
The mental health system, issues, history, common diagnoses, emphasis on the strengths perspective. PREQ 151 or permission of instructor.

420 Addictions (3)
Overview of complex issues related to addictions, including drug, alcohol, gambling, and eating addictions, examines addiction within the context of developmental life stages and culture. PREQ 151 or permission of instructor.

426 Child Welfare (3)
Child welfare services, public and private programs, children’s rights, and issues affecting services for children and families. PREQ 151 or permission of instructor.

429 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.

481 Independent Study (1-3, R6)
PREQ 253, 335, 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. S/U grading. PREQ Permission of Director of Field Practicum.

494 Topics in Social Work (3, R12)

496 Field Practicum Seminar (3)
Integration of content with field practice. PREQ Permission of Director of Field Practicum.

Graduate Courses
504 Diversity (3)
510 Social Work With Groups (3)
515 Social Work and Mental Health (3)
526 Child Welfare (3)
529 Social Work With Older Adults (3)
534 Stages of Human Development (3)
535 Research Methods (3)
551 Social Policy (3)
553 Foundations of Social Work Practice (3)
562 Generalist Practice Individuals and Families (3)
564 Generalist Practice Communities and Organizations (3)
586 Foundation Field Practicum (6)
593 Topics in Social Work (1-3, R6)
627 Advanced Social Work Practice With Families (3)
635 Program Evaluation (3)
644 Management in Human Service Organizations (3)
673 Rural Community Advocacy (3)
682 Research Project in Social Work (3, R6)
686 Advanced Field Practicum I (9)
687 Advanced Field Practicum II (9)

Spanish (SPAN)

101 Experiencing Spanish and the Spanish-Speaking World (3)
Students develop basic knowledge about the Spanish-speaking world and through that content acquire basic functional proficiency in Spanish. (P6)
102 Experiencing Spanish and the Spanish-Speaking World II (3)
Students build on their basic functional proficiency in Spanish as they build on their cultural and real-world knowledge of the Spanish-speaking world (P6) PREQ Some competency in Spanish or consultation with instructor

104 Spanish for Educators, Law Enforcement and Health Care Professionals (3)
Students further develop basic language skills related to the contexts of schools, law enforcement, and health care PREQ 101 or equivalent

105 The Spanish-Speaking World (3)
Study of Spanish culture and its relationship to the cultures of countries and regions where Spanish is spoken

110 Experiencing Spanish and the Spanish-Speaking World Accelerated (6)
Students develop knowledge about the Spanish-speaking world, and through that content, acquire basic functional proficiency in Spanish 4 Lecture, 5 Lab (P6) Three credit hours only applicable to Liberal Studies

190 Celluloid and Paper Dreams Hispanic Literature and Film (3)
Hispanic culture as expressed in film and literature

231 Intermediate Spanish I (3)
Continued development of listening, speaking, reading, and writing, continued study of the culture of the Hispanic world PREQ 102 or equivalent or placement

232 Intermediate Spanish II (3)
Continued development of listening, speaking, reading, and writing, continued study of the culture of the Hispanic world PREQ 231 or equivalent or placement

240 Accelerated Second-Year Spanish (6)
Continuation of 110, increasing emphasis on reading, writing, and the study of culture of the Hispanic world 4 Lecture, 5 Lab PREQ Permission of instructor

301 Topics of the Hispanic World I (3)
Examination of topics of interest in the Hispanic world, enhancement of communicative abilities, to include student projects PREQ 232 or 240 or equivalent or placement, or permission of department head

302 Topics of the Hispanic World II (3)
Examination of topics of interest in the Hispanic world, enhancement of communicative abilities, to include student projects PREQ 232 or 240 or equivalent, or placement or permission of department head

303 Applied Spanish Conversation (3, R6)
Apprenticeship in the intensive language program Does not count toward major, minor, or DFA in foreign languages 10 Lab PREQ 232 or 240, sophomore standing, selection by faculty

310 Introduction to Spanish Prose and Poetry (3)
Introduction to Spanish literary texts, reading and analysis of literary works PREQ 232 or 240

321 Spanish Civilization (3)
Geographical, political, cultural, and historical aspects of Spain PREQ 232 or 240 or COREQ 301 or 302, or permission of department head

322 Spanish-American Civilization (3)
Geographical, political, cultural, and historical aspects of Latin America PREQ 232 or 240 or COREQ 301 and 302, or permission of department head

330 Masterpieces of Spanish Peninsular Literature (3)
The literary periods and movements, authors, and selected representative works of Spain PREQ 232 or 240 or COREQ 301 and 302, or permission of department head

333 Masterpieces of Spanish-American Literature (3)
The literary periods and movements, authors, and selected representative works of Spanish America PREQ 232 or 240 or COREQ 301 and 302, or permission of department head

389 Cooperative Education in Spanish (1 or 3, R15)
See Cooperative Education Program PREQ 301, 302
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, EDSE 322

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

491 Supervised Student Teaching, 9-12 (3)  
A full-time supervised teaching experience in the discipline  COREQ EDSE 490, 495

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 and 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

241 Exceptional Learners in the Adapted Curriculum (3)  
Definition of severe disabilities, issues people with severe disabilities face, and the issues relevant to the education of learners with severe disabilities  PREQ 240

310 Evaluation of the Exceptional Child (3)  
Development of assessment programs and evaluation procedures, practice administering and interpreting tests

311 Positive Behavioral Supports for Students with Severe Disabilities (3)  
Positive behavioral supports, functional behavioral assessments and positive behavioral support plans for students with severe disabilities  PREQ 240 and 241

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  2 Lecture, 3 Lab  PREQ 240, 2 5 GPA
335 Teaching Exceptional Children (2)
Overview of exceptional children, emphasis on methods and materials for integrating students into regular classrooms. Field experience required. PREQ: Admission to the teacher education program or permission of department head.

336 Teaching Exceptional Children in Secondary Education (3)
Overview of exceptional children, emphasis on methods and materials for integrating students into general classrooms at the middle and secondary level. Field experience required. PREQ: Admission to the teacher education program or permission of department head.

337 Teaching Exceptional Children in Elementary and Middle Grades (3)
Overview of exceptional children, emphasis on methods and materials for integrating students into general classrooms in elementary and middle grades. Field experience required. PREQ: Admission to the teacher education program or permission of department head.

344 Assistive Technology for Severe Disabilities (3)
Use of assistive technology such as augmentative and alternative communication devices, and devices to support the health and medical needs of people with severe disabilities. PREQ: 240 and 241.

345 Adaptations and Modifications for Young Children with Disabilities (3)
Methods and materials for supporting young children with disabilities in their naturally occurring environments. 2 Lecture, 3 Lab. PREQ: 240, 2.5 GPA.

389 Cooperative Education in Special Education (1 or 3, R15)
See Cooperative Education Program.

400 Creative Thinking and Problem-Solving (3)
Exploration of creative thinking, emphasis on current research and present methodologies of problem-solving.

401 Exceptional Learners in the General Curriculum I (3)
Historical concepts and theories of learning disabilities, educational characteristics of learning-disabled children, overview of remedial programs.

405 Exceptional Learners in the General Curriculum II (3)
Multidisciplinary approach to mental retardation, mental performance and functioning related to human development. PREQ: 240.

407 Behavioral Issues in the General Curriculum (3)
An introduction to behavioral disorders including characteristics, referral, assessment and placement of individuals with behavioral disorders. 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. PREQ: 2.5 GPA.

412 Interagency Practicum (3)
Professional roles and functions of early childhood teams, transdisciplinary team process, structures of interagency collaboration, service coordination, and transition. 2 Lecture, 3 Lab. PREQ: 240, admission to teacher education or permission of instructor, 2.5 GPA.

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.

414 Curriculum and Methods for Students in the Adapted Curriculum (3)
Functional curriculum development and implementation of effective systematic instructional strategies with learners who have severe disabilities. PREQ: 240 and 241.

417 Managing Classrooms for Exceptional Children (3)
Principles and techniques of classroom and behavior management. PREQ: 240 and admission to the teacher education program.
423 Teaching Reading to Individuals with Mild to Moderate Disabilities (3)
Methods and materials for teaching reading to individuals with mild to moderated disabilities
PREQ 240 and admission to the professional education sequence

432 The Physically Handicapped Child (3)
Social, psychological, and medical problems of children with physical disabilities

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 2 Lecture, 3 Lab PREQ SPED 240, CDFR 363, or permission of instructor

470 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 This course is cross-listed with BK and EDEL 470 2 Lecture, 3 Lab

471 Introduction to Gifted Education (3)
Historical concepts of gifted education, examination of the definitions of giftedness, examination of the characteristics and unique needs of gifted students, screening and identification procedures

475 Methods and Models of Gifted Education (3)
Examination and analysis of the methods and models of gifted education PREQ 471 or equivalent

477 Curriculum Differentiation for Gifted Learners (3)
Exploration of ways to adapt content, process, product and the learning environment to provide appropriate learning experiences for gifted students PREQ 471 or equivalent

483 Internship (5, R20)
Observing, planning, teaching, and evaluating young children with and without disabilities in a variety of settings This course is cross-listed with BK and EDEL 483 5 days/week, full-time

484 Special Education Internship I (1-3)
3-9 hours field experience Three hours per credit hour PREQ Written application, permission of instructor and adviser

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

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 Internship Seminar (1, R4)
The interrelationships of theory and practice in the context of experience This course is cross-listed with BK and EDEL 496 COREQ BK 483

Graduate Courses
500 Creative Thinking and Problem Solving (3)
501 Introduction to Learning Disabilities (3)
502 Current Issues in Special Education (3)
504 Programs for Students with Behavioral Disorders (3)
505 Teaching Students with Learning Disabilities (3)
528 Progs for Individuals with Disabilities (3)
529 Programs for Students w/ Mental Retardation (3)
530 Individuals with Moderate to Severe Disabilities (3)
531 The Physically Handicapped Child (3)
532 Students with Severe/ Profound Disabilities (3)
533 Collaboration with Families and Professionals (3)
534 Students with Severe Disabilities, Advanced (3)
555 Positive Classrooms for Students with Disabilities (3)
575 Methods and Models of Gifted Education (3)
577 Curriculum Differentiation for Gifted Learners (3)
593 Topics in Special Education (1-3, R6)
603 Administration of Special Education Programs (3)
604 Theory and Practice in Early Intervention (3)
606 Intervention for Young Children w/ Disabilities (3)
620 Education in a Diverse Society (3)
630 Students w/ Mild/Moderate Mental Retardation (3)
631 Appraisal of Exceptional Children (3)
632 Preschool Disorders Assess and Evaluation (3)
635 Students w/ Multiple Disabilites (3)
668 Seminar in Learning Disabilities (3)
682 Research in Special Education (3)
684 Teaching Students with Behavioral Disorders (3)
Sport Management (SM)

260 Introduction to Sport Management (3)
Career opportunities, competencies, and management skills, overview of management functions and ethics, history of sport management

313 Psychological Aspects of Sport (3)
The psychological aspects of sport and coaching methods. This course is cross-listed with PE 313

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 Aquatic Recreation Management (3)
Organization, programming, facility design, and maintenance in various aquatic recreational environments. Course may lead to Certified Pool Operator certification. This course is cross-listed with PRM 330

340 Sport Ethics 3
Examination of ethical principles to sport-specific issues within the context of managing sport services. PREQ 260

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. 3 Lab. PREQ Permission of department head

389 Cooperative Education in Sport Management (1 or 3, R15)
PREQ Permission of instructor. See Cooperative Education Program

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 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. This course is cross-listed with SOC 423. 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

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
484 Internship in Sport Management (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

485 Internship in Sport Management (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 (3)
Analysis of management, organizational structure, and strategic planning in sport organizations, current issues in sport management  
PREQ SM major, SM 260, senior standing

Graduate Courses
620 Sport Administration (3)  
623 Philosophical Foundations of Sport (3)  
630 Economic and Financial Aspects of Sport (3)  
640 Sport Marketing (3)  
650 Event and Facility Management (3)  
660 Sport Governance (3)  
670 Media and Public Relations in Sport (3)  
683 Practicum (9)

Telecommunications Engineering Technology (TEL)
312 Electronic Communication Fundamentals (4)  
Fundamental principles of communications theory including spectrum analysis, noise, and modulation techniques  
3 Lecture, 2 Lab/week  
PREQ ECET 242 and MATH 153

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  
3 Lecture, 2 Lab/week  
PREQ ECET 290 or permission of instructor

346 Wide Area Networks (4)
Study of transmission equipment, switching technologies, interconnection, and protocols associated with the telecommunications industry  
3 Lecture, 2 Lab/week  
PREQ 345

444 Wireless Systems (4)
Application of communication theory, digital signal processing, and digital modulation to wireless systems  
3 Lecture, 2 Lab/week  
PREQ 312 or equivalent

445 Network Planning and Design I (3)
An engineering approach to establishing telecommunications networks locally and globally  
Communication network simulation is introduced and used to design networks  
2 Lecture, 2 Lab/week  
PREQ 346

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  
2 Lecture, 2 Lab/week  
PREQ 346

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

103 Humanities Colloquium I: Humanities in the Region (1)
Multi-disciplinary study of the varied peoples, key cultural events, and cultural movements who helped shape southern Appalachian mountain life Seminar

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

203 Humanities Colloquium II: The Humanities in the Nation (1)
Multi-disciplinary study of the varied peoples, key cultural events, and cultural movements who helped shape the nation Seminar

303 Humanities Colloquium III: The Humanities for World Cultures (1)
Multi-disciplinary study of the varied peoples, key cultural events, and cultural movements who helped shape the world Seminar

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

401 Washington Experience (3)
A seminar-style course taught as part of “UNC in Washington” Student Internship Program. PREQ Enrollment in UNC in Washington program

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)
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

In 1996, Western Carolina University was approved by the University of North Carolina-General Administration and the Southern Association of Colleges and Schools to offer the Doctoral degree in education

BOARD OF TRUSTEES

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Institute for Economy and Future

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Nell Leatherwood, B A

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Director of Finance Administration and Sponsored Programs
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Director, Smoky Mountain Development Corporation
Director, Western North Carolina Tomorrow

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Peter G Koch, M A

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Museum Educator

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William K Haggard, Ed D

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Student Affairs and Dean for Student Development
Assistant Vice Chancellor, Student Affairs
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Acting Director, University Center
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Director, University Health Center
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North Carolina Center for the Advancement of Teaching

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Jonathan D Wade, Ph D
Donna Glee Williams, Ph D
Henry D Wong, Ph D
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Christin M McCarley, M A

Jacquelyn C McHargue, M Ed
Ronda M Bryant, Ph D

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Cynthia B Gray, Ph D
Ernest Johnson, Ph D
Jonathan D Wade, Ph D
Donna Glee Williams, Ph D
Henry D Wong, Ph D
David Lilly, MBA
Christin M McCarley, M A
2007-2008

FACULTY

*John W Bardo, Ph D
Chancellor, Professor of Sociology B A, University of Cincinnati, 1970, M A, Ohio University, 1971, Ohio State University, Ph D, 1973 Date of appointment, 1995

Kyle R Carter, Ph D
Provost and Vice Chancellor for Academic Affairs, Professor of Psychology B A, Mercer University, Macon, 1970, M A, Ph D, University of Georgia, Athens, 1971, 1974 Date of appointment, 2004

*Elisha M Abel, II, J D.
Assistant Professor of Marketing and Business Law B A , Indiana University Southeast, 1980, M P A , Western Carolina University, 1997, J D, Louis D Bradeis School of Law, University of Louisville, 1983 Date of appointment, 1999

*Millicent H Abel, Ph D
Professor of Psychology B A , Indiana University Southeast, 1979, M A, Ph D, University of Louisville, 1982, 1988 Date of appointment, 1992

J. Padraig Acheson, M FA
Director, Studio Operations/Assistant Professor of Communication, Theatre, and Dance A B , Pfeiffer University, 1968, M FA, Virginia Commonwealth University, 2003 Date of appointment, 2002

*Shawn Kevin Acheson, Ph D
Associate Professor of Psychology B A , North Carolina State University, 1988, M A, Western Carolina University, 1992, Ph D, Southern Illinois University, 1997 Date of appointment, 1998

Andrew Adams, Ph D.
Assistant Director of Music B A , University of Missouri, 1988, M A, University of Illinois, 1990, Ph D, University of Colorado, 2005 Date of appointment, 2006

*Mary F Adams, Ph D
Associate Professor of English B A, Smith College, 1984, M FA, University of Iowa, 1989, Ph D, University of Houston, 1995 Date of appointment, 1995

Robert D Adams, Ph.D.
Assistant Professor of Engineering Technology B S , Clarkson University, 1983, M S, Johns Hopkins University, 1991, Ph D, University of Alabama, 2003 Date of appointment, 2003

*Elizabeth H Addison, Ph D
Department Head and Associate Professor of English A B , Transylvania College, 1968, M A, University of Tennessee, 1975, Ph D, Duke University, 1985 Date of appointment, 1990

*James Clyde Addison, Ph D
Professor of English B A, M A, Clemson University, 1969, 1975, Ph D, University of Tennessee, 1980 Date of appointment, 1979

*Gregory P. Adkison, Ph D
Assistant Professor of Biology A S, Gadsden State Community College, 1986, B S, Jacksonville State University, 1987, B S Ed, Indiana State University, 1991, Ph D, University of Kentucky, 2000 Date of appointment, 2002

Ann Alexander, Ph D. Associate Professor, Department of Education Leadership and Foundation M S, Oklahoma State University, 1993, Ph D, University of Texas at Austin, 1997 Date of appointment, 2006

*Grace C Allen, Ph.D
Associate Professor of Finance B S, Agnes Scott College, 1978, M B A, Appalachian State University, 1985, Ph D, University of South Carolina, 1991 Date of appointment, 1991

*Vittal Anantatmul, D Sc
Assistant Professor of Project Management B S, Andhra University, 1977, M S, D Sc, George Washington University, 1995, 2004 Date of appointment, 2005

Robert Anderson, M.I.E
Assistant Professor of Engineering and Technology B S, Clemson University, 1972, MIE, Clemson University, 1974, Ed D, North Carolina State University, 2002 Date of appointment, 2005

Arledge Armenaki, B P A
Associate Professor (Cinematography) B P A, Brooks Institute of Photography, 1974, American Film Institute, One year Fellowship 1996-1997 Date of appointment, 2005

Terri Armfield, D.M.A.
Instructor of Music B FA, University of Nebraska, 1976, M M , University of Northern Iowa, 2000, D M A, University of Kentucky, 2003 Date of appointment, 2004
<table>
<thead>
<tr>
<th>Name</th>
<th>Title and Position</th>
<th>Education and Experience</th>
</tr>
</thead>
<tbody>
<tr>
<td>James Michael Arnott, Ph D</td>
<td>Assistant Professor of Business Computer Information Systems/Economics BS, MS, University of Tennessee, 1963, 1965, Ph D, University of Georgia, 1973 Date of appointment, 2006</td>
<td></td>
</tr>
<tr>
<td>Marjorie K. Askins, M A</td>
<td>Instructor of English BA, MA, Western Carolina University, 1997, 2000 Date of appointment, 2004</td>
<td></td>
</tr>
<tr>
<td>Fred Atkinson, III, M S</td>
<td>Assistant Professor of Kimmel School of Construction Management and Technology Associate of Science Degree, Stratford College, 2001, Associate of Science Degree, Midlands Technical College, 1976, BS, National-Louis University, 1994, MS, The John Hopkins University, 1997 Date of appointment, 2005</td>
<td></td>
</tr>
<tr>
<td>Cynthia Ann Atterholt, Ph D</td>
<td>Department Head and Associate Professor of Chemistry BS, Kent State University, 1977, M BA, Winthrop University, 1987, Ph D, University of California-Davis, 1996 Date of appointment, 1996</td>
<td></td>
</tr>
<tr>
<td>Lydia A. Aydlett, Ph.D.</td>
<td>Assistant Professor of Psychology BS, Catawba College, 1973, MA, Western Carolina University, 1975, Ph D, University of North Carolina at Chapel Hill, 1989 Date of appointment, 2003</td>
<td></td>
</tr>
<tr>
<td>Stephen Michael Ayers, Ph D.</td>
<td>Associate Professor of Theatre Arts BA, Maryville College, 1975, MA, University of Houston at Clear Lake, 1981, Ph D, University of Colorado, 1988 Date of appointment, 1985</td>
<td></td>
</tr>
<tr>
<td>Mark Azadpour, Ph D</td>
<td>Assistant Professor of Engineering and Technology BS, Ohio State University, 1988, MS, Ohio State University, 1990, Ph D, University of Colorado, 2003 Date of appointment, 2005</td>
<td></td>
</tr>
<tr>
<td>Jacob Babb, M.A.</td>
<td>Instructor of English BA, Western Carolina University, 2003, MA, Western Carolina University, 2005 Date of appointment, 2005</td>
<td></td>
</tr>
<tr>
<td>Patricia L. Bailey, M.F.A.</td>
<td>Associate Professor of Art BFA, University of Texas at Austin, 1968, MFA, Pratt Institute, New York, 1971 Date of appointment, 2000</td>
<td></td>
</tr>
<tr>
<td>Marsha Lee Baker, Ph.D.</td>
<td>Associate Professor of English BA, Mars Hill College, 1977, MA, Ph D, University of North Carolina at Greensboro, 1991, 1995 Date of appointment, 1997</td>
<td></td>
</tr>
<tr>
<td>Michael Baker, M.A.</td>
<td>Assistant Professor of Music BA, MA, University of Kentucky, 1977, 2001 Date of appointment, 2006</td>
<td></td>
</tr>
<tr>
<td>Aaron Kermit Ball, Ed D</td>
<td>Professor of Engineering Technology BS, MA, Appalachian State University, 1975, 1977, Ed D, Virginia Polytechnic Institute and State University, 1984 Date of appointment, 1977</td>
<td></td>
</tr>
<tr>
<td>Debasish Banerjee, Ph.D.</td>
<td>Associate Dean, College of Business and Associate Professor of Business Computer Information Systems BS, St Xavier's College, 1968, MS, Patna University, India, 1971, MBA, Ph D, University of Arkansas, 1987, 1992 Date of appointment, 1996</td>
<td></td>
</tr>
<tr>
<td>Julia Ann Barnes, Ph D</td>
<td>Associate Professor of Mathematics BS, University of Central Florida, 1990, Ph D, University of North Carolina at Chapel Hill, 1996 Date of appointment, 1996</td>
<td></td>
</tr>
<tr>
<td>Peter C. Bates, Ph D</td>
<td>Associate Professor of Natural Resources Management BS, University of Montana, 1977, MS, Montana State University, 1981, Ph D, University of Minnesota, 1990 Date of appointment, 1993</td>
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</tr>
<tr>
<td>Mary Kay Bauer, D M A</td>
<td>Associate Professor of Music BM, Catholic University, 1980, MM, Northwestern University, 1983, DMA, University of Minnesota, 1989 Date of appointment, 1988</td>
<td></td>
</tr>
<tr>
<td>Richard Squires Beam, Ph D</td>
<td>Associate Professor of Theatre Arts BA, MA, Indiana University, 1966, 1969, Ph D, University of Georgia, 1984 Date of appointment, 1971</td>
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</tbody>
</table>
Robert J. Beaudet, Jr., Ph.D.
Associate Professor of Health and Human Performance B.S., Presbyterian College, 1982, M.Ed., Vanderbilt University, 1996, Ph.D., Florida State University, 1997 Date of appointment, 2002

Barbara Halliwell Bell, Ph.D.
Assistant Professor of Birth-Kindergarten, Elementary and Middle Grades Education and Director of the Reading Center B.S., Northeast Missouri State University, 1971, M.Ed., Ed.S., Ph.D., University of Missouri, 1981, 1982, 1995 Date of appointment, 1992

Travis Bennett, Ph.D.
Assistant Professor of Music B.A., Florida State University, 1998, M.A., University of Alabama, 2001 Date of appointment 2006

Bruce D. Berger, J.D.
Assistant Professor of Marketing and Business Law B.S., University of Pennsylvania, 1972, M.B.A., University of Miami, 1975, J.D., Franklin Pierce Law Center, N.H., 1978 Date of appointment, 2001

Wayne E. Billon, Ph.D.
Associate Professor of Health Sciences B.S., Mississippi State University, 1968, M.S., Ph.D., Clemson University, 1972, 1976 Date of appointment, 2004

Russell Binkley, Ph.D.

Brittannia J. Bintz, M.S.
Assistant Professor of Chemistry and Physics B.S., University of South Florida, 2004, M.S., Western Carolina University, 2006 Date of appointment 2006

Christopher D. Birkel, J.D.
Instructor of Business Law, Department of Marketing and Business Law B.S.B.A., Western Carolina University, 1995, M.P.P., Harvard University, 1997, J.D., University of Michigan Law School, 2001 Date of appointment, 2005

Christopher Blake, Ph.D.
Assistant Professor of English B.A., M.S.Ed., Ph.D., Purdue University, 1993, 1999, 2006 Date of appointment, 2006

Harold Tyler Blethen, III, Ph.D.
Professor of History A.B., Bowdoin College, 1967, M.A., Ph.D., University of North Carolina at Chapel Hill, 1969, 1972 Date of appointment, 1972

Lisa A. Bloom, Ed.D.

Candace H. Boan, Ph.D.
Associate Professor of Psychology B.S., College of Charleston, 1993, M.A., Ph.D., University of Alabama, 1995, 1998 Date of appointment, 1998

Michael W. Boyd, D.B.A.

Richard Lewis Boyer, M.F.A.
Professor of English B.A., Denison University, 1965, M.F.A., University of Iowa, 1968 Date of appointment, 1988

Sara C. Breece, M.S.
Instructor of Mathematics and Computer Sciences B.S., North Carolina State University, 2003, M.S., Western Carolina University, 2004 Date of appointment, 2005

Kathleen Brennan, Ph.D.
Assistant Professor of Sociology B.A., Hiram College, 1995, M.A., Ph.D., Kent State University, 1998, 2002 Date of Appointment, 2003

Patricia Lynn Brecker, Ed.D.
Assistant Professor of Birth-Kindergarten, Elementary and Middle Grades Education B.S., Cornell University, 1989, M.S., University of Rochester, 1993, Ed.D., University of Tennessee, 2005 Date of appointment, 2001

Lisa T. Briggs, Ph.D.

Donna T. Brock, M.S.N.
Assistant Professor of Nursing B.S.N., University of Kentucky, 1981, M.S.N., University of Virginia, 1983 Date of appointment, 2007
*William D Brotherton, Ph D
Associate Professor of Counseling/Human Services BS, Missouri Southern State College, 1977, M Ed, C A S, Western Carolina University, 1984, 1985, Ph D, Florida State University, 1989 Date of appointment, 1993

Carroll A Brown, Ph D
Assistant Professor of Hospitality and Tourism AB, Tri-County Technical College, SC, 1985, M BA, The Citadel, 1994, Ph D, Clemson University, 2005 Date of appointment, 2002

Cynthia A Brown, Ph D
Assistant Professor of Applied Criminology BA, M S, Ph D, University of Southern Mississippi at Hattiesburg, 1989, 2005, 2005, J D, Mississippi College School of Law, 1991 Date of appointment, 2006

Jane L Brown, M A
Instructor of Anthropology and Sociology BS, University of South Carolina at Columbia, 1969, M A, Western Carolina University, 1995 Date of appointment, 2003

Susan Brown-Strauss, M FA
Department Head and Professor of Communication, Theatre, and Dance BS, Mansfield State College, 1973, M FA, Southern Illinois University at Carbondale, 1978, M FA, University of Southern Mississippi, 1989 Date of appointment, 1992

Claudia R Bryant, Ph D
Assistant Professor of Political Science BA, University of North Carolina at Asheville, 1994, M A, Appalachian State University, 1996, Ph D, University of Tennessee at Knoxville, 2002 Date of appointment, 2003

Ann Marie Buchanan, Ph D
Assistant Professor of Biology BA, Saint Mary's College, 1991, Ph D Northwestern University, 1998 Date of appointment 2006

Heidi E. Buchanan, M LS
Reference Librarian/Information Literacy Coordinator and Associate Professor, Hunter Library BA, King College, 1999, M LS, University of North Carolina at Chapel Hill, 2000 Date of appointment, 2001

Robert E Buckner, B S Ed
Director, Marching Band and Instructor of Music B S Ed, Western Carolina University, 1967 Date of appointment, 1991

*Joni Lynn Bugden-Store, Ph D
Assistant Professor, Department of Geosciences and Natural Resource Management BA, Carleton University, Ontario, 1994, Masters, Ph D, University of Waterloo, Ontario, 1996, 2002 Date of appointment, 2005

Kenneth A Burbank, Ph D
Professor of Engineering Technology Sc B, Sc M, Ph D, Brown University, 1973, 1975, 1979 Date of appointment, 2001

Debra Burke, J D
Department Head, Department of Marketing and Business Law and Professor of Business Law BA, M PA, J D, University of Texas, 1977, 1982, 1982 Date of appointment, 1992

Gary Burke, M BA
Assistant Professor of Construction Management BS, Auburn University, 1981, M BA, Southern Methodist University, 1989 Date of appointment, 2005

Jane A Burns, Ph D
Assistant Professor of Nursing RN Diploma, Western Pennsylvania Hospital School of Nursing, 1962, B S N, Kent State University, 1988, M N, University of South Carolina, 1993, Ph D, Argosy University, 2003 Date of appointment, 1999

*James W Busbin, Ph D
Professor of Marketing B S B A, M S, University of Alabama, 1972, 1975, Ph D, University of Tennessee, 1981 Date of appointment, 1991

Frederick C Buskey, E D D
Assistant Professor, Department of Education Leadership and Foundation BA, Humboldt State University, 1985, M A, Ohio State University, 1987, E D D, Bowling Green State University, 2004 Date of appointment, 2006

*David J Butcher, Ph D
Associate Dean, College of Arts and Sciences and Professor of Chemistry BS, University of Vermont, 1982, Ph D, University of Connecticut, 1990 Date of appointment, 1990

Karen L Butcher, Ph D
Assistant Professor of Chemistry and Physics BS, University of Vermont, 1982, Ph D, University of Connecticut, 1990 Date of appointment 2005

*James W Busbin, Ph D
Professor of Marketing B S B A, M S, University of Alabama, 1972, 1975, Ph D, University of Tennessee, 1981 Date of appointment, 1991

Frederick C Buskey, E D D
Assistant Professor, Department of Education Leadership and Foundation BA, Humboldt State University, 1985, M A, Ohio State University, 1987, E D D, Bowling Green State University, 2004 Date of appointment, 2006

*David J Butcher, Ph D
Associate Dean, College of Arts and Sciences and Professor of Chemistry BS, University of Vermont, 1982, Ph D, University of Connecticut, 1990 Date of appointment, 1990

Karen L Butcher, Ph D
Assistant Professor of Chemistry and Physics BS, University of Vermont, 1982, Ph D, University of Connecticut, 1990 Date of appointment 2005
Joan Falconer Byrd, M.F.A.
Interim Department Head and Professor of Art
B.A., Agnes Scott College, 1961, M.S., M.F.A.,
University of Wisconsin, 1963, 1967 Date of
appointment, 1968

Todd Campbell, M.S.
Assistant Professor of Music Certificate,
Omega School of Recording Arts and Sciences,
1989, B.A., M.S., West Virginia University,
1993, 1997 Date of appointment, 2006

Craig D. Capano, Ph.D.
Associate Professor of Construction Management
A.E., B.S., Wentworth Institute of Technology, 1983, 1993, MCSM, Clemson University, 1994, Ph.D., Marquette University,
2006 Date of appointment, 2004

James S. Carisle, Jr., M.F.A.
Associate Dean, Honors College and Instructor
of Communication, Theatre, and Dance B.A.,
Western Carolina University, 1973, M.F.A.,
Florida Atlantic University, 1977 Date of
appointment, 2003

Betty Gwen Carlton, M.S.N.
Assistant Professor of Nursing B.S.N.,
Belmont University, 1990, M.S.N., Vanderbilt
University, 1994 Date of appointment, 2006

Calvin Dale Carpenter, Ed.D.
Associate Dean of Education and Allied
Professions and Professor of Special Education
B.S.Ed., Albany State College, 1974, M.Ed.,
Valdosta State College, 1975, Ed.D., Auburn
University, 1979 Date of appointment, 1979

Timothy V. Carstens, M.L.S.
Head of Cataloging and Acquisitions and
Associate Professor, Hunter Library Bar A,
Colby College, 1982, M.L.S., Rutgers
University, 1984 Date of appointment, 1990

Catherine W. Carter, Ph.D.
Program Director of B.S.Ed and Assistant
Professor of English B.A., St. Mary's College
of MD, 1989, M.A., Ph.D., University of
Delaware, 1991, 1999 Date of appointment,
1999

Robert B. Carton, Ph.D.
Assistant Professor of Entrepreneurship
B.S., Duke University, 1980, M.B.A., Ph.D.,
University of Georgia, 1996, 2004 Date of
appointment, 2005

Edward L. Case, Ph.D.
Assistant Professor of Educational Leadership
and Foundations B.S., M.Ed., Ph.D., Clemson
University, 1990, 1998, 2003 Date of
appointment, 2003

Michael Alan Caudull, M.A.
Instructor of Communication, Theatre and
Dance A.A., Mt. San Antonio College, 1979,
R.N., Los Angeles County-University of
Southern California Medical Center, 1982,
B.A., California State University, 1987, M.A.,
The American University, 1989 Date of
appointment, 2005

Stephanie L. Ceraso, M.A.
Lecturer of English B.A., Washington and
Jefferson College, 2004, M.A., University of
Vermont, 2006 Date of appointment, 2006

Marilyn S. Chamberlin, Ph.D.
Associate Professor of Sociology B.A.,
Ph.D., Purdue University, 1986, 1990, 1994
Date of appointment, 1995

**Gurney Ernest Chambers, Ph.D.
Professor of Educational Leadership and
Foundations B.S., Western Carolina University,
1961, M.A., Ph.D., George Peabody College
for Teachers, 1963, 1967 Date of appointment,
1967

Cassandra R. Chambliss, M.A.
Lecturer of English B.A., Western Carolina
University, 1994, M.A., University of
Wisconsin-Madison, 2001 Date of appointment
2006

Sheila Chapman, M.S.N.
Assistant Professor of Nursing R.N., Band
City Hospital, SUN, 1977, B.S.N., University
of North Alabama, 1991, M.S.N., University of
Alabama, 1995 Date of appointment, 2004

Amy K. Cherry, M.M.
Instructor of Music B.M., University of
Illinois, 1993, M.M., University of Cincinnati
College-Conservatory of Music, 1995 Date of
appointment, 2004

Daniel E. Cherry, M.M.
Assistant Professor of Music B.M., Capital
University, 1995, M.M., University of
Cincinnati College-Conservatory of Music, 1998 Date of appointment, 2002

Theodore P. Chappelli, Ph.D.
Associate Professor of Health Sciences B.A.,
University of Pittsburgh at Johnstown, 1975,
M.H.A., University of Pittsburg, 1985, M.S.,
University of Southern California, 1989,
Ph.D., Johns Hopkins University, 1996 Date of
appointment, 2006

Katherine Anne Cipriano, M.A.
Instructor of English B.S., B.A., M.A., Western
Carolina University, 1984, 1988, 1991 Date of
appointment, 2003
Danial Lester Clapper, Ph D
Department Head of Business Computer Information Systems and Economics, and Associate Professor of Computer Information Systems B A, Purdue University, 1985, Ph D, Georgia State University, 1991 Date of appointment, 1996

Cheryl C. Clark, M S N
Assistant Professor of Nursing, Licensure North Carolina Registered Nurse, Ohio Registered Nurse, ANA Medical-Surgical Certification, Associate Degree, Indiana Central University, 1968, B S N, Evansville University, 1976, M S N, California State University, 1981 Date of appointment, 2002

Darryl Clark, M.A.
Assistant Professor of Communication, Theatre and Dance B A, Columbia College, 1986, M A, SUNY College at Brockport, 2005 Date of appointment 2006

*David B Claxton, Ed.D
Department Head and Professor of Health and Human Performance B S P E, M S Ed, Baylor University, 1974, 1975, Ed D, Arizona State University, 1985 Date of appointment, 1993

Mae M Claxton, Ph D
Assistant Professor of English A A, Abraham Baldwin College, 1986, B A, University of Georgia, 1988, M A, University of North Carolina at Chapel Hill, 1990, Ph D, University of Georgia, 1998 Date of appointment, 1999

*Victoria Clement, Ph D.
Assistant Professor of History B A, University of Massachusetts-Amherst, 1992, M A, Ph D, Ohio State University, 2001, 2005 Date of appointment, 2006

Chris Travis Coburn, Ph D
Assistant Professor, Department of Biology B S, Tennessee Technological University, 1991, Ph D, State University of New York, 2000 Date of appointment, 2005

Marie T Cochran, M F A
Instructor of Art B F A, University of Georgia, 1985, M F A, School of the Art Institute of Chicago, 1992 Date of appointment, 2005

*Carl David Coffee, D B A.

Beverly S Collins, Ph.D
Associate Professor of Biology B S, University of Kentucky, 1976, M S, Ph D, Rutgers University, Mayling, KY, 1979, 1985 Date of appointment, 2005

Shawn Bryant Collins, M.S.N.
Assistant Director of CRNA and Assistant Professor, Nursing A S N, B S N, Southern College of SDA Collegedale, Tennessee, 1989, 1991, M S N, University of Tennessee at Chattanooga, 1995 Date of appointment, 2006

Debra L. Connelly, M.A.
Assistant Professor of Communication, Theatre, and Dance B S, M A, Central Missouri State, 1973, 1975 Date of appointment, 2004

Donald W. Connelly, M.A.
Director of Electronic Media and Associate Professor of Communication, Theatre, and Dance A A, Metropolitan Junior College, Missouri, 1970, B S Ed, M A, Central Missouri State University, 1973, 1975 Date of appointment, 1999

Margaret L Connolly, Ph D
Assistant Professor, Department of Health and Human Performance M S, Ph D, University of Illinois, 1977, 1981 Date of appointment, 2005

*Christopher A. Cooper, Ph D
Assistant Professor in Political Science B A, Winthrop University, 1997, M A, University of Tennessee, 1999, Ph D, University of Tennessee, 2002 Date of appointment, 2002

*James Thomas Costa III, Ph.D
Director of the Highlands Biological Station and Professor of Biology B S, SUNY College at Cortland, 1985, M S, Ph D, University of Georgia, 1988, 1992 Date of appointment, 1996

Benjamin M Coulter, Ed D.
Director, Instructional Technology and Assistant Professor, Educational Leadership and Foundations B S, Idaho State University, Pocatello, 1985, M S, Western Carolina University, 1994, Ed D, NC State University, Raleigh, 2004 Date of appointment, 1996

**Myron L. Coulter, Ed D
Paula Demonet, M.A.
Instructor of Health and Human Performance

*Andrew Denson, Ph.D.
Assistant Professor of History B.A., University of Illinois, 1992, M.A., Ph.D., Indiana University, 1994, 2000 Date of appointment, 2004

Alexandra D. DeSio, M.A.
Lecturer of English B.A., Florida State University, 2001, M.A., Appalachian State University, 2004 Date of appointment, 2004

*Sloan E Despeaux, Ph.D.
Assistant Professor of Mathematics B.A., Francis Marion University, 1995, M.S., Florida State University, 1997, Ph.D., University of Virginia, 2002 Date of appointment, 2002

*Laura E DeWald, Ph.D.
Associate Professor of Environmental Science/Biology/Natural Resources and Management B.S., Michigan Technological University, 1980, M.S., Pennsylvania State University, 1982, Ph.D., Virginia Polytechnic Institute/State University, 1986 Date of appointment, 2004

*Asterian R Dewant, Ph.D.
Assistant Professor of Biochemistry M.S., Ph.D., Delft University of Technology, 1992, 2000 Date of appointment 2005

Martin DeWitt, M.F.A.
Museum Director, Fine and Performing-Arts Center, and Associate Professor in Art B.A., M.A., Western Illinois University, M.F.A., Illinois State University, 1979 Date of appointment, 2003

Paul Dezendorf, Ph.D.

Lynn G. Dillard, Ph.D.
Instructor, of Birth-Kindergarten, Elementary and Middle Grades Education B.A., Mercer University, 1968, M.A.T., Ph.D., 1974, 1993, Emory University Date of appointment, 2006

Brian D. Dinkelmeyer, Ph.D.
Associate Professor of Chemistry B.S., SUNY Oswego, 1992, Ph.D., SUNY Stony Brook, 1999 Date of appointment, 2001

*James Michael Dolan, Ph.D.
Associate Professor of Mathematics B.A., Christman 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 Project Management 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.

*Arthur Michael Dougherty, Ph.D.
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

*Ruby L. Drew, Ph.D.
Associate Professor of Communication Sciences and Disorders/Human Services B.S., M.S., University of Minnesota, 1966, 1982, Ph.D., Northwestern University, 1996 Date of appointment, 1999

*Karena Cooper-Duffy, Ph.D.
Associate Professor of Special Education/Human Services B.S., Allentown College, 1988, M.Ed., Ph.D., Lehigh University, 1990, 1997 Date of appointment, 1998

William Lee Dulaney, Ph.D.
Assistant Professor of Communication, Theatre, and Dance B.S., Troy State University, 2000, M.S., Ph.D., Florida State University, 2001, 2006 Date of appointment, 2006

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
Duane D Dunlap, Ed.D.
Interim Dean of Kimmel School of Construction Management and Technology and Professor of Engineering and Technology B.S., Ohio State University, 1982, M.S., Louisiana State University, 1985, Ed.D., Virginia Tech, 1990
Date of appointment, 2001

Linda Kelley Eargle, M.I.E.
Academic Coordinator of Clinical Education and Assistant Professor of Physical Therapy
Date of appointment, 2001

Jane M Eastman, Ph.D.
Assistant Professor of Anthropology and Sociology B.A., M.A., Ph.D., University of North Carolina at Chapel Hill, 1986, 1990, 1999
Date of appointment, 2001

Dana M Edge, M.L.S.
Date of appointment, 1995

Gillian D Ellern, M.L.I.S.
Systems Librarian and Associate Professor, Hunter Library B.S., Wesleyan College, 1985, M.L.I.S., Louisiana State University, 1986
Date of appointment, 1990

*Deidre Elliott, M.F.A.
Assistant Professor of English B.A., University of Colorado, 1970, M.F.A., University of Arizona, 1995
Date of appointment, 2003

Lura L Embrick, M.S.
Instructor of Chemistry and Physics B.S., Queens College, 2001 M.S., Western Carolina University, 2004
Date of appointment, 2006

Mary Ella Engel, B.A.
Assistant Professor of History B.A., Kennesaw State University, 1998
Date of appointment, 2006

Claire T. Eye, M.F.A.
Assistant Professor of Communication, Theatre, and Dance Associate degree, Southwestern Community College, 1988, B.A., Western Carolina University, 1990, M.F.A., Louisiana State University, 1994
Date of appointment, 2003

*Constance V Faircloth, Ed.D.
Associate Professor of Birth-Kindergarten, Elementary and Middle Grades Education B.S., Toccoa Falls College, 1972, M.Ed., Ed.S., Georgia State University, 1975, 1982, Ed.D., University of Georgia, 1990
Date of appointment, 1994

M. Anna Fariello, M.F.A.
Craft Revival Project Leader and Associate Professor, Hunter Library B.A., Douglas College/Rutgers University, M.A., Virginia Commonwealth University, 1997, M.F.A., James Madison University, 1993
Date of appointment, 2004

Betty A Farmer, Ph.D.
Professor of Communication, Theatre, and Dance B.A., Clinch Valley College, 1986, M.S., Ph.D., University of Tennessee, 1988, 1993
Date of appointment, 1993

Lauren E Faulkenberry, M.F.A.
Lecturer of English B.F.A., Washington University in St Louis, 2000, M.F.A, Georgia College and State University, 2006
Date of appointment, 2006

Sally J Feltner, Ph.D.
Instructor of Health Sciences B.S., Miami University, 1958, M.S., Rivier College, 1974, Ph.D., Texas Woman's University, 1988
Date of appointment, 2003

*Mary F Fenton, Ph.D.
Date of appointment, 1992

Chip W Ferguson, M.S.
Date of appointment, 2002

*Martin A Fischer, Ph.D.
Professor of Communication Sciences and Disorders/Human Services B.A., University of California, 1974, M.S., Central Washington University, 1979, Ph.D., University of Oregon, 1983
Date of appointment, 1992

Frederick H Fisher, M.P.A.
Date of appointment, 2003
Teresa L Folger, Ph.D.
Assistant Professor of Birth-Kindergarten, Elementary and Middle Grades Education
B.S.Ed., Central Missouri State University, 1975, M.S.Ed., Ph.D., University of Missouri, 1976, 2001 Date of appointment, 2004

George D. Ford, M.E
Assistant Professor, Department of Engineering and Technology A.S., Greenville Technical College, 1982, B.S., M.B.A., Clemson University, 1984, 1990, M.E., University of South Carolina, 1999 Date of appointment, 2004

Janet C Ford, J.D
Assistant Professor of Marketing and Business Law A.A., Greenville Technical College, 1995, B.M., Furman University, 1985, J.D., University of South Carolina, 1998 Date of appointment, 2004

Steven D Forst, M.S.
Assistant Professor, Department of Nursing Licensure, North Carolina Registered Nurse, Indiana Registered Nurse Registered Cardiovascular Invasive Specialist, B.S., Social Work, B.S., Nursing, Ball State University, Muncie, IN, 1975, 1980, M.S., University of North Carolina at Chapel Hill, Nursing, 1989 Date of appointment, 2004

**Burton B Fox, Ed.D

Terry Curtis Fox, B.A
Associate Professor of English A.B., University of Chicago, 1970 Date of appointment, 2005

Hartwell Sweeney Francis, Ph.D.
Assistant Professor of Anthropology and Sociology B.A., University of New Mexico, 1990, M.A., Ph.D., University of Colorado, 2000, 2006 Date of appointment, 2006

M Elaine Franklin, Ph.D.
Director, Center for Mathematics and Science Education and Assistant Professor, Birth-Kindergarten, Elementary and Middle Grades Education B.A., University of North Carolina at Asheville, 1977, M.A.Ed., Western Carolina University, 1981, Ph.D., University of North Carolina at Chapel Hill, 1997 Date of appointment, 2005

Bruce H Frazier, D.M.A.

Greta G. Freeman, Ed.D
Director of Field Experiences Assistant Professor of Birth-Kindergarten, Elementary and Middle Grades Education B.A., University of North Carolina-Asheville, 1992, M.A.Ed., Ed.D., Western Carolina University, 1997, 2001 Date of appointment, 2002

Mario A Gaetano, D.M.A.

Bonnie L Garner, M.S
Assistant Professor of Nursing A.A.S., Elgin Community College, 1974, B.S.N., M.S., Northern Illinois University, 1981, 1988 Date of appointment, 1999

*Brian W Gastle, Ph.D.
Associate Professor of English B.A., SUNY College at Buffalo, 1989, M.A., Ph.D., University of Delaware, 1992, 1998 Date of appointment, 1998

Jill Dix Ghnassia, Ph.D
Professor of English B.A., Bucknell University, 1969, M.A., Ph.D., Duke University, 1972, 1983 Date of appointment, 2000

Terry L Gibson, D.S.W
Associate Professor of Social Work B.A., D.S.W., University of Alabama, 1962, 1980, M.S.W., Florida State University, 1965 Date of appointment, 1995

*C James Goodwin, Ph.D.
Assistant Professor of Psychology B.A., Holy Cross College, 1968, M.S., Ph.D., Florida State University, 1971, 1973 Date of appointment, 2004

Winford A Gordon, Ph.D
Assistant Professor of Psychology B.S., Wofford College, 1977, Ph.D., University of North Carolina at Chapel Hill, 1983 Date of appointment, 2004

John D Gould, M.B.A
Professor of Accountancy B.A., Brown University, 1951, M.B.A., University of Michigan, 1957 Date of appointment, 1999
Georgia Hambrecht, Ph D
Professor of Communication Sciences and Disorders B S, Bowling Green State University, 1974, M A, Western Illinois University, 1975, Ph D, Kent State University, 1982 Date of appointment, 2004

Leah K. Hampton, M A
Instructor of English B A, Southern Illinois University, 1994, M A, Western Carolina University, 2001 Date of appointment, 2001

Marvin Thomas Hatley, Ph D
Sequoyah Distinguished Professor in Cherokee Studies B A, Honors College, Davidson College, 1974, M A, University of North Carolina, 1977, MFS, Yale University, 1980, Ph D, Duke University, 1988 Date of appointment, 2002

*F Frederick Hawley, Ph D
Professor of Applied Criminology B A, M A, Louisiana State University and A M College, 1973, 1976, Ph D, Florida State University, 1982 Date of appointment, 1993

Suzon G Hawley, M A

*Richard Morrill Haynes, Ed D

Jeanne P Heath, M Ed

*Paul Heckert, Ph D
Professor of Physics B A, Frostburg State College, 1974, M S, Ph D, University of New Mexico-Albuquerque, 1977, 1983 Date of appointment, 1988

*Elizabeth H Heffelfinger, Ph D
Assistant Professor of English B A, College of Wooster, 1986, MFA, University of Maryland, 1996, Ph D, Carnegie Mellon University, 2004 Date of appointment, 2005

Scott Heggen, M.S.
Assistant Professor of Engineering and Technology B S, M S, Western Carolina University, 2005, 2006 Date of appointment, 2007

Erik Lowell Henry, Ph D
Assistant Professor of Mathematics B S, Colorado State University, 1992, M S, Michigan State University, 1994 Ph D, University of North Colorado, 1994 Date of appointment, 2006

Dennis F Hembree, Ed S
Assistant Professor of Mathematics B S, Georgia Institute of Technology, 1974, M S, Georgia State University, 1981, Ed S, Ph D, University of Georgia, 1991, 2006 Date of appointment, 2006

Patricia A Hembree, Ph D
Assistant Professor, Department of Geosciences B S, Emory University, 1973, M Ed, West Georgia College, 1992, Ph D, University of Georgia, 2005 Date of appointment, 2005

*Bruce Barrie Henderson, Ph D
Professor of Psychology B A, M A, Bucknell University, 1972, 1975, Ph D, University of Minnesota, 1978 Date of appointment, 1978

Eric R Hendrix, M A

Matthew C Henley, M A
Assistant Band Director, Instructor of Music B A, M A, Western Carolina University, 1993, 1995 Date of appointment, 2001

Glenda Hensley, M A
Assistant Professor of Communication, Theatre and Dance B F A, University of North Carolina at Greensboro, 1981, M A Prescott College, 2004 Date of appointment, 2006

Steve W Henson, Ph D
Assistant Professor of Marketing B A, Mercer University, 1976, M BA, Ph D, Georgia State University, 1989, 1995 Date of appointment, 2002

*Harold A Herzog, Jr, Ph D
Professor of Psychology B A, The American University of Beirut, 1968, M A, Ph D, University of Tennessee, 1974, 1979 Date of appointment, 1987

*Mary Jean R Herzog, Ed D
<table>
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<th>Name</th>
<th>Title/Position</th>
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<tbody>
<tr>
<td>Rebecca B Hester, M.A.</td>
<td>Instructor of Psychology B A, University of Texas at Tyler, 1999, M A, Western Carolina University, 2002 Date of appointment, 2003</td>
<td></td>
</tr>
<tr>
<td>*Anthony Andrew Hickey, Ph D</td>
<td>Professor of Sociology B S, M S, Ph D, Cornell University, 1971, 1973, 1975 Date of appointment, 1985</td>
<td></td>
</tr>
<tr>
<td>*Scott Easterby Higgins, Ed D</td>
<td>Dean, Graduate School and Research Administration and 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</td>
<td></td>
</tr>
<tr>
<td>Roger C Higgs, Ph D</td>
<td>Associate Professor of Management B S, M B A, University of Utah, 1971, 1974, Ph D, Virginia Polytechnic Institute and State University, 1992 Date of appointment, 1990</td>
<td></td>
</tr>
<tr>
<td>Claire Hill, M A</td>
<td>Instructor of English A B, Bucknell University, 1966, M A, Boston University, 1967 Date of appointment, 2005</td>
<td></td>
</tr>
<tr>
<td>Nina Jean Hill, Ed D</td>
<td>Assistant Professor, Department of Nursing B S N, Berea College, Berea, KY, M S N, University of South Carolina, 1974, Ed D North Carolina State University, 1997 Date of appointment, 2005</td>
<td></td>
</tr>
<tr>
<td>Eleanor B Hilty, Ph D</td>
<td>Associate Professor of Educational Leadership and Foundations B S, M S, Ph D, University of Tennessee, 1977, 1982, 1987 Date of appointment, 1993</td>
<td></td>
</tr>
<tr>
<td>Sonja L Himes, M S</td>
<td>Instructor of Biology B A, University of North Carolina at Asheville, 1996, M S, Western Carolina University Date of appointment, 2006</td>
<td></td>
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<tr>
<td>Fred Donald Hinson, Ph D</td>
<td>Senior Associate Vice Chancellor for Academic Affairs and Associate Professor of Biology B A, Catawba College, 1960, M S, University of Arkansas, 1963, Ph D, Virginia Polytechnic Institute and State University, 1970 Date of appointment, 1966</td>
<td></td>
</tr>
<tr>
<td>Eloise Ramsey Hitchcock, M.S L.S.</td>
<td>Associate Library Director and Associate Professor, Hunter Library B S, Tennessee Technological University, 1986, M S L S, University of Tennessee-Knoxville, 1987 Date of appointment, 2004</td>
<td></td>
</tr>
<tr>
<td>James M Holbrook, M A</td>
<td>Lecturer of English B A, University of Georgia, 1997, M A, Western Carolina University 2006 Date of appointment, 2006</td>
<td></td>
</tr>
<tr>
<td>Mark A Holliday, Ph D</td>
<td>Professor of Computer Science B S, University of Virginia, 1978, M S, Ph D, University of Wisconsin, 1982, 1986 Date of appointment, 1994</td>
<td></td>
</tr>
<tr>
<td>Marianne Hollis, M S</td>
<td>Assistant Professor, Department of Health Sciences B N, Fort Sanders School of Nursing, 1976, B A, University of Tennessee, 1980, M S, University of Tennessee, 1987, Ph D, University of South Carolina, 2002 Date of appointment, 2005</td>
<td></td>
</tr>
<tr>
<td>Kelley L Holzknecht, M S</td>
<td>Assistant Professor of Chemistry and Physics A A, Bainbridge College, 1986, B S, Valdosta State, 1988, M S, Indiana University, 1991 Date of appointment, 2004</td>
<td></td>
</tr>
<tr>
<td>Christine E Hornak, B A</td>
<td>Head Softball Coach/Instructor Bachelor of Arts in Psychology, University of North Carolina at Greensboro, 1998, Date of appointment, 2006</td>
<td></td>
</tr>
<tr>
<td>*Robert S Houghton, Ph D</td>
<td>Interim Department Head, Associate Professor of Birth-Kindergarten, Elementary and Middle Grades Education B A, Hanover College, 1970, M S, Ph D, University of Wisconsin, 1972, 1989 Date of appointment, 1993</td>
<td></td>
</tr>
</tbody>
</table>
Christopher A Hoyt, Ph.D.
Assistant Professor, Department of Philosophy and Religion
BA, Boston University, 1988, Ph.D., University of Illinois, 1998
Date of appointment, 2004

Michael W Hubble, Ph.D.
Associate Professor of Health Sciences
B.S., High Point College, 1988, M.B.A., University of North Carolina at Chapel Hill, 1990,
Ph.D., University of Maryland, 1997
Date of appointment, 1993

*Beth Huber, Ph.D.
Assistant Professor of English
Date of appointment, 2004

Marie T Huff, Ph.D.
Department Head and Associate Professor of Social Work
B.A., University of North Carolina-Asheville, 1983, M.S.W., University of Georgia, 1986,
Ph.D., University of South Carolina, 1998
Date of appointment, 1998

Carmen L. Huffman, Ph.D.
Assistant Professor of Chemistry and Physics
B.S., University of Rhode Island, 2001,
Ph.D., University of Maryland, 2005
Date of appointment, 2005

Scott W Huffman, Ph.D.
Assistant Professor, Department of Chemistry and Physics
B.S., University of North Carolina at Wilmington, 1994,
M.S., University of North Carolina at Wilmington, 1997,
Ph.D., University of Rhode Island, 2001
Date of appointment, 2005

Thomas J Hughes, D.A.
Instructor of English
Date of appointment, 2003

Ronald D Hunter, Ph.D.
Professor of Applied Criminology
Date of appointment, 2004

*J. Casey Hurley, Ph.D.
Professor of Educational Leadership and Foundations
B.A., St Norbert College, 1973,
M.S., Ph.D., University of Wisconsin-Madison, 1978, 1989
Date of appointment, 1989

*William Douglas Hyatt, L.L.M.
Professor of Applied Criminology
A.B., Western Kentucky University, 1963, J.D., University of Cincinnati, 1965,
L.L.M., Georgetown University, 1971
Date of appointment, 1982

Jeremy Hyman, Ph.D.
Assistant Professor of Biology
Date of appointment, 2006

*Kathy M Ivey, Ph.D.
Department Head and Associate Professor of Mathematics
B.S., East Tennessee State University, 1981, M.S., Oregon State University, 1990,
Ph.D., Washington State University, 1994
Date of appointment, 1994

*Beverly J Jacobs, Ph.D.
Director of Speech and Hearing Center and Associate Professor of Communication Sciences and Disorders/Human Services
B.S., M.A., University of South Dakota, 1977, 1978,
Ph.D., University of Florida, 1994
Date of appointment, 2002

Jacqueline Jacobs, Ph.D.
Department Head and Professor of Educational Leadership and Foundations
B.S., Southern Illinois University, 1973, M.A., Case Western Reserve University, 1974,
Ph.D., Southern Illinois University, 1982
Date of appointment, 2004

Paul H Jacques, Ph.D.
Assistant Professor of Management
B.S., Worcester Polytechnic Institute, 1976,
M.S., M.S., M.B.A., Rochester Institute of Technology, 1988, 1996, 1996,
Ph.D., SUNY-Binghamton, 2003
Date of appointment, 2003

*Sharon Lee Jacques, Ph.D.
Associate Professor of Nursing
B.S., Indiana University, 1965, M.S., University of Colorado, 1974,
Ph.D., University of Texas-Austin, 1995
Date of appointment, 1974

Janet Lee James, M.S.N.
Assistant Professor of Nursing
Associate Degree in Arts, Miami Dade Community College, 1998,
B.S.N., University of Florida, Gainesville, 1980,
M.S.N., Western Carolina University, 2002
Date of appointment, 2006

*Stephen Brooks Jarrell, Ph.D.
Professor of Management
B.S., University of Alabama, 1971, M.S., Ph.D., Purdue University, 1972, 1978
Date of appointment, 1988
Christopher J. Jenkins, M S.E  
Assistant Professor of Mathematics and 
Computer Sciences BS, Duke University, 
1998, M S E, University of Texas at Austin, 
2000 Date of appointment, 2006  

Donald Albert Jensen, Jr., L L M  
Assistant Professor, Construction Management 
B S B A, University of Central Florida, 1984, 
B S, University of North Florida, 1987, M S, 
Michigan State University, 1990, Ph D, Texas 
A & M University, 1993, JD, John Marshall 
School of Law, 1998, L L M, University 
of Miami School of Law, 2002 Date of 
appointment, 2006  

Jon Charles Jicha, M.FA.  
Director of MFA Programs and Professor of 
Art B F A, M F A, Kent State University, 
1972, 1976 Date of appointment, 1984  

Ann Putnam Johnson, Ed D  
Interim Dean, College of Applied Sciences and 
Professor of Nursing B S N, Western Carolina 
University, 1982, M S N, Ed D, University of 
Tennessee, 1983, 1989 Date of appointment, 
1988  

Cheryl Ann Johnson, M.S A.  
Director of MSN/CRNA and Assistant 
Professor, Nursing M S A, University of 
Health Sciences-Bethesda, 1999 Date of 
appointment, 2006  

Crystal A Johnson, M Ed  
Instructor of Communication, Theatre, 
and Dance B S, M Ed, Western Carolina 
University, 2000, 2002 Date of appointment, 
2004  

Julie Tracey Johnson-Busbin, Ph.D.  
Professor of Marketing and Sales B A, 
Southeastern Louisiana University, 1984, M S, 
Ph D, Georgia State University, 1996, 1996 
Date of appointment, 1996  

Anne Marie Jones, M N.  
Assistant Professor, Department of Nursing 
B S N, University of North Carolina at Chapel 
Hill, 1982, M N, University of Texas Health 
Science, 1989 Date of appointment, 2005  

Elizabeth H. Jones, Ph D  
Associate Professor of Accountancy B S, 
University of Illinois, 1976, M S, Memphis 
State University, 1983, M B A, Ph D, Indiana 
University, 1987, 1988 Date of appointment, 
1994  

Gary H. Jones, Ph.D.  
Associate Professor of Business Computer 
Information Systems B S, Bradley University, 
IL, M A, M A, Ph D, University of Southern 
California, 1986, 1991, 1997 Date of 
appointment, 2002  

Jonathan L. Jones, III, M A Ed  
Assistant Professor of Communication, Theatre, 
and Dance B A, M A Ed, Western Carolina 
University, 1975, 1982 Date of appointment, 
2002  

Kathleen Jorissen, Ph.D  
Assistant Professor, Department of Education 
Leadership and Foundation B S , M A, Ph D, 
University of Minnesota, 1968, 1979, 2000 
Date of appointment, 

Kathryn Kantz, M.A T  
Instructor, Department of Birth-Kindergarten, 
Elementary & Middle Grades Education B S, 
M A T, University of North Carolina at Chapel 
Hill, 1981, 1989, Principal's Certificate, 
University of North Carolina at Greensboro, 
1992 Date of appointment, 2005  

Meagan Rhea Karvonen, Ph D.  
Assistant Professor of Educational Leadership 
and Foundations B A, Alma College, 1993, 
M A, University of North Carolina at Charlotte, 
1996, Ph D, University of South Carolina, 
2004 Date of appointment, 2004  

N. Leroy Kauffman, Ph.D  
Dean, College of Business and Associate 
Professor of Accountancy A A S, Flathead 
Valley Community College, 1974, B S, Eastern 
Mennonite College, 1977, M B A, University 
of Montana, 1978, Ph D, The Ohio State 
University, 1988 Date of appointment, 1994  

Melinda Beth Keefauer, M A.  
Instructor of English B A Furman University, 
1998, M A, Western Carolina University, 2003 
Date of appointment, 2006  

Noelle Link Kehrberg, Ph D.  
Professor of Health Sciences B S, University 
of Minnesota, 1972, M S, Ph D, Virginia 
Polytechnic Institute and State University, 
1974, 1977 Date of appointment, 1978  

Robert W. Kehrberg, D.A.  
Interim Dean, Department of Arts and Sciences, 
Department Head and Professor of Music 
B M, M A, University of Iowa, 1967, 1973, 
D A, University of Northern Colorado, 1983 
Date of appointment, 1987
Elizabeth Kelly, M.A.
Date of appointment, 2001

Edward John Kesgen, Ph.D.
Associate Professor of Recreational Therapy, B.A., Seton Hall University, 1967, M.Ed., Springfield College, 1974, Ph.D., Texas A & M University, 1982 Date of appointment, 1982

*Jerry Kinard, D.B.A.

David Andrew Kinner, Ph.D.
Assistant Professor of Geosciences and Natural Resources Management, B.A., Amherst College, 1996, M.S., Ph.D., University of Colorado at Boulder, 1999, 2003 Date of appointment, 2006

*Brent E. Kniser, Ph.D.
Assistant Professor of English, B.A., Illinois State University, 1998, M.A., Illinois State University, 2000, Ph.D., UNC-Chapel Hill, 2005 Date of appointment, 2005

*James J. Kirk, Ed.D.

James Kevin Kirkpatrick, B.F.A.

Margaret Kiss, M.A.

*Joseph Ballard Klerlem, Ph.D.
Professor of Mathematics, B.S., Furman University, 1970, Ph.D., Vanderbilt University, 1975 Date of appointment, 1974

Phillip B. Kneller, M.S.
Interim Department Head and Associate Professor of Health Sciences, B.S., University of Maryland, 1970, M.S., George Washington University, 1980 Date of appointment, 1993

*H. Gibbs Knotts, Ph.D.
Associate Dean of Graduate School and Associate Professor of Political Science and Public Affairs, B.A., University of North Carolina at Chapel Hill, 1993, M.A., Ph.D., Emory University, 1997, 2000 Date of appointment, 2000

Oleg Kodolov, Ph.D.
Assistant Professor of Political Science and Public Affairs, B.S., Eastern Nazarene College, 1997, B.A., Moscow State Institute of International Relations, 1993, M.A., Northeastern University, 2000, Ph.D., University of Western Ontario, 2002 Date of appointment, 2006

Lawrence Gene Kolenbrander, Ph.D.
Associate Professor, Geosciences and Natural Resources Management, B.S., Grand Valley State College, 1973, M.S., Ph.D., Colorado State University, 1975, 1981 Date of appointment, 1985

Nancy M. Kolenbrander, M.A.L.S.
Assistant Head of Reference and Associate Professor, Hunter Library, B.A., Grand Valley State College, 1972, M.A.L.S., University of Michigan, 1967, M.S., Western Carolina University, 1993 Date of appointment, 1987

Rebecca Stroud Kornegay, M.S.L.S.
Head of Reference and Assistant Professor, Hunter Library, B.A., M.S.L.S., University of North Carolina at Chapel Hill, 1975, 1977 Date of appointment, 1984

William R. Kwochka, Ph.D.
Associate Professor of Chemistry, B.A., Grinnell College, 1983, Ph.D., North Carolina State University, 1992 Date of appointment, 1994

William C. Kreahling, Ph.D.
Assistant Professor of Computer Science, B.S., M.S., Appalachian State University, 1996, 1999, Ph.D., Florida State University, 2005 Date of appointment, 2005

Michael Lanford, M.M.
Instructor of Music, B.A., Colgate University, 1999, M.M., University of Georgia, 2005 Date of appointment, 2005
James Allen Lewis, Ph.D.
Department Head and Professor of History
B.A., The Ohio State University, 1964, M.A.
Northern Illinois University, 1968, Ph.D., Duke
University, 1975 Date of appointment, 1972

Matthew Liddle, M.F.A.
Associate Professor of Art B.A., Dartmouth
College, 1983, M.F.A., The University of the
Arts, 1991 Date of appointment, 1995

Rebecca A. Lindsay, M.S.
Instructor, Department of Health and Human
Performance B.S., Clemson University, 1982,
M.S., Western Carolina University, 1989 Date
of appointment, 2005

Roger Lirely, D.B.A.
Department Head of Accountancy, Finance, and
Entrepreneurship and Professor of Accountancy
B.A., Illinois Wesleyan University, 1974, M.S.A., DePaul University, 1985, D.B.A.,
Southern Illinois University-Carbondale, 1996
Date of appointment, 1996

Beverly L. Little, Ph.D.
Professor of Management B.S., Jacksonville
State University, 1972, M.Ed., Clemson
University, 1977, M.B.A., Louisiana Tech
University, 1985, Ph.D., Virginia Polytechnic
Institute and State University, 1993 Date of
appointment, 1993

Philp L. Little, D.B.A.
Professor of Accountancy B.S., Jacksonville
State University, 1971, M.B.A., D.B.A.,
Louisiana Tech University, 1984, 1986 Date of
appointment, 1993

Harold E. Littleton, Jr., Ph.D.
Instructor of Philosophy and Religion B.S.,
Clemson University, 1963, M.A., Ph.D.,
Vanderbilt University of Nashville, 1970, 1973
Date of appointment, 2006

Cathy G. Litty, M.A.
Assistant Professor of Special Education/
Human Services B.A., Auburn University,
1991, M.A., Western Carolina University,
1994 Date of appointment, 2002

Jiangxia (Renee) Liu, Ph.D.
Assistant Professor of Accountancy B.S.,
Chongqing University, Chongqing, China,
1998, M.S., Ph.D., University of Texas at
Dallas, 2005, 2006 Date of appointment, 2006
Zihua Liu, M.A.
Assistant Instructor, Political Science and Public Affairs B.A., Foreign Affairs College 2000, M.A., State University of New York at Buffalo, 2004 Date of appointment, 2006

*Cecil Donald Livingston, Ph D.
Professor of Political Science and Public Affairs B.A., M.A., University of South Carolina, 1972, 1974, Ph D., University of Mississippi, 1984 Date of appointment, 1984

Shirley A. Livingston, M.A.Ed.

Xiaobao Li, Ph D
Assistant Professor of Birth-Kindergarten, Elementary, and Middle Grades B.S., Chongquig University, 1998, M.S University of Texas at Dallas, 2005, Ph D., Texas A & M University, 2006 Date of appointment, 2006

Frank S. Lockwood, Ph D.
Assistant Professor of Entrepreneurship B.A., Ripon College, 1965, M.B.A., Emory University, 1969, Ph D., University of South Carolina, 1998 Date of appointment, 2003

*Elizabeth Tyson Lofquist, Ph.D
Associate Vice Chancellor for Academic Affairs and Associate Professor, Department of Birth-Kindergarten, Elementary and Middle Grades Education B.S.Ed., M.A.Ed., Ed.S., Western Carolina University, 1978, 1979, 1988, Ph D., University of North Carolina at Greensboro, 1997 Date of appointment, 1993

Mark L. Lord, Ph D
Department Head and Associate Professor of Geosciences and Natural Resources Management B.S., State University of New York, 1981, M.S., Ph D., University of North Dakota, 1984, 1988 Date of appointment, 1998

Paul Edward Lormand, M.F.A
Director of Fine and Performing Arts Center and Assistant Professor of Communication, Theatre and Dance B.A., University of Louisiana, 1978, M.F.A., University of Memphis, 1985 Date of appointment, 2004

Karen Y Lunnen, Ed D
Department Head and Associate Professor of Physical Therapy B.A., Wittenberg University, 1971, M.S., Duke University, 1973, Ed D., NCSU, 2002 Date of appointment, 1995

*Alexander S. MacAulay, Jr., Ph D
Assistant Professor of History B.A., The Citadel, 1994, M.A., University of Tennessee, 1998, Ph D., University of Georgia, 2003 Date of appointment, 2004

*Alvin L. Malesky, Ph D
Assistant Professor of Psychology B.A., George Mason University, 1993, M.S., University of Southern Mississippi, 1998, Ph D., University of Memphis, 2002 Date of appointment, 2004

Judy L. Mallory, Ed.D.

*Shanmugasadasivam Manickam, Ph.D
Professor of Mathematics and Computer Science BSc., M.Sc., University of Madras, 1960, 1962, Ph D., University of Toronto, 1968 Date of appointment, 1969

Jill Ann Manners, M.S.
Associate Professor of Health Sciences B.S., Ithaca College, 1993, M.S., West Virginia University, 1995 Date of appointment, 2004

*James C. Manning, Ph.D.

Cheryl R. Marsh, M.A

Charles F. Marth, Ph.D.
Assistant Professor of Chemistry and Physics B.S., Duke University, 1983, Ph.D., University of Wisconsin, 1988 Date of appointment, 2003

Bonne Martin, Ph D
Assistant Professor of Hospitality and Tourism B.S., Concord College, 1987, MPRTM Clemson University, 1989, Ph D., Clemson University, 1996 Date of appointment, 2001

Bradley Martin, M M
Assistant Professor of Music Associate Diploma, Trinity College, London, 1985, B.S.M., University of Western Australia, 1988, M.M., University of Michigan at Ann Arbor, 1998 Date of appointment, 2002
Heath C. Martin, M.L.S.
Collection Development Librarian and
Assistant Professor, Department of Hunter
Library BA, MA, Illinois State University, 1996, 2000, MLS, Queens College, 2003
Date of appointment, 2006

Nicholas M G Martin, Ph.D
Assistant Professor of Health Sciences BS,
Guilford College, MS, Ph.D, University of
North Carolina at Greensboro, 2003, 2006
Date of appointment, 2006

Thomas H Martin, Ph.D
Assistant Professor of Biology BS, Lincoln
Memorial University, 1980, MS, East
Tennessee State University, 1986, Ph.D, NC
State University, 1990 Date of appointment, 2001

William Martin, D.M.A
Associate Professor of Music BM, MM,
Northwestern University, 1974, 1976, DMA,
University of North Carolina at Greensboro,
1993 Date of appointment, 2001

Karen A. Mason, Ph.D
Assistant Professor of Applied Criminology
BA,Lenoir-Rhyne College, 1992, MS,
Ph.D, University of Tennessee-Knoxville,
1995, 1999 Date of appointment, 2005

*Katherine G Mathews, Ph.D
Associate Professor of Biology BA, Harvard
University, 1992, Ph.D, University of Texas at
Austin, 1997 Date of appointment, 2003

Marylou M Matoush, Ph.D
Assistant Professor of Birth-Kindergarten,
Elementary & Middle Grades Education BA,
St Olaf College, 1973, M.Ed, The College of
William and Mary, 1975, M.S.E, University of
Wisconsin, 1980, Ph.D, University of Florida,
2004 Date of appointment, 2005

Ronald R. Mau, M.B.A.
Assistant Professor of Construction
Management BS, University of Kansas,
1988, MS, University of Kansas, 1989,
MBA, University of Kansas, 2001 Date of
appointment, 2005

Lisa Mazzarello, M.S
Associate Director of Highlands Biological
Station BS, Metropolitan State College, 1993,
MS, Western Carolina University, 2002 Date
of appointment, 2004

David M. McCord, Ph.D.
Department Head and Associate Professor
of Psychology BA, Duke University, 1972,
MA, Western Carolina University, 1979,
Ph.D, University of Alabama, 1984 Date of
appointment, 2002

Eddie B. McCoy, Ph.D
Assistant Professor of Educational Leadership
and Foundations BA, California State
University, 1971, MS, Ph.D, University of
Arkansas, 1984, 2001 Date of appointment,
2003

Emily Elizabeth McCullough, M.S.
Assistant Professor of Chemistry and Physics
BS, MS, Northern Illinois University, 2003,
2004 Date of appointment, 2004

William L McDaniel II, Ed.D.
Assistant Professor of Engineering and
Technology AA, Isothermal Community
Carolina University, 1980, 1981, 1988, Ed.D,
Clemson University, 1993 Date of appointment,
2004

Elizabeth A McDonough, M.L. S
Reference Librarian/Education Liaison
and Assistant Professor, Hunter Library
BS, University of Florida, 1982 MLS, University
of North Carolina at Greensboro, 1996 Date of appointment, 2007

**Eugene Early McDowell, III, Ph.D
Professor of Psychology BA, Ph.D, University of North Carolina at Chapel Hill,
Date of appointment, 1969

Anna Traywick McFadden, Ph.D
Director of the Coulter Faculty Center and
Professor of Educational Leadership and
Foundations BA, Columbia College, 1974,
M.Ed, Ph.D, University of South Carolina,
1978, 1992 Date of appointment, 1996

Miles S McGinty, Ed.D
Assistant Professor of Modern Foreign
Languages BA, Emory University, 1963,
M.A., M. Ed., Ed.D, University of Georgia,
1971, 1975, 1978 Date of appointment, 2000

Karen J McKinney, Ph.D.
Instructor of English BA, Mars Hill College,
1979, M.A, Western Carolina University,
1993, Ph.D, University of New Mexico, 2004
Date of appointment, 2004
James M. McLachlan, Ph.D.

*Erin K. McNels, Ph.D.*

*Sue L. McPherson, Ph.D.*

*Elizabeth G. McRae, Ph.D.*

*George W. Mechlung, Jr., Ph.D.*

William Winston Medaris, M.S.
Associate Professor of Industrial and Engineering Technology B.S., United States Naval Academy, 1960, B.S.E.E., United States Naval Postgraduate School, 1967, M.S., University of Southern Mississippi, 1976. Date of appointment, 1980.

Marylin Moll, Ph.D.

*Justin Memickell, Ph.D.*

*Gordon Edson Mercer, Ph.D.*

Charlene Merritt, M.S.

Susan M. Metcalf, M.S.L.S.

Sharon Metcalfe, Ed.D.

*Ron C. Michaels, Ph.D.*
Assistant Professor of Biology Certified by American Board of Medical Genetics, 1996, B.S., Muhlenberg College, 1977, Ph.D., Vanderbilt University, 1983. Date of appointment, 2004.

*Niall Guy Michelsen, Ph.D.*

Ronald J. Miers, Ph.D.

*Gayle Houston Miller, Ph.D.*

*Jerry R. Miller, Ph.D.*

Stephen C. Miller, M.A.
William J Miller, Ph D.
Associate Professor of Engineering & Technology B A, State University of New York, 1979, M S, Georgia State University, 1990, Ph D, Georgia State University, 1997
Date of appointment, 2005

Scott Wayne Minor, Ph D.

Gayle Moller, Ed D

John Wayne Moore, M S
Associate Professor of Communication-Print Media B A, Western Kentucky University, 1969, M S, Northwestern University, 1970 Date of appointment, 1988

Scott P Moore, M A
Instructor of Health and Human Performance B A, Concordia University, 1996, M A, Western Carolina University, 2006 Date of appointment, 2006

Suzanne S Moore, Ph D
Associate Professor of Modern Foreign Languages B A, Southern Illinois University, 1967, M A, University of Kentucky, 1970, Ph D, Tulane University, 1976 Date of appointment, 1993

Katya Moorman, M F A
Assistant Professor of Art B A, SUNY Purchase, 1994, M F A, Cranbrook Academy, 2004 Date of appointment, 2004

Naci Morris, M A
Instructor, Department of English B A, M A, Western Carolina University, 2002, 2005 Date of appointment, 2005

Danell A Moses, M A
Assistant Professor of Business Computer Information Systems/Economics B S, M A, Western Carolina University, 1994, 2000 Date of appointment, 2006

Hollye Moss, Ph.D.
Assistant Professor of Management B A, Converse College, 1983, M S, Clemson University, 1985, M BA, Wake Forest University, 1993, Ph D, Clemson University, 2002 Date of appointment, 2002

Irene Mueller, Ed D
Assistant Professor of Health Sciences B S, University of South Florida, 1973, M L S, Florida State University, 1974, B S, Western Carolina University, 1992, Ed D, Montana State University, 2001 Date of appointment, 2001

Robert F. Mulhgan, Ph D

Nyaga Mwaniki, Ph D
Associate Professor of Anthropology and Sociology B A, Indiana University of Pennsylvania, 1977, Ph D, Indiana University, 1986 Date of appointment, 1990

Larry J. Myers, Ph.D.
Assistant Professor of Applied Criminology B A, University of South Carolina, 1985, M S, Florida State University, 1989, Ph D, Texas A & M University, 2000 Date of Appointment, 2005

Laura Myers, Ph D.
Assistant Professor of Applied Criminology B A, Clemson University, 1985, M S, Florida State University, 1986, Ph D, Florida State University, 1990 Date of appointment, 2006

Jeffrey Wayne Neff, Ph D
Associate Professor of Geography B S, Austin Peay State University, 1967, M S, Ph D, University of Tennessee, 1969, 1975 Date of appointment, 1973

Nancy A Newsome, M.L S
Head of Serials and Collection Development and Associate Professor, Hunter Library B A, University of North Carolina at Charlotte, 1976, M L S, University of North Carolina at Greensboro, 1992 Date of appointment, 1995

Jane Nichols, M S D
Assistant Professor of Interior Design A A, Milwaukee Stratton College, 1979, B A, Governor's State University, 2002, M S D, Arizona State University, 2004 Date of appointment, 2004

Linda H. Nicodemus, M A.
Assistant Professor of Communication, Theatre, and Dance B A, Kent State University, 1967, M A, University of Tennessee, 1982 Date of appointment, 2001
Peter Nieckarz, Ph D
Associate Professor of Anthropology and Sociology Ph D, Western Michigan University
Date of appointment 2001

*Terry Randall Nienhuis, Ph D.
Professor of English B A, Western Michigan University, 1967, M A, Ph D, University of Michigan, 1968, 1974 Date of appointment, 1972

*Mary Anne Fritz Nixon, J.D
Professor of Project Management A B, Lenoir-Rhyne College, 1967, J D, North Carolina Central University, 1983 Date of appointment, 1984

*Rita Kay Thomas Noel, Ph D
Professor of Business Computer Information Systems B S, California State University, 1962, M S, Southern Illinois University, 1986, Ph D, University of Tennessee, 1988 Date of appointment, 1988

*Nicholas John Norgaard, Ph D
Professor of Mathematics B S, M S, University of Wisconsin at Platteville, 1965, 1969, M S, Ph D, University of Georgia, 1972, 1975 Date of appointment, 1973

Leslie W. Norris, M.S N
Assistant Professor of Nursing Diploma, Grady Memorial Hospital, 1979, B S N, M S N, Emory University, 1987, 1994 Date of appointment, 2002

Nancy Ann Norris, Ph.D.
Associate Professor of Spanish B A, University of Maryland, 1971, M A, Middlebury College, 1972 Ph D, Indiana University, 1978 Date of appointment, 1989

Valorie E Nybo, Ed D.
Assistant Professor of Health and Human Performance B S, M Ed, University of Southern Mississippi, 1968, 1969, Ed D, University of Tennessee, 1976 Date of appointment, 2000

Joanne O’Connor, M.A.

Sean P O’Connell, Ph.D.
Associate Professor of Biology A S, Sullivan County Community College, 1990, B S, Johnson State College, 1994, Ph D, Idaho State University, 2001 Date of appointment, 2001

Burton R Ogle, Ph D
Associate Professor of Health Sciences B S, University of Tennessee, 1979, M S E H, East Tennessee State University, 1985, Ph D, Virginia Commonwealth University, 1998 Date of appointment, 2002

*Billy T Ogletree, Ph D
Professor of Communication Sciences and Disorders/Human Services B S, University of Southern Mississippi, 1979, M A, Memphis State University, 1981, Ph D, Florida State University, 1988 Date of appointment, 1992

*Cynthia Deale O’Halloran, Ph D
Associate Professor of Hospitality and Tourism B S, University of Puget Sound, 1978, M S, Michigan State University, 1983, Ph D, University of Denver, 1994 Date of appointment, 2005

James I Ordway, M S
Assistant Professor of Chemistry & Physics B S, M S, Western Carolina University, 1994, 2002 Date of appointment, 2005

*Thomas Oren, Ph D
Associate Professor of Special Education/Human Services B A, St Cloud State University, 1970, M A, Eastern Kentucky University, 1975, Ph D, The Pennsylvania State University, 1996 Date of appointment, 1997

Kadence Alexa Otto, Ph D
Assistant Professor of Health and Human Performance B S, Plymouth State College, 1997, M S, Ph D, Florida State University, 2000, 2003 Date of appointment, 2003

Ashley M. Owens, Ph.D
Assistant Professor of Psychology B S, Presbyterian College, Clinton, SC, 2000, M Ed, Ph D, University of Georgia, Athens, 2002, 2005 Date of appointment, 2005

*Stephen Dennis Owens, Ph.D.

William V. Papin, M S.
*Brian E Railsback, Ph D.

Sanjay Rajagopal, D B A
Associate Professor of Finance B A, University of Delhi, 1985, M A, Jawaharlal Nehru University, 1988, M B A, Western Carolina University, 1990, D B A, Mississippi State University, 1997 Date of appointment, 2007

*Mickey Mildred Kay Randolph, Ph D
Professor of Psychology B S, College of Charleston, 1980, M A, Ph D, University of South Carolina, 1985, 1987 Date of appointment, 1988

Ron William Rash, M A
Parris Distinguished Professor in Appalachian Cultural Studies B A, Gardner-Webb College, M A, Clemson University Date of appointment, 2003

*MariSSa S Ray, M A Ed
Assistant Professor of Human Services B A, Florida Atlantic University, 1983, M A Ed, Western Carolina University, 1993 Date of appointment, 2000

Tracie L Rice, Au D.
Assistant Professor of Communication Sciences and Disorders, Clinical Audiologist B S, Western Carolina University, 1997, M A, University of Tennessee, 1999 AuD Audiology, University of Florida, 2002 Date of appointment, 2003

William Richmond, Ph D
Associate Professor of Computer Information Systems B A, Cornell University, 1982, Ph D, Purdue University, 1988 Date of appointment, 2005

Wayne Robbins, M A
Instructor of English B A, Appalachian State University, 1993, M A, East Carolina University, 1996 Date of appointment, 1999

Candace A Roberts, M S

*Lisen C Roberts, Ph D
Associate Professor of Counseling/Human Services B S, M Ed, Keene State College, 1989, 1993, Ph D, University of Tennessee-Knoxville, 1997 Date of appointment, 1997

Phyllis Kathleen Robertson, M.A.Ed
Assistant Professor, Department of Human Services B A, University of North Carolina at Asheville, 1982, M A Ed, Western Carolina University, 1988 Date of appointment, 2005

*Anne Frazer Rogers, Ph D
Professor of Anthropology B A, Southern Illinois University, 1972, M A, Ph D, University of Georgia, 1978, 1982 Date of appointment, 1980

*Chandrika Rogers, Ph D.
Assistant Professor of English B S, St Joseph's College, Bangalore University, 1993, M A, University of Alabama, 1998, Ph D, Northern Arizona University, 2003 Date of appointment, 2004

Jamey D Rogers, M A

Reed Alan Roig, Ph D
Assistant Professor of Accountancy B B A, Kent State University, 1977, M B A, Cleveland State University, 1999, Ph D, Case Western Reserve University, 2005 Date of appointment, 2006

*Marya Frances Roland, M F A
Associate Professor of Art B A, University of California, Berkeley, 1967, M F A, University of Washington, 1988 Date of appointment, 1996

Pamela W Rollins, M S
Assistant Professor of Human Services B A, Political Sciences, North Carolina State University, 1998, M S, Communication Disorders, Western Carolina University, 2002 Date of appointment, 2006

*Terry D Rose, Ph D.
Assistant Professor of Birth-Kindergarten, Elementary and Middle Grades Education B S, M S, Ph D, University of Tennessee, 1981, 1987, 1991 Date of appointment, 1992

Sabine J. Rundle, Ph D
Associate Professor of Biology B A, M A, Indiana University, 1983, 1985, Ph D, University of Illinois, 1991 Date of appointment, 1993
Arthur L. Sahdo, Ph.D.
Assistant Professor of Chemistry B.A., Vanderbilt University, 1994, Ph.D., Wake Forest University, 1999 Date of appointment, 2006

Joseph Baker Sanchelli, LL.M.
Instructor of Law J.D., University of South Carolina School of Law, 1994, LL.M., New York University, 1995 Date of appointment, 2006

Phillip A. Sanger, Ph.D.

Mary Baldwin Sanders, M.S.
Assistant Professor of Health Sciences B.S., University of Alabama, 1975, M.S., Columbia University, 1991 Date of appointment 2006

Sandra M. Saunders, Ph.D.
Assistant Professor of English B.A., Western Carolina University, 1979, M.A., Wake Forest University, 1981, Ph.D., Florida State University, 1995 Date of appointment, 1997

Peter G. Savage, M.F.A.

Marvin L. Schade, M.Ed.
Instructor of Health and Human Performance B.S., Lock Haven University, 1973, M.Ed., Penn State University, 1981 Date of appointment, 2004

Michael Schallock, Ph.D.
Assistant Professor in Music Education B.M.E., University of Southern Mississippi, 1982, M.M., Ohio State University, 1984, Ph.D., University of North Carolina at Greensboro, 2004 Date of appointment, 2003

Krista D. Schmidt, M.S.L.S.
Reference Librarian/Science Liaison and Assistant Professor, Hunter Library B.A., Illinois Wesleyan University, 1994, M.S.L.S., University of North Carolina at Chapel Hill, 2002 Date of appointment, 2003

Max Moise Schreiber, Ph.D.
Associate Professor of Management B.A., M.A., Ph.D., University of South Carolina, 1971, 1975, 1978 Date of appointment, 1977

Lori A. Schrodt, M.S.
Assistant Professor of Physical Therapy B.S., Ithaca College, NY, 1992, M.S., UNC-Chapel Hill, 2000 Date of appointment, 2004

Debra F. Schwartz, M.A.
Intramural Director of Health and Human Performance B.S., Old Dominion, 1987, M.A., University of Maryland, 1989 Date of appointment, 1998

*Valerie L. Schwebert, Ph.D.

James R. Scifers, D.Sc.PT
Associate Professor of Health Sciences B.S., East Stroudsburg University of Pennsylvania, 1990, M.P.T., Emory University, 1994, D.Sc PT., University of Maryland, Baltimore, 2003 Date of appointment, 2003

Michelle L. C. Scifers, M.P.T.
Instructor of Health Sciences B.S., University of Georgia, 1990, M.P.T., Emory University, 1994 Date of appointment, 2006

Lori Beth Seischab, Ph.D.
Assistant Professor of Biology B.S., Rochester Institute of Technology, 1994, Ph.D., State University of New York at Stony Brook, 2002 Date of appointment, 2005

Anjana R. Sharma, Ph.D.
Instructor of Biology B.S.C., M.S.C., Bhavan’s College, Maharashtra, India, 1993, 1995, M.S., Ph.D., University of Tennessee, 1999, 2003 Date of appointment, 2004

*David Allen Shapiro, Ph.D.
Professor of Communication Sciences and Disorders/Human Services M.S., University of Vermont, 1977, Ph.D., Indiana University, 1984 Date of appointment, 1984

*John J. Sherlock, Ed.D.
Assistant Professor of Human Resources/Human Services B.S., James Madison University, 1982, M.B.A., University of Maryland, 1988, Ed.D., George Washington University, 2000 Date of appointment, 2002
Adria E. Shipp, M.A Ed.
Instructor of Communication, Theatre, and Dance BA, University of North Carolina at Chapel Hill, 2001, M.A Ed., Western Carolina University, 2004 Date of appointment, 2004

Jack Sholder, B.A.
Professor of Communication, Theatre, and Dance BA, Antioch College, 1968 Date of appointment, 2004

Bradford L Sims, Ph.D
Department Head and Associate Professor of Construction Management B.S., Purdue University, 1990, M.S., University of Florida, 1996, Ph.D., Purdue University, 1999 Date of appointment, 2002

Elizabeth Simmons-Rowland, M.S.N
Assistant Professor of Nursing B.S.N., Northeastern University, 1977, M.S., Boston University, 1980 Date of appointment, 1989

Debby F Singleton, M.A Ed.

*Donald N. Smith, Jr., Ph.D.
Associate Professor of English B.A., Ph.D., University of North Carolina at Chapel Hill, 1962, 1974 Date of appointment, 1993

Jacqueline T Smith, E.D.S
Assistant Professor, Educational Leadership and Foundations B.A., University of North Carolina at Asheville, 1992, M.A., E.D.S., Western Carolina University, 1996, 2002 Date of appointment 2005

Jason K. Smith, M.A
Lecturer of Communication, Theatre and Dance B.A., Rhode Island Communication Studies Rhetoric, 1999, M.A., University of Hartford Date of appointment 2006

Michael Eugene Smith, Ph.D.
Associate Professor of Management B.S., Oregon State University, 1980, M.A., Hollins University, 1981, M.A., SUNY Stony Brook, 1986, Ph.D., Portland State University, 2000 Date of appointment, 2000

Jonathan L. Snover, Ph.D.
Director of Science and Entrepreneurship and Assistant Professor of Chemistry B.A Middlebury College, 1991, Ph.D., Princeton University, 1996 Date of appointment 2005

Amanda Song, Ph.D
Lecturer/Instrumentation Specialist in Chemistry B.S., University of Petroleum, East China (Huadong), 1991, M.S., University of Petroleum, Beijing, China, 1996, Ph.D., South Dakota School of Mines and Technology, 2004 Date of appointment 2005

*Eldred Spell, Ph.D.
Professor of Music B.M., Furman University, 1975, M.M., East Carolina University, 1977, Ph.D., Michigan State University, 1990 Date of appointment, 1990

*Austin Harvey Spencer, Ph.D
Professor of Finance B.A., Oberlin College, 1961, M.A., Ph.D., Indiana University, 1962, 1972 Date of appointment, 1980

William C. Spencer, Ph.D.
Assistant Professor of English B.A., Mercer University, 1978, M.A., Ph.D., University of Tennessee, Knoxville, 1981, 1993 Date of appointment 2006

Barbara L. St. John, D.N.S
Assistant Professor of Nursing B.A., Chestnut Hill College, 1970, A.A., Coastal Carolina Community College, 1980, B.S.N., University of Maryland, 1990, M.S.N., University of San Diego, 1994, D.N.S., Catholic University of America, 2002 Date of appointment, 2003

Wilson M. Stahl, M.S.L.S

*Richard D Starnes, Ph.D
Department Head, Senior Research Associate, Mountain Heritage Museum, and Associate Professor of History B.S., M.A., Western Carolina University, 1992, 1994, Ph.D., Auburn University, 1999 Date of appointment, 2000

Kathy A. Starr, Ph.D
Associate Professor of Physical Therapy B.A., Florida State University, 1973, M.S.B., Western Carolina University, 1986, M.S.A., Ph.D., Albany Medical College, 1990, 1992 Date of appointment, 1996

April D. Stepp, M.S.
Donnie C. Stepp, Jr, M.A.

Christine Dorrester yen Stevens, Ed.D.
Professor of Health Sciences A B, Clark University, 1965, B S M T, Western Carolina University, 1986, M A, Duke University, 1968, Ed D, University of Tennessee, 1989 Date of appointment, 1988

Susan C. Stewart, Ph D
Professor of Human Services B A, Lycoming College, 1970, M Ed, Ph D, University of Florida, 1974, 1981 Date of appointment, 2004

Ronnie L. Stillwell, M.B A.

Wesley L. Stone, Ph D
Assistant Professor of Engineering and Technology B S, University of Texas at Austin, 1988, M S, Penn State University, 1996, Ph D, Georgia Institute of Technology, 2003 Date of appointment, 2004

David Strahan, Ed D
The Taft B Botner Distinguished Professorship B S, M Ed, Miami University, 1971, 1972, Ed D, University of Cincinnati, 1979 Date of appointment, 2004

Bradley E. Sturgeon, Ph.D.
Assistant Professor of Chemistry B S, M S, Illinois State University, 1987, 1989, Ph D, University of California at Davis, 1994 Date of appointment, 2003

Jack Summers, Ph.D.
Assistant Professor of Chemistry B S, University of West Florida, 1983, Ph D, Georgia Institute of Technology, 1989 Date of appointment, 2003

Lewis Franklyn Sutton, Ph.D.
Professor of French A B, M A, Ph D, University of North Carolina at Chapel Hill, 1958, 1962, 1966 Date of appointment, 1969

*Susan L Swanger, Ph.D
Associate Professor of Accountancy B B A, Kent State University, 1977, M B A, Western Carolina University, 1993, Ph D, University of South Carolina, 1998 Date of appointment, 1997

*Vicki Szabo, Ph D.
Associate Professor of History B A, Kalamazoo College, 1992, M A, Ph D, Cornell University, 1996, 2000 Date of appointment, 2001

Masafumi Takeda, ED S.
Instructor and Asian Studies Coordinator of Modern Foreign Languages B A, Tokyo International University, 1977, M A T, Willamette University, 1998, ED S Western Carolina University, 2005 Date of appointment, 2006

April C Tallant, M H.S.
Assistant Professor of Health Sciences B S, M H S, Western Carolina University, 1996, 2001 Date of appointment, 2003

*Benjamin R Tanner, Ph.D
Assistant Professor of Geosciences and Natural Resources Management B S, Florida State University, 1999, M S, University of Maine, 2001, University of Tennessee at Knoxville, 2005 Date of appointment, 2005

Erin E. Tapley, Ph.D.
Associate Professor of Art B S, Skidmore College, 1991, M F A, University of Alabama, 1994 Date of appointment, 2005

Charles E. Taylor, M PH
Assistant Professor of Health Sciences A A S, AB Tech Community College, 1991, B S, Western Carolina University, 1995, M PH, University of Tennessee, 2004 Date of appointment, 2005

James J Taylor, Ph D.
Assistant Professor of Hospitality and Tourism B S, University of Southern Mississippi, 1991, M B A, University of South Florida, 1994, Ph D, University of Southern Mississippi, 2005 Date of appointment, 2005

Russell W Teasley, Ph.D.
Assistant Professor of Project Management B S, North Carolina State University, 1970, M S, Western Carolina University, 1988, Ph D, University of South Carolina, 1998 Date of appointment, 2004
Mary Spivey Teslow, M.LIS.
Assistant Professor of Health Sciences BS, Governors State University, 1976, BS, University of Illinois, Chicago, 1981, M.LIS., University of South Florida, 1994 Date of appointment, 2003

Ben F Tholkes, Ph D
Associate Professor of Health and Human Performance AA, Rochester Community College, 1970, BS, M.S., Mankato State University, 1972, 1989, Ph D., University of Minnesota, 1994 Date of appointment, 1993

*Michael Thomas, Ph D
Assistant Professor of Project Management BTP, University of New South Water, 1987, MPM, Western Carolina University, 1992, Ph D., James Cook University, 1998 Date of appointment, 2001

James P W Thompson, Ph D
Professor of Art BA, Williams College, 1968, M A , Institute of Fine Arts, 1972, Ph D., University of North Carolina at Chapel Hill, 1985 Date of appointment, 1989

Shannon L Thompson, D.M A
Associate Professor of Music BA, University of Oregon, 1986, M M., Boston University, 1988, D M A , The University of Texas, 1997 Date of appointment, 1997

Richard Tichich, M F A
Department Head and Professor of Art BS, Saint John's University, 1969, M A , University of Iowa, 1971, M.F.A., University of Texas at San Antonio, 1979 Date of appointment, 2006

Sandra Tonnosen, Ph D
Assistant Professor, Department of Educational Leadership and Foundations BA, University of South Carolina, 1973, M A T , University of South Carolina, 1978, Ed S., University of South Carolina, 1981, Ph D., University of South Carolina, 1982 Date of appointment, 2005

Blair R. Tormey, M S

Reid C. Toth, Ph D.
Assistant Professor of Applied Criminology BS, M C J , Ph D., University of South Carolina, 1992, 1994, 1999 Date of appointment, 2006

Rey A Trevino, Jr.

David C Trigg, M D
Assistant Professor of Health Sciences BS, Spring Hill College, 1971, M D., University of Alabama, 1974 Date of appointment, 1985

Mardy M. Troy, Ed.D
Assistant Professor of Health and Human Performance BS, MLS, M.S., Ed D., University of Alabama, 1971, 1980, 1988, 1992 Date of appointment, 2002

Charles B Tucker, M S N
Assistant Professor of Nursing BS, Western Carolina University, 1988, M S N., Gardner-Webb University, 2002 Date of appointment, 2004

*James David Turner, Ed D
Associate Professor of Industrial and Engineering Technology BS, Western Carolina University, 1969, M A Ed., East Carolina University, 1973 Ed D., Clemson University, 1989 Date of appointment, 1986

Chris M Tuten, Ph D
Instructor of Health and Human Performance BS, Western Illinois University, 1976, Specialist Degree in Psychology, Iowa State University, 1982, Ph D., University of South Carolina, 1990 Date of appointment, 2004

James H Ullmer, Ph D
Assistant Professor of Economics BA, M.E., University of Wisconsin-Green Bay, 1972, 1977, Ph D., University of Tennessee, 1996 Date of appointment, 1999

P Bradley Ulrich, D M A
Professor of Music BM, Florida State University, 1984, M M., D M A., University of Illinois, 1986, 1989 Date of appointment, 1989

Kevin L Unrath, M L S
Head of Access Services and Assistant Professor, Hunter Library BA, New College of Florida, 1998, M L S, University of Illinois, 2000 Date of appointment, 2007

Lori E. Unruh, Ph.D.,
Assistant Professor, Department of Psychology Wichita State University, 1979, M S, Eastern Kentucky University, 1987, Ph D., University of Kansas, 1994 Date of appointment, 2005


*Pamela J. Vesely, M Ed.
Assistant Professor of Special Education/ Human Services BS, Presbyterian College, 1982 M Ed, Vanderbilt University, 1996 Date of appointment, 2001

Bart R. Voskuil, M.L.I.S.
Reference Librarian/Environmental and Geosciences Liaison and Assistant Professor, Department of Library, B.A., University of Wisconsin at Green Bay, 1993, M.L.I.S., University of Wisconsin at Milwaukee, 1986 Date of appointment, 2006

Daniel L Wahl, MFA
Lecturer of English B.A., Creative Writing, Southwest Minnesota State University, 2002, M.F.A., Minnesota State University 2005 Date of appointment, 2006

Deborah F Walter, M.S.

Yishi Wang, Ph D
Assistant Professor of Mathematics B.A., University of Science and Technology, 1998, M.A. Zhongshan University 2001, M.A., Ph D., Binghamton University, 2003, 2006 Date of appointment, 2006

Wen-Chun Wang, Ed.D.

Cheryl Waters-Tormey, Ph D
Assistant Professor of Geology B.S., Duke University, 1995, M.S., University of North Carolina-Chapel Hill, 1999, Ph D., University of Wisconsin-Madison, 2003 Date of appointment, 2004

Todd Watson, D.P.T.

Deborah J Webb, Ph.D.
Associate Professor of Marketing and Business Law B.B.A., Mercer University, 1988, M.B.A., Ph D, Georgia State University, 1992, 1999 Date of appointment, 2006

Sandra K. Weden, M A.Ed.
Instructor of Communication, Theatre, and Dance B.S Ed., M A Ed., Western Carolina University, 1974, 2000 Date of appointment, 2003

Gayle Maddox Wells, Ph D

Keith Wells, M.S.N
Assistant Professor of Health Sciences Associate Degree in Emergency Medicine (EMT-P), Guilford Technical Community College, 1996, B.S.N., Winston-Salem State University, 2000, M.S.N., University of North Carolina-Chapel Hill, 2006 Date of appointment, 2006

*John Thomas West, Ph D
Band Director and Professor of Music B.A., University of South Florida, 1976, M.M.E., Ph D., Florida State University, 1982, 1985 Date of appointment, 1985

*David L Westling, Ed D

Barbara J White, M B A

**Hedy Judith White, Ph D
Professor of Psychology B.A., Skidmore College, 1963, M.A., California State University, 1978, Ph D., Claremont Graduate School, 1982 Date of appointment, 1983

Karen Adelett White, M S
Nutritionist in Health Services and Assistant Professor of Health Sciences B.S., University of Massachusetts at Amherst, 1994, M.S., University of Arkansas for Medical Sciences, 1996 Date of appointment, 1999

Shara L. Whittford, M A.
John F Whitmire, Jr, Ph.D
Assistant Professor of Philosophy and Religion
B.A., Wake Forest University, 1997  M.A.,
Ph.D., Villanova University, 1999, 2005  Date 
of appointment, 2005

Peter Whittaker, M H.S.
Assistant Professor of Health Sciences
Registered Sanitarian, NC Board of Sanitarian Examiners,  B.S.,  B.S.,  M.H.S., Western 
Carolina University, 1981, 1993, 2003  Date of 
appointment, 2004

Denise A Wilfong, M H S
Assistant Professor of Health Sciences  B.S.,
M.H.S., Western Carolina University, 1994, 
2000  Date of appointment, 2001

Dolores Willey, J D
Assistant Professor of Marketing and Business 
Law  B.A.,  Maryville College, 1974,  J.D.,
University of Tennessee, 1977,  Ed.S., 
Appalachian State University, 2004  Date of 
appointment, 2004

John A Williams, Ph D
Department Head and Director of Forensic 
Anthropology, Professor of Anthropology  B.S., Lake Erie College, 1975,  M.A.,  Ph.D.,
Ohio State University, 1976, 1980  Date of 
appointment, 2003

Mitchell Williams, Ed D
Assistant Professor of Educational Leadership and 
Foundations  B.A.,  Hamilton College, 1988,  M.A.,
Georgetown University, 1980,  M.A.Ed., Western Carolina University, 1998,  
Ed.D., North Carolina State University, 2001  Date of 
appointment, 2004

*Harold J. Williford, Ed D
Associate Professor of Mathematics  A.B.,
Pfeiffer College, 1966,  M.Ed.,Ed.D., University 
of Georgia, 1967, 1970  Date of appointment, 
1990

Ralph Houston Willis, M A
Associate Professor of Mathematics  B.S.,
M.A., Middle Tennessee State University, 1964, 1966  Date of appointment, 1968

Pavel Wlosok, M M
Assistant Professor in Music  B.M., M.M.,
University of North Texas, 1998, 2000  Date of 
appointment, 2002

Stephen Wohlrab, M M
Assistant Professor of Music  B.M.E., Berklee 
College of Music, 1977, M.M., University of 
Miami, 1987  Date of appointment, 2006

Carol M Woodson, Ph.D
Assistant Professor of Construction  Management  B.S., Wesleyan College, GA, 1974,  B.S.,  M.A.,  Ph.D., University of Florida, 
1984, 1996, 2002  Date of appointment, 2004

Kathleen Sandquist Wright, Ph D
Professor of Communication  B.A., Texas 
Lutheran College, 1969,  M.A., Ph.D., Bowling 
Green State University, 1971, 1974  Date of 
appointment, 1973

*Laura L. Wright, Ph D
Assistant Professor of English  B.A.,
Appalachian State University, 1992,  M.A., East 
Carolina University, 1995,  Ph.D., University 
of Massachusetts, 2004  Date of appointment, 
2005

Murat Yayan, M.A
Instructor of English  A.A., A-B Technical 
Community College, 1991,  B.A., UNC- 
Asheville, 1994,  M.A., Western Carolina 
University, 2001  Date of appointment, 2002

Paul M Yanik, M S
Assistant Professor of Engineering and 
Technology  B.S., M.S., North Carolina 
University, 1989, 1995  Date of appointment, 
2005

Hong (Windy) Yin, Ph D
Assistant Professor of Management  B.E., 
Tianjin University, 1992,  M.B.A., Tsinghua 
University, 2000,  Ph.D., University of Texas at 
Dallas, 2005  Date of appointment, 2005

Marc R Yops, M A
Associate Professor of Interior Design  A.F.A., 
Monroe County Community College, 1969,  
B.A., M.A., Michigan State University, 1971,  
1973  Date of appointment, 1992

Alessia R. Zann-Yost, M L I S
Reference Librarian/Visual and Performing 
Arts Liaison and Assistant Professor, Hunter 
Library  B.A., California State University, 1997, 
M.A., University of California at Davis, 2000,  
M.L.I.S., San Jose State University, 2003  Date 
of appointment, 2005

Clinton D. Young, Ph.D
Assistant Professor of History  B.A., University 
of Rochester, 1998,  M.A., University of 
California at San Diego, 2001  Ph.D., University 
of California, 2006  Date of appointment, 
2006
Robert S. Young, Ph.D.
Professor of Geology B.S., College of William and Mary, 1987, M.S., University of Maine, 1990, Ph.D., Duke University, 1995 Date of appointment, 1997

Steven Peter Yurkovitch, Ph.D.
Professor of Geology B.S., University of Dayton, 1966, Sc M., Ph.D., Brown University, 1968, 1972 Date of appointment, 1971

Jayne E. Zanglein, J.D.
Assistant Professor of Business Law BME, Berklee College of Music, 1975, J.D., SUNY at Buffalo, 1980 Date of appointment, 2005

James Zhiming Zhang, Ph.D.
Associate Professor of Engineering and Technology B.S.E., Hunan University, 1986, M.A., Indiana University, 1993, M.S.E., Ph.D., Purdue University, 1993, 2002 Date of appointment, 2003

Tracy L. Zontek, Ph.D.
Assistant Professor of Health Sciences B.S., Clarkson University, 1992, M.S.P.H., UNC-Chapel Hill, 1994, Ph.D., University of Nebraska - Lincoln, 2006 Date of appointment, 2003

* Member of the Graduate Faculty
** Part-time appointment
*** On leave
Part-Time Faculty

**Department of Accountancy, Finance, and Entrepreneurship**
John Richardson

**Department of Anthropology and Sociology**
Lisa J Lefler
Michael Maher

**Department of Applied Criminology**
William Hollingsed
Glenn E Robinson
Department of Art
Brenda Coates
Fitzallen Eldridge
Robert Gardner
Roger Gonce
James K Kirkpatrick
Barbara Nussdorfer-Eblen
Kevin Palme
George Rector
Norma Smith
James Smythe
Alessia Zanin-Yost
Department of Biology
Carla Weidner

**Department of Birth-Kindergarten, Elementary and Middle Grades Education**
Julie Aiken
Sandra Blevins
Louise Burrell
Diane Chadwick
Nada Cooke
Charles Cutshall
Leslie Dougherty
Jann Graham
Sharon Loftis
Carolyn B Meigs
Lynn Milner
Sarah T Meltzer
Kirsten M Morgan
Jacque Penuck
Paige Prakke
Zora Rhodes
Beverly Williams

**Department of Business Computer Information Systems and Economics**
Fred Goddard

**Department of Chemistry and Physics**
Karen L Butcher
Franklin Glenn Liming

**Department of Communication, Theatre, and Dance**
Steve Carlisle
Rebecca Caldwell
Debra L Connelly
Michael Caudill
Claire Eye
Susan L Giusto
Suzan Hawley
Glenda Hensley-Dean
Crystal Johnson
Amy Kohler
Shirley Livingston
Douglas Maynard
Cherie Miller
Linda Nicodemus
Viane Payne
Peter Savage
Adria Shipp
Robin Sumner
Claudia Trine
Sandra K Weden

**Department of Educational Leadership and Foundations**
Cynthia Callaway
Gene C Couch Jr
Elizabeth Gray
Sandra Mazza
S Ivan Randolph
K Gary Waddell

**Department of Geosciences and Natural Resources Management**
Brian Bennett
Kenneth Hollingsworth
Anita Katharina Oser

**Department of Health and Human Performance**
Kent Briggs
Mike Craft
Jim Dean
John E Duncan
Eric Filipiec
Sam E Fowlkes
Myron Jackson
Donnie Kirkpatrick
Anquell McCollum
David Napert
Brian Peabody
Todd Raleigh
David Reeves
Matt Raleigh
Steve Shurina
Otto H Spilker
Jane B Sullivan
Todd Varn
Adjunct Faculty

Lacy H. Thornburg, J.D.
Adjunct Professor of Political Science and Applied Criminology. Former Attorney General of North Carolina. Date of appointment, 1993.

Mary Jo Allen, Ph.D.
Adjunct Associate Professor of Educational Leadership and Foundations Director, North Carolina Center for the Advancement of Teaching. Date of appointment, 1997.

Jack Allison, Ph.D.
Adjunct Assistant Professor of Health Sciences. EMS researcher, educator, author, and administrator. Date of appointment, 2006.

Barbara Bell, M.A Ed
Adjunct Assistant Professor of Nursing. Date of appointment, 1993.

Richard E. Blalock, Ph.D.
Adjunct Assistant Professor of Psychology Supervisor, Psychological Services, Buncombe County Schools. Date of appointment, 1994.

Wesley D. Bonds, Ph.D.
Adjunct Assistant Professor of Chemistry. Date of appointment, 2001.

Alesia Carpenter, M.S.
Adjunct Assistant Professor in Nursing. Director, New Patient Simulation Lab through the Duke Endowment. Date of appointment, 2005.

Jonathan A. Coddington, Ph.D.

John DiBari, Ph.D.
Adjunct Assistant Professor in Geosciences and Natural Resources Management. Dr DiBari has two grant funded research projects administered by Western Carolina University. Date of appointment, 2006.

Gerald Doering, Ph.D.
Adjunct Associate Professor in Educational Leadership and Foundations Coordinator of Curriculum and Testing, K-12, Cherokee Central School. Date of appointment, 1994.

Kendall A. Gilligan, M.D.
Adjunct Professor of Health Sciences Emergency Medicine, Harris Regional Hospital. Date of appointment, 1996.

Hettie Garland, Ed.D.
Adjunct Assistant Professor of Nursing. Director of Regional Education Program, Mountain Area Health Education Center. Date of appointment, 1980.

Kathryn Greeley, M.S.
Adjunct Instructor of Human Environmental Sciences. Owner, Noland Interiors, Inc. Date of appointment, 1985.

Deborah Green, Ph.D.
Adjunct Assistant Professor of Health Sciences. Manager for Medical and Scientific Affairs in the Molecular Division of Roche Diagnostics Corporation. Date of appointment, 2003.

Ed D. Hamlin, Ph.D.
Adjunct Associate Professor of Psychology. Date of appointment, 2003.

Lou Hammond, M.S.
Adjunct Assistant Professor of Nursing. Vice President of Operations, Women and Children’s Health Services and Nurse Executive, Mission-St Joseph’s Health System. Date of appointment, 1997.

Todd Hatley, M.H.A.
Assistant Professor of Health Sciences. Research Assistant Professor and PreMIS Clinical Research Associate Director, Department of Emergency Medicine, University of North Carolina at Chapel Hill. Date of appointment, 2003.

Seth Hawkins, M.D.
Assistant Professor of Health Sciences. Associate Editor of Wilderness Medicine magazine. Burke County Emergency Medical Services Assistant Medical Director of Special Operations.

Robert P. Higgins, Ph.D.
Adjunct Professor of Biology. Curator, Department of Invertebrate Zoology, National Museum of Natural History, Smithsonian Institution. Date of appointment, 1989.

Joseph Hurt, M.D.
Adjunct Associate Professor of Health Sciences. Director of Pathology, Harris Regional Hospital. Date of appointment, 1985.

Tanom Intarakumnerd, Ed.D.
Adjunct Professor of Education. Director of Planning Division, Department of Teacher Education, Ministry of Education, Thailand. Date of appointment, 1991.
Lee Isley, M.B.A
Adjunct Assistant Professor of Health Sciences Vice President for Strategic Services at WestCare Health System in Sylva Date of appointment, 2002

Annette L. Jacobs, M.S.
Adjunct Instructor of Recreational Therapy Asheville YMCA Date of appointment, 1985

Karen Kandl, Ph.D.
Adjunct Assistant Professor of Biology Renowned Ecologist Date of appointment, 2006

Randy Kearns, Ph.D
Adjunct Assistant Professor of Health Sciences Director of FirstHealth of the Carolinas in Pinehurst, North Carolina Date of appointment, 2002

Robin M Kowalski, Ph.D
Adjunct Professor of Psychology Faculty member at Clemson University Date of appointment, 2004

Lisa Leatherwood, M.S.N
Adjunct Assistant Professor of Nursing Director of Nursing, Silver Bluff Date of appointment, 1997

Lisa J Lefler, Ph.D
Adjunct Assistant Professor in Anthropology and Sociology Assistant Professor/Adjunct Faculty at the University of Oklahoma, Department of Anthropology Date of appointment, 2000

Nina Marable, Ph.D
Adjunct Assistant Professor of Health Sciences Date of appointment, 2006

Melvin Marx, Ph.D
Adjunct Research Professor of Psychology Distinguished Professor at WCU Date of appointment, 1991

Henderson McGinnis, M.D
Adjunct Assistant Professor of Health Sciences Clinical Instructor, Department of Emergency Medicine, Wake Forest University Medical Director for Air Care Critical Care Transport, Winston-Salem and Wilkes County EMS Date of appointment, 2007

Roger Metcalf, Ed.D.
Adjunct Associate Professor of Educational Leadership and Foundations Director, Regional Educational Service Association Date of appointment, 1995

Sheila Price, M.S
Adjunct Instructor of Nursing Vice President of Nursing, Harris Regional Hospital Date of appointment 1997

David Reeves, M.Ed.
Instructor of Health Sciences Department Chair of Emergency Medical Science, Guilford Technical Community College Date of appointment, 2003

G. Chase Robinson, M.D
Adjunct Assistant Professor of Health Sciences Member of the anesthesiology group at Harris Regional Hospital Date of appointment, 2002

William L Selby, M.D
Adjunct Professor of Health Sciences Physician, Harris Regional Hospital Date of appointment, 1996

Paul Super
Adjunct Assistant Professor of Biology Director of the Appalachian Highlands Learning Center at Purchase Knob in the Great Smoky Mountain National Park Date of appointment, 2006

Gary R Wein, Ph.D
Adjunct Assistant Professor of Biology Executive Director of the Highlands-Cashiers Land Trust Date of appointment, 2006

Richard Williams, Ph.D
Adjunct Assistant Professor of Nursing and the College of Applied Sciences/Gerontology and Palliative care Date of appointment, 2004

Ohn R Wood, Ed.D.
Adjunct Professor of Education Vice President of Instructional Services, Asheville-Buncombe Technical Community College Date of appointment, 1982
Emeriti

John Adams, Ph D
Maynard F Adams, Ed D
J C Alexander
J Harold Anderson, Ed D
Silas Stuart Anderson, Ph D
William L Anderson, Ph D
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Lewis Franklin Sutton, Ph D
Reuben Joseph Swanson, Ph D
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C Claude Teagarden, J D
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Robert Richard Trevathan Jr., M M
Ralph Trepplette, Ph D

Professor of Management and International Business
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Joe Walters, Ed D
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Samuel Edwin White, Ed S
Bert Lloyd Wiley, M A
Max Ray Williams, Ph D
Minor Paul Wilson, M A Ed
Curtis Wood, Ph D
Royce Stanley Woosley, Ph D
C Paul Wright, Ph D
Hubert Youmans, Ph D
Mary M Youmans, M Ln
Lillian Bird Zachary, Ed D

Professor of Music
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