Western Carolina University is committed to equality of educational opportunity and does not discriminate against applicants, students, or employees based on race, color, national origin, religion, sex, age, sexual orientation, or disability. Moreover, Western Carolina University is open to people of all races and actively seeks to promote racial integration by recruiting and enrolling a larger number of African American and other minority students.

For information concerning affirmative action policies and procedures, contact the Affirmative Action Office, 530 H F Robinson Administration Building, Western Carolina University, Cullowhee, North Carolina 28723; 828-227-7116.

Western Carolina University publishes two issues of The Record, the Undergraduate Catalog, and the Graduate Catalog. Both describe academic programs, regulations, and policies.

Copies of the appropriate issues are made available to students registered at the university, high school principals and guidance counselors, college and university libraries, and public and private high schools and institutions of higher learning in North Carolina. Additional copies are available from the WCU Bookstore. Find an online version at this Internet address: www.wcu.edu

Eighteen thousand copies of this public document were printed at a cost of $14,976, or $0.83 per copy.

THE WESTERN CAROLINA UNIVERSITY RECORD

Volume LXXV  April 1999  Number 1

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

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.
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ACADEMIC CALENDAR

Fall Semester 1999

August 2, Monday

August 15, Sunday, noon
August 15-17, Sunday-Tuesday
August 16, Monday
August 16, Monday, 3-6 p.m
August 17, Tuesday 9-11 a.m

11-1 p.m
1-4 p.m
August 18, Wednesday, 9 a.m-4 p.m
August 19, Thursday, 8 a.m
August 19-25, Thursday-Wednesday
September 4-6, Saturday-Monday
September 7, Tuesday, 8 a.m
October 9-12, Saturday-Tuesday
October 13, Wednesday, 8 a.m
October 14, Thursday
October 18, Monday

October 18-November 5, Monday-Friday
November 4, Thursday
November 24-28, Wednesday, 8 a.m-Sunday
November 29, Monday 8 a.m
December 9, Thursday
December 10, Friday
December 11-17, Saturday-Friday
December 18, Saturday, 2 p.m
December 18, Saturday

Class schedules of all undergraduate students who preregistered and have not paid will be cancelled
Residence halls open to only freshmen
Orientation for new students
Residence halls open to all students
Registration in Asheville
Registration in Cullowhee for new and transfer students
Returning and continuing students
Drop-add
Registration and drop add continues
All classes begin
Late registration and schedule changes in Cullowhee
Labor Day holiday
Classes resume
Fall holiday
Classes resume

Late day to drop a course with a “W”
Last day for students completing programs in May to file degree application in dean’s office

Academic advisement for spring semester
and early registration in Cullowhee
(All Monday classes meet)
Thanksgiving holiday

Classes resume
Last day of classes
Reading day
Final examinations
Commencement
Christmas holiday begins

Spring Semester 2000

January 9, Sunday, noon
January 10, Monday, 3-6 p.m
January 10, Monday
January 11, Tuesday, 9-11 a.m

11-1 p.m
1-4 p.m
January 12, Wednesday, 8 a.m
January 12-19, Wednesday-Wednesday

January 17, Monday
March 4-12, Saturday-Sunday
March 13, Monday, 8 a.m
March 13, Monday

Residence halls open for all students
Registration in Asheville
Orientation for new students
Registration in Cullowhee for new and transfer students
Returning and continuing students
Drop-add
All classes begin
Late registration and schedule changes in Cullowhee
Martin Luther King Jr birthday holiday
Spring holiday
Classes resume

Last day to drop a course with a “W”

1 A late registration fee of $10 will be charged
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 13, Monday</td>
<td>Last day for students completing programs in summer/fall to file degree application in dean's office</td>
</tr>
<tr>
<td>March 20-April 7,</td>
<td>Academic advising for summer and fall semester and early registration in Cullowhee (All Monday classes meet)</td>
</tr>
<tr>
<td>Monday-Friday</td>
<td>Easter holiday</td>
</tr>
<tr>
<td>April 5, Wednesday</td>
<td>Classes resume</td>
</tr>
<tr>
<td>April 21-23, Friday, 8 a.m-Sunday</td>
<td>Last day of classes</td>
</tr>
<tr>
<td>April 24, Monday, 8 a.m</td>
<td>Final examinations</td>
</tr>
<tr>
<td>May 5, Friday</td>
<td>Commencement</td>
</tr>
<tr>
<td>May 6-12, Saturday-Friday</td>
<td></td>
</tr>
<tr>
<td>May 13, Saturday, 2 p.m</td>
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**Summer Term 2000**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>May 25, Thursday, 4-6 p.m</td>
<td>Registration in Asheville</td>
</tr>
<tr>
<td>May 29, Monday, 9 a.m-4 p.m</td>
<td>Registration in Cullowhee</td>
</tr>
<tr>
<td>May 29, Monday, 8 a.m</td>
<td>Classes begin</td>
</tr>
<tr>
<td>May 29, Monday-August 4, Friday</td>
<td>Summer session (ten-week session)</td>
</tr>
<tr>
<td>May 29, Monday-July 3, Monday</td>
<td>First summer session (five-week session)</td>
</tr>
<tr>
<td>July 4, Tuesday, 9 a.m-4 p.m</td>
<td>Registration in Cullowhee</td>
</tr>
<tr>
<td>July 4, Tuesday, 8 a.m</td>
<td>Classes begin</td>
</tr>
<tr>
<td>July 4, Tuesday-August 4, Friday</td>
<td>Second summer session (five-week session)</td>
</tr>
<tr>
<td>August 4, Friday, 7 p.m</td>
<td>Commencement</td>
</tr>
</tbody>
</table>

**TELEPHONE NUMBERS**

Area Code 828

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<th>Service</th>
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<tr>
<td>Academic Advising and Retention Services</td>
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<td>Academic Affairs</td>
<td>227-7495</td>
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<tr>
<td>Admissions, Readmissions</td>
<td>227-7317</td>
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<td>Bookstore</td>
<td>227-7346</td>
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<tr>
<td>Career Services</td>
<td>227-7133</td>
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<td>Employment, Student</td>
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<td>Fees</td>
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<td>Financial Aid, Loans, Scholarships</td>
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Western Carolina University is a comprehensive university within The University of North Carolina, offering a broad array of undergraduate and graduate programs in the arts, sciences and professions. The University serves the people of North Carolina from its residential main campus at Cullowhee, situated between the Blue Ridge and Great Smoky Mountains, and through its resident credit programs in Asheville and Cherokee.

**Mission**

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

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

**Aspirations**

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

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

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

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

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

**Location**

Western Carolina University is located in the scenic Appalachian mountain ranges at Cullowhee, North Carolina. The university consists of the main campus in Cullowhee and resident credit centers in Asheville and Cherokee. A faculty of about 335 serves a student body of almost 6,700 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. The university provides a bus service between Sylva and Cullowhee for students. Private taxi service also is available.

The central campus consists of about 265 acres, including beautifully wooded areas and modern academic, student residence, recreation, and athletic facilities.
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 degrees at the baccalaureate, master's, education specialist, and doctorate levels. In addition to this institutional accreditation, other special accreditation by appropriate agencies includes these:

- AACSB-The International Association for Management Education
- American Association of Family and Consumer Sciences
- American Chemical Society
- American Dietetic Association (Approved Didactic Program in Dietetics)
- 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 EMT-Paramedic
- Council for Accreditation of Counseling and Related Educational Programs
- Council on Social Work Education
- Foundation on Interior Design Education Research (FIDER)
- National Accreditation Council for Environmental Health Science and Protection
- National Accrediting Agency for Clinical Laboratory Sciences
- National Association of Schools of Music
- National Council for Accreditation of Teacher Education
- National Kitchen and Bath Association Endorsement
- National League for Nursing
- North American Society for Sport Management/National Association of Sport and Physical Education
- North Carolina Board of Nursing
- North Carolina Department of Public Instruction
- Project Management Institute
- Technology Accreditation Commission of the
  Accreditation Board for Engineering and Technology, Inc (Manufacturing Engineering
  Technology and Electronics Engineering Technology)

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

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

A varied academic program is offered by the university’s five colleges. Through the Graduate School, the university offers graduate degree programs in numerous major areas leading to the Master of Accountancy, Master of Arts, Master of Arts in Education, Master of Arts in Teaching, Master of Business Administration, Master of Health Sciences, Master of Physical Therapy, Master of Project Management, Master of Public Affairs, Master of School Administration, Master of Science, Master of Science in Nursing, the Education Specialist in Educational Leadership, and the Doctor of Education. The programs leading to these degrees are listed in the Graduate School section of this catalog, and complete information about them is available in the graduate catalog of The Record.

The four undergraduate colleges of the university offer programs leading to the Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Science, Bachelor of Science in Business Administration, Bachelor of Science in Education, and Bachelor of Science in Nursing.


The College of Arts and Sciences  Bachelor of Arts with majors in Anthropology, Art, Chemistry, English, French, Geology, German, History, Music, Philosophy, Political Science, Social Sciences, Sociology, Spanish, Speech and Theatre Arts, and Special Studies.

Bachelor of Fine Arts with majors in Art and in Theatre.

Bachelor of Science with majors in Anthropology, Biology, Chemistry, Communication, Computer Science, Geography, Geography/Planning, Geology, History, Industrial Chemistry, Mathematics, Natural Resources Management, Physics, 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, Economics, Finance, Management, Marketing, and Bachelor of Science with a major in International Business.
The College of Education and Allied Professions. Bachelor of Science in Education with majors in Communication Disorders, Elementary Education, General Special Education, Middle Grades Education, and Physical Education.

In collaboration with the College of Arts and Sciences, Bachelor of Science in Education with majors in Art, Biology, English, French, German, Mathematics, Music, Social Sciences, and Spanish.

Bachelor of Science with majors in Psychology, Sport Management, Recreational Therapy, and Parks and Recreation Management.

The Honors College.

See page 69.

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, on the campus of the University of North Carolina at Asheville, a broad range of instruction at the advanced undergraduate and graduate levels, particularly in the areas of business, education, health professions, human services, public affairs, and technology. The programs provided, intended principally for the residents of Buncombe and surrounding counties, are attended by students who commute from considerable distances throughout the region.

All of the course requirements for master’s degrees in accountancy, business administration, elementary education, health sciences, human resource development, middle grades education, nursing, school administration, special education, and supervision are offered. The Education Specialist degree is offered in educational leadership which leads to recommendation for advanced licensure for principals, superintendents, and general supervisors. Two-year college programs are available at the master’s level, as is the Ed S in two-year college administration.

Most of the course requirements for master’s degrees in community counseling, school counseling, English, and technology, and the Doctor of Education degree in educational leadership are also offered in Asheville.

Some of the course requirements for the Master of Arts in Teaching degree in both secondary and special subject teaching, as well as graduate courses in communication, family and consumer sciences, history, mathematics, physical education, and psychology are available in Asheville.

Through interinstitutional agreements, a program is available to students in Asheville leading to the Bachelor of Science in Nursing degree from Western Carolina University. Students enrolled in this program must complete their junior year of study on the Cullowhee campus and their senior year in Asheville. Registered nurses who are graduates of an Associate Degree or Diploma program can complete, in Asheville, all remaining requirements for the Bachelor’s Degree. Also, through an interinstitutional partnership with Asheville-Buncombe Technical Community College, most of the course requirements for a Bachelor of Science Degree in electronics engineering technology, manufacturing engineering technology, and industrial technology are offered. Upper-level coursework in Clinical Laboratory Sciences is available for students who hold the Associate Degree in Medical Technology. Also available in Asheville are courses in criminal justice and special education.
Western Carolina University administers its programs in Asheville through a staff whose offices are located in Room 120, Karpen Hall, on the campus of the University of North Carolina at Asheville. Additional information is available from Western Carolina University Programs in Asheville, One University Heights/UNCA, Asheville, North Carolina 28804-3299, or by telephoning 828-251-6642 or 227-7423.

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 program at this resident-credit 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 in Cherokee, 828-497-7920, across from the Cherokee High School.

Hunter Library

The library contains more than 560,000 books and bound periodical volumes, over 100 online databases, 670 CD-ROMs, and one million units of microform. Approximately 2,800 serial subscriptions are received, including regional, national, and international newspapers. The annual addition rate of new materials is more than 26,000 items.

As a selective federal depository, the library holds more than 217,000 government documents and adds important items monthly. Of special interest is the North Carolina Documents Collection which houses publications generated by the state government.

Hunter Library is also a depository for maps published by the United States Geological Survey, the Defense Mapping Agency, and other federal agencies. The map room collection contains more than 116,000 sheet maps, over 600 atlases, and a small reference collection.

The Special Collections unit of Hunter Library maintains manuscripts collections, books, photographs, and other resources documenting the history of Western North Carolina and Southern Appalachia, the history of the Cherokee Indians, literary works and papers of authors residing in or native to Western North Carolina, the behavior of spiders, and the history of Western Carolina University.

As a service for professional education programs, a Curriculum Materials Center (CMC) is maintained that contains the state-adopted textbooks for North Carolina, curriculum guides, children’s literature, and manipulatives suitable for classroom use. The CMC also contains the Library Media collection which includes CDs, videotapes, etc.

Hunter Library shares an online system with the libraries at Appalachian State University and the University of North Carolina in Asheville. Faculty, students, and staff may borrow materials from those libraries.

Through NC Live, the library has access to databases in EBSCOHost, UMI Proquest, First Search and SilverPlatter. Other databases include LexisNexis from Academic Universe and CARL Uncover.

In addition, the library offers the following CD-ROM bibliographic services: Compact Disclosure, MLA, Psyclit, Sport Discus, ERIC, Biography and Genealogy Master Index, and GPO, Oxford English Dictionary, HRAF, and the UN index.

Hunter Library provides library materials in UNCA’s Ramsey Library for Western Carolina University courses and programs offered on the Asheville campus.

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. This center provides services designed to assist all faculty on campus in achieving and maintaining excellence in their teaching. Extensive support is available for faculty who wish to use instructional technology in their teaching. The center also sponsors workshops, faculty project teams, and other special events designed to encourage instructors to talk about effective teaching and exchange creative ideas for enriching student learning. Activities and services typically include these:

- Consultation on course development, lesson plans, and applications of instructional technology
- The “faculty sandbox,” a place where faculty can develop instructional materials via computer
- Computer classroom orientation and training
- Faculty Forum, a monthly publication featuring provocative opinion pieces by WCU faculty
- Faculty-to-faculty mentoring program
- A lending library of professional literature on college teaching
- Microgrants travel funds for workshops on teaching
- Instructional Improvement Grants funds for supplies and services for redesigning courses

Mountain Resource Center The Mountain Resource Center (MRC) is a major technical assistance and service unit of Western Carolina University that extends the resources of the university beyond the campus. MRC is a recognized source of knowledge about Western North Carolina, with special emphasis on rural economic and social development. Through counseling and technical assistance, planning and research support, data collection and analysis, specialized training, conferences, and workshops, MRC serves as a catalyst for economic and social development in Western North Carolina, the state, and the world. The center provides assistance for town, county, and state government, business and industry, educational and social agencies, chambers of commerce, citizens groups, civic clubs, voluntary and nonprofit organizations, and other special-purpose groups. MRC serves as the home for Western North Carolina Tomorrow (WNCT), a regional citizen-leadership organization, the Western regional office of the North Carolina Small Business and Technology Development Center, and a federal Economic Development Administration University Center. MRC encourages faculty and student involvement in its program activity, especially in the areas of economic development, human resources, natural resources, and international trade technical assistance and services.

International Programs and Services The office of International Programs and Services (IPS) is the primary focus for information, coordination, and support of international activities for Western Carolina University. Activities are directed at student and faculty exchanges, academic programs, study abroad, research, university linkages, training, technical assistance, and enhancement of the international climate at WCU. IPS also serves as the headquarters of the Center for PVO/University Collaboration in Development, an association of more than thirty universities and private voluntary organizations cooperating in development activities throughout the world. IPS encourages student, faculty, and public inquiries about international programs and activities available through WCU.

Mountain Heritage Center The center collects, interprets, and disseminates knowledge about the southern Appalachian region and its people. It conducts research and collects and displays artifacts. It interprets the region’s natural and cultural heritage through publications, exhibitions, and demonstrations. The center works with public schools in preparing programs for educational enrichment and provides an educational experience for university students through internships. Its essential objective is to promote public awareness of the rich traditions of the mountains.

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

**University Writing Center.** A staff of graduate assistants and peer tutors is available to assist students in developing skills for preparing essays, term papers, creative writing projects, articles for publication, and other purposes. Faculty members are encouraged to refer students to the center for general development of writing skills.

Beginning with the writer's initial ideas, tutors can help with brainstorming, prewriting, drafting, revising, editing, and proofreading. By offering the writer workable strategies, the tutors can move the student toward self-sufficiency. In addition to the one-on-one tutorial help, the center regularly offers mini-courses or workshops tailored to specific courses that emphasize writing and to specific problems exhibited by student writers. The center is located in Hunter Library.

**Mathematics Tutoring Resource Center.** A student peer-tutoring program is staffed by undergraduate and graduate mathematics students. Tutoring is available on a drop-in and individual appointment basis. Tutoring is offered in all lower-division undergraduate mathematics courses and beginning computer science courses. Tutoring experience is provided as a practicum for students majoring in mathematics education. The Resource Center has a small library of supplementary materials, including textbooks, computer-assisted instruction materials, and a few current periodicals in mathematics and computer science. The center is located in Stillwell Building.

**Developmental Evaluation Center.** The Developmental Evaluation Center in the College of Education and Allied Professions is a service agency for the seven counties of Cherokee, Clay, Graham, Haywood, Jackson, Macon, and Swain including the Eastern Band of the Cherokee Indians. Projects are variously funded by the North Carolina Department of Health and Human Services, Division of Public Health, the Smoky Mountain Center for Mental Health, Developmental Disabilities, and Substance Abuse Services, local school systems and community agencies, and Western Carolina University. The center provides developmental evaluation, recommendations for services, treatment, and guidance for newborns, infants, toddlers, preschool children, and their families. Special services are provided or located if necessary, and progress is followed until the child enters a school program. The center affords opportunities for training and research relevant to the university's academic programs in birth through kindergarten teacher licensure, child and family studies, communication disorders, counseling, elementary education, health information management, health services management, nursing, nutrition and dietetics, physical therapy, psychology, recreational therapy, social work, and special education.

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

**Highlands Biological Station.** The Highlands Biological Station is a regional field station where senior scientists and graduate students conduct research on the environments and biota of the southern Appalachians. Summer courses are offered at the advanced undergraduate and graduate level. Located in Highlands, on a high plateau of the Blue Ridge Mountains south of Cullowhee, the station is administered by Western Carolina University. An interinstitutional center of the University of North Carolina, it is partially supported by thirty-one southeastern universities.

**Mountain Aquaculture Research Center.** The center was established within the College of Arts and Sciences at WCU 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.
are conducted 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 Western Carolina Center for Mathematics and Science Education in the College of Education and Allied Professions is one of ten centers comprising the North Carolina Mathematics and Science Education Network. The purpose of the center and network is to improve mathematics and science instruction in public and private schools by providing instructional activities for teachers, providing courses leading to certification in mathematics and/or science, and conducting basic research.

Office for Rural Education. The Office for Rural Education in the College of Education and Allied Professions helps rural elementary and secondary schools improve the quality of their programs by conducting various types of studies, performing practical classroom research, providing instructional and administrative support services, and assisting in identifying alternative types of funding and instruction.

Computer Center. The Computer Center is responsible for providing computer information services to the entire campus community. These services provide access to computing resources that students, faculty members, administrators, and staff members need as they learn and apply the products of learning, and contribute to the university's community of scholarship.

The center provides planning and technical guidance in the integration of varied new and existing campus information technologies, and provides leadership in the efficient, effective, and timely use of a vital university resource—information. Located in Forsyth Building, the Computer Center reports to the Office of the Chancellor.

The central computing facilities managed by the Computer Center consist of two Digital Equipment Corporation VAX 4000/700A computers, an Alpha 4100, and an Alpha 1000 computer which run the operating system. The VAXes may be accessed by microcomputers or terminals on the campus network or by dial-up modems. On the VAXes, the Computer Center provides access to a wide selection of software for academic computing. Software programming languages include BASIC, C, FORTRAN, Pascal, COBOL, and MACRO, with Datatrieve as a common report-retrieval language. Administrative computing services on the VAXes include student record, financial, and alumni systems from Systems and Computer Technology Corporation and several applications developed by the Computer Center staff.

A variety of generalized programs for the solution of problems in statistics, numerical analysis, and other areas is available through the center's program library facilities. These include SPSS, SAS, and Minitab. For large research problems and special applications, faculty and students may access the computer resources of the North Carolina Supercomputing Center located in Research Triangle Park.

The Computer Center also supports the campus network which has a FDDI dual optic fiber ring backbone between buildings. There are over 2,400 microcomputers in offices and lab facilities on campus, and most departments have local area networks which are connected to the campus network. Student residence halls are also on the campus network and have two network ports per room. There are five general student microcomputer lab facilities which are open at least eighty hours per week. The Computer Center supports both DOS (Windows) and Apple Macintosh operating systems and various microcomputer application programs.

WCU is a node on the North Carolina Information Highway, and the campus network is connected to the statewide NC-REN network which provides WCU's Internet access. All students receive an account on the central VAX which provides them with access to VAX software, electronic mail, text-based Internet services, and the university library. The WCU World Wide Web server at URL http://www.wcu.edu has general information about WCU. The university is also an active member of CAUSE and EDUCOM.
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.

Career and Academic Planning (CAP) Center.  The CAP Center offers a wide range of services to students to help them with their career and academic planning. Services include academic advising for freshmen and undeclared students, workshops, programs, and advisement for students in academic difficulty, career planning and testing, internships and cooperative education, assistance with student employment, special academic and personal support services, including services to students with disabilities, and job-placement assistance for seniors and alumni. This integrated approach to meeting the needs of students is highly personalized, and its ultimate objective is to help students prepare for a lifetime of living and learning.

Three federally funded programs for disadvantaged students are administratively part of the CAP Center. They are the Upward Bound Math and Science Program, Talent Search, and Student Support Services. Upward Bound and Talent Search provide a wide range of support services to area middle and high school students. These services are designed to keep students in school and to provide post-secondary education and/or training. The Upward Bound Math and Science Program serves students from an eight-state region. Student Support Services assists WCU students with various academic and personal support services designed to improve the likelihood of graduation.

Continuing Education and Summer School  Through the Division of Continuing Education and Summer School, the instructional resources of all units of the university are made available to the people, businesses, industries, schools, organizations, and agencies of the region and the state. The division promotes and coordinates all noncredit and extension-credit courses and programs as well as the university summer session and distance learning. Many noncredit programs, such as workshops, institutes, conferences, seminars, and short courses are available for Continuing Education Unit (CEU) credit or Teacher Certificate Renewal Credit.

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

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

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

Distance Learning  Assistance is provided for all academic and supporting units of the university to extend their resources using a variety of telecommunications technologies. Training and technical support are available to design and deliver academic programs and courses as well as video conferences and meetings to include audiences at distant sites. Distance learning resources include computer conferencing, video conferencing, and correspondence courses.
Elderhostel  This national program for people fifty-five years of age or older is offered on campus every summer and in the spring and fall at selected off-campus locations. Elderhostelers live in a residential setting and attend three classes each day for a week. They enjoy various types of entertainment in the evenings. The weekly fee includes room, board, classes, and extracurricular activities. A limited number of local commuter spaces are available in each session.

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

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

Special Summer Events. Each year, the campus hosts a number of special activities enjoyed by students and citizens of Western North Carolina. In addition, visiting artists and students enrich campus life with exhibits and displays in a variety of media.

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

Ramsey Regional Activity Center.

The Liston B. Ramsey Regional Activity Center, adjacent to E J Whitmire Stadium, is the largest, most versatile public-assembly facility of its kind in Western North Carolina. The center features a main arena seating capacity of more than 8,000 people and houses offices of the Ramsey Center administration, the Department of University Athletics, and University Publications. 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.

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

Other Offices and Services.

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

University Planning. The Office of University Planning is responsible for coordinating university strategic planning and assessment activities, conducting institutional research, and 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.
Office of Advancement and External Affairs

The office of Advancement and External Affairs includes University Advancement, Public Information, Mountain Resource Center and the Mountain Heritage Center.

This office has overall responsibility for institutional services in several program areas including the Mountain Heritage and Mountain Resource Centers. The office acts as liaison with regional, state, and national groups and agencies and coordinates the university’s regional economic and workforce development initiatives as well as cultural heritage programs as outreach services to the Western North Carolina region.

Office for University Advancement

University Advancement facilitates and supports collaborative university-wide efforts in fundraising, alumni affairs, institutional marketing and positioning, along with student recruitment. The Development Foundation of Western Carolina University, Inc., founded in 1971 to promote the welfare and educational goals of the university, is housed administratively in Advancement, as are the Offices of Alumni Affairs, Catamount Club (athletics), Loyalty Fund, Planned Giving and Major Gifts, and Corporate and Foundation Giving. All institutional initiatives involving fund raising from private resources are coordinated through the University Advancement office.

Office of Public Information

Public Information is responsible for the administration of university programs in public information and publications. It is the liaison between university personnel and the news media, including newspapers, 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.

North Carolina Center for the Advancement of Teaching

The North Carolina Center for the Advancement of Teaching was established by the General Assembly of North Carolina in 1985 as a statewide center to recognize and support outstanding North Carolina public school (pre K-12) teachers, and to enhance teaching as an art and profession. The center is located west of the WCU campus. A unit of the University of North Carolina, it is governed by a board of trustees, and its programs and activities are conducted by a professional staff of faculty and administrators.

Carolina Colloquy for University Teaching

The Carolina Colloquy for University Teaching promotes and supports effective teaching across all institutions in the University of North Carolina system. The activities of the colloquy address issues of teaching, learning, and student development and include a multi-campus retreat, a new faculty seminar on exemplary teaching, an annual summer conference, and an electronic journal. Colloquy activities are supervised by a steering committee consisting of one representative from each campus in the UNC system. Administrative headquarters are located at Western Carolina University.
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 should be made to visit with a member of the admissions staff. Visits should be scheduled between 8 a.m. and 5 p.m., Monday through Friday, and by appointment only on Saturday. For more information, call the Office of Admissions at (828) 227-7317.

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 medical 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 and July. To assure timely processing and to avoid payment of a late registration fee, a completed application should be submitted at least 30 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. Students admitted to the university as undergraduates who plan to begin their enrollment in the fall semester are urged to attend one of the orientation conferences held each summer. During each two-day conference, the new student is given a general introduction to the university and campus life. In an individual appointment with an academic adviser, the student is assisted in selecting courses and registering for them. A special program of activities for parents of new students is available during each conference.

Advance Partial Payments. Each undergraduate student who is admitted to WCU is required to submit an advance partial tuition payment of $100. This payment will be credited to the charges for the first semester of enrollment. There is also an advance partial housing payment of $100 that must be submitted by all new students who plan to live in a university residence hall. These payments for the fall semester should be submitted to the Controller’s Office no later than June 1. The deadline for the spring semester (January) is December 1. For additional information, see the Section on Fees of this catalog.

Computer Admission Requirement for New Freshmen.

To make sure that students have access to the highest quality education that takes maximum advantage of the changes in information and communications technologies, Western Carolina University is requiring all new, full-time freshmen admitted to undergraduate degree status to begin their academic careers at WCU with an appropriate, networkable computer.

Students Who Already Own a Computer. Students who already own a computer may not need to purchase one. Most Pentium computers running Windows 95 or 98, or PowerPC Macintosh computers running system 8.0 or higher, should connect to the university’s network with an appropriate network interface card or modem. Network interface cards are available for purchase through the University Bookstore. A minimum of 16 MB RAM memory is essential, as is a 1 GB hard drive. In addition, all computers must have a 2X or better CD-ROM drive. Systems having less than the minimum specifications noted below may not operate well on Western’s network.
Students Who Are Purchasing a Computer

Either a Pentium or a PowerMac computer can meet the university's computer admission requirement. The minimum configurations for a newly purchased computer are as follows:

<table>
<thead>
<tr>
<th>Windows System</th>
<th>Macintosh System</th>
</tr>
</thead>
<tbody>
<tr>
<td>233 MHz* processor (Intel Pentium, AMD K6, or Cyrix 6x86)</td>
<td>233 MHz* 603e PowerPC processor</td>
</tr>
<tr>
<td>32 MB RAM, expandable</td>
<td>32 MB RAM, expandable</td>
</tr>
<tr>
<td>2 GB hard drive</td>
<td>2 GB hard drive</td>
</tr>
<tr>
<td>Color monitor, 28mm or lower dot pitch</td>
<td>Color monitor, 28mm or lower dot pitch</td>
</tr>
<tr>
<td>144 MB floppy drive</td>
<td>144 MB floppy drive</td>
</tr>
<tr>
<td>CD-ROM drive, 4X or higher</td>
<td>CD-ROM drive, 4X or higher</td>
</tr>
<tr>
<td>16-bit sound card (Sound Blaster compatible)</td>
<td>Built-in 16-bit audio and speakers (standard Macintosh feature)</td>
</tr>
<tr>
<td>Speakers</td>
<td>Asante or Apple Integrated Ethernet adapter (on-campus students) or 28 8 Kbps modem (off-campus students)</td>
</tr>
<tr>
<td>3Com Ethernet adapter (on-campus students) or 28 8 Kbps modem (off-campus students)</td>
<td>104 key keyboard</td>
</tr>
<tr>
<td>104 key keyboard</td>
<td>Mouse or pointing device</td>
</tr>
<tr>
<td>Mouse or pointing device</td>
<td>2 expansion slots</td>
</tr>
<tr>
<td>2 ISA/PCI PC expansion slots</td>
<td></td>
</tr>
</tbody>
</table>

* Subject to market availability

The hardware configurations that are the industry standard in the summer of 1999 will be the recommended configurations for a newly purchased computer.

**Required Software**

Required software is Microsoft Office 97 or 2000 Professional Suite (Windows) or Microsoft Office 98 Suite (Macintosh). The required operating system is Windows 95 or 98 (Windows) or OS 8 (Macintosh). The student is responsible for purchasing this software.

**Purchase of Computers**

The University Bookstore offers for sale competitively priced computer packages, preconfigured to WCU's network, including all required software. Students may purchase computers from any vendor, however, machines purchased from the University Bookstore will be preconfigured for easy connection to the university's network and will include all required software. The University Bookstore will have these competitively priced computer packages on display and for sale at the June orientation sessions.

"Jump Start" Training for Students

All new freshmen are required to attend a training program of two two-hour sessions immediately prior to the beginning of classes. This program familiarizes students with basic computing concepts, including accessing the university network, as well as using e-mail, the www browser, and the university's administrative software and online library resources. In addition, all freshmen will learn how to construct their own web page. During the academic year, noncredit training seminars on using the Microsoft Office software will be available.

**Additional Information**

If you would like additional information about WCU's computer admission requirement, call the Office of Admissions at 1-800-928-2369 or send e-mail to WCUTECK@wcu.edu.

**Undergraduate Admission**

The university is open to all qualified students without regard to race, sex, color, national origin, religion, age, sexual orientation, or disability and is actively committed to recruiting and enrolling greater numbers of African American and other minority students.

**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, high school grade point average, and placement tests at Western 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, PO Box 592, Princeton, NJ 08541. Information and application for the ACT may be obtained from The American College Test National Office, P O Box 168, Iowa City, IA 52243, and from high school guidance counselors. Applicants must request that their scores be sent to the Office of Admissions, Western Carolina University, Cullowhee, NC 28723 (College code for the SAT is 5897 and ACT code is 3172).

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

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

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

In addition, it is highly recommended that students complete at least two years of a foreign language in high school.

**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 I 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 MAR units. 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 WCU. 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).

Placement tests in writing skills, mathematics, and oral communication are given during orientation to identify students who may be exempted from introductory courses or who may qualify for advanced standing. Reading may be added. The placement tests also determine the need for additional preparation in writing and mathematics before pursuing the regular course sequences in freshman English or freshman math.

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 Admission Requirement courses prior to enrollment. An applicant's high school records and ACT or SAT scores will be the primary information used to determine admission. The applicant must demonstrate the aptitude and motivation necessary to be able to successfully complete between twelve and sixteen semester hours of college course work in the first semester of enrollment.

Admitted students will take placement tests in writing skills, mathematics, and oral communication during orientation. Depending upon placement, some courses in the first semester may not apply toward the 120-128 semester hours required for graduation.

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

In addition, it is recommended that prospective students complete at least two course units in one foreign language and take one foreign language course unit and one mathematics course unit in the twelfth grade.

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

Pre-University Honors Program. This program enables high school students who have completed their junior year with superior academic records to begin work toward a university degree. Students who qualify may enroll 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. A student on probation at another institution or one whose grade point average is such that the student would be on probation if the credits had been earned at Western Carolina University, if admitted, may be accepted only on academic probation. The specific conditions will be stated in the letter of admission. 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, will 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 an admissions officer and the department head of the student's major. University policies on transfer of undergraduate credit are explained in the section of this catalog on academic regulations.

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

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

Post-Baccalaureate Students. Graduates of accredited four-year institutions may apply for admission to work toward another undergraduate degree. Students cannot be awarded more than one of the same type of undergraduate degree (i.e., two B.A. degrees, two B.S. degrees, etc.). The general requirements for second degrees are stated in the section of this catalog on degree programs and requirements. Students seeking to pursue advanced degrees should refer to the Graduate School section.

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

Other Eligible Persons

Special Students. Persons not seeking degrees may apply as special students by completing an application and the nondegree intent form and paying the $35 application fee. Special students are not admitted to any degree program, are not eligible for financial assistance, are not assigned to advisers, and may not live in campus housing. Admissions categories for special students are

Non Degree Students. Persons not seeking degrees but who wish to take courses for personal enrichment or advancement may take up to eighteen semester hours as a non degree student.
Non-degree 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, Western Carolina University, Cullowhee, North Carolina 28723.

**Dual Enrollment Students.** Dual enrollment students are those students who plan to take courses at WCU 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.

**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 and a statement from the student's dean indicating the acceptability of the credits to be earned at Western Carolina University are required.

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

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

**Appeals of Admissions Decisions**

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

**Summer School Admission**

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

**Application Falsification**

Students furnishing the university with false, misleading, or incomplete information relating to their application or academic record will be subject to rejection or dismissal.
STUDENT SERVICES

Services are provided at Western Carolina University to further each student’s academic and social development. The Office for Student Affairs has overall responsibility in this area, and its functions include providing comfortable housing, helping students adjust to campus life through orientation programs, providing programs of financial aid, counseling services, and health care, and enhancing the college environment with recreational and cocurricular activities.

Housing

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

The 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 lives with parents, legal guardians, grandparents, or brothers and sisters, or is married. Waivers for other reasons are decided by the director of university housing.

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

Each room is furnished with computer data ports, single beds, study desks, chairs, dressers, and closets. Students provide their own pillows, bed linens, towels, lamps, clocks, wastebaskets, and telephones. They also may bring radios, stereos, and televisions as long as outside antennae are not required. Cable television is provided in public areas. Cable television service is available in each room as an option to students who contract individually with the local commercial cable company serving the campus. Other facilities include vending machines, post office boxes, washers and dryers. Local telephone service is included in the housing fee. If the student requests long distance service, he (she) is assigned a personal security code and will be responsible for those charges.

Room Reservations and Advance Partial Payment. Any new, transfer, readmitted, or graduate student may reserve a room in the residence halls by submitting the advance partial payment of $100 and a signed application/contract to the Controller’s Office. Returning students are to submit a signed contract with $150 prepayment. These payments for the fall semester should be submitted no later than June 1. The deadline for the spring semester (January) is December 1. Checks should be made payable to Western Carolina University. Housing advance payments received after the deadline will be accepted on a space-available basis. Financial aid awards may not be used to cover advance partial payments. Freshmen who wish to live off campus must receive permission from the director of housing.

Students may move into the residence halls as early as noon on the day before registration. Freshmen and transfer students who need to arrive earlier for orientation programs will be admitted if they have been given prior approval by the Department of University Housing. Students who have official university duties may arrive earlier if the Department of University Housing is notified in advance. Unless the Department of University Housing is notified of late arrival, reservations expire at noon on the first day of classes.

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

Summer Terms. Students who begin their enrollment in summer terms (May or July) are not required to submit the advance housing payment, but must submit the Residence Hall Application/Contract if they wish to reside in university housing. If, however, you are attending the Academic Success Program, the advance housing payment must be submitted with the contract.
Refund Policy Students who have paid the advance housing payment and choose not to attend WCU 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 (December 1 for spring) will be subject to a $50 administrative processing fee.

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

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

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

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

Off-Campus Housing All freshmen are required to live on campus except freshmen from the local area who may apply for a housing waiver to commute from home. Students who plan to live off campus make their own living arrangements. It is a good idea to inspect the facilities before making any housing agreement and to obtain a written contract outlining the responsibilities of the renter and landlord. Students who move from the residence halls to off-campus locations must notify the Department of University Housing and receive approval in advance. Students living off campus are governed by the rules and regulations of the university while on campus.

Student Activities and Services

A variety of programs, activities, and services identified with everyday living are available on campus. Students are encouraged to choose and participate in extracurricular 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 and a variety of programs. The fee also supports the campus radio station, newspaper, literary magazine, and yearbook.

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, a major department of the Division of Student Affairs, is the hub of campus activity. It houses the offices of the SGA, Last Minute Productions and University Center staff, a ballroom, several meeting and conference rooms, an art gallery, food service, outdoor equipment rental, television lounge, dance club,
Recreation, Fitness, and Sports

The facilities of the Reid Health and Human Performance Building, Breese Gymnasium, and A K Hinds University Center make possible a rich recreational program. Indoor and outdoor recreation includes tennis, volleyball, basketball, swimming, bowling, handball, racquetball, rugby, soccer, softball, badminton, and table tennis. An indoor fitness center is available with free weights, treadmills, stair climbers, exercise bikes, and state-of-the-art Cybex exercise stations for students, faculty, and staff members.

Cullowhee's location offers excellent opportunities for mountain biking, rock climbing, river and lake boating, canoeing, fishing, skiing, hunting, golf, and camping. Students may easily visit the Great Smoky Mountains National Park and other nearby places of interest.

Intramurals. The university offers a comprehensive intramural sports program for all students that includes more than forty team, individual, and coed sports. In addition, the intramural sports program has several established sport clubs. These clubs are open to all students regardless of skill level. Students are encouraged to develop new sport clubs as well.

Athletics. The university provides a full program of fifteen intercollegiate sports. Athletic teams play a full schedule in football, baseball, men's and women's golf, men's and women's basketball, women's volleyball, men's and women's indoor and outdoor track, men's and women's cross country, and women's tennis. Women's soccer will begin in the fall of 1999.

The university is a member of the National Collegiate Athletic Association (NCAA Division I) and the Southern Conference. A standing committee of the Faculty Senate is responsible for reviewing and recommending policy regarding intercollegiate athletics.

Health Services

Routine care is provided by the University Health Services. Outpatient medical care, usually at no additional charge, is provided to students. Policies concerning outpatient services available to university employees are stated in the Faculty Handbook.

Health Services does not assume responsibility for complicated or chronic mental or physical illness, surgical and dental operations, X-ray procedures, and needs that require the care of specialists. However, referral service is available.

Physician, nurse, laboratory personnel, and outpatient facilities are housed in the Graham Health Services Building where consultation hours are posted. For emergency referrals and health service information, the telephone number is 828-227-7640.

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

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

The Counseling and Psychological Services Center and the Testing Center. The center provides free and confidential student services including individual and group counseling and therapy, emergency on-call, consultation, and outreach programming to aid students with educational, personal, or psychological concerns. Testing includes the Graduate Record Examination, The Praxis Series, Medical College Admission Test, Scholastic Aptitude Test, Law School Admission Test, Miller Analogies Test and College Level Examination Program (CLEP). Appointments can be made at 828-227-7469, Scott Building (east wing).

Other Services and Facilities

New Student Orientation. To make the transition to college life easier, Western offers orientation programs for new students and their families. Students attending orientation have a chance to meet other new students, take placement exams, talk to an academic adviser, and register for their classes. Orientation is the time for students and parents to become familiar with the academic demands of the university, to meet the faculty, and to learn more about the concerns that accompany campus life.

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

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

Department of Veterans Affairs Educational Benefits. This institution is approved under the provisions of Title 38 United States Code, Chapter 36. Persons eligible and entitled under provisions of Chapters 30, 31, 32, 34, 35 and Section 901 and 903 and Title 10 United States Code, Chapters 106 and 107 may enroll in programs approved by the North Carolina States, Approving Agency. All inquiries concerning VA educational benefits should be addressed to the Director of New Student Orientation Programs, Western Carolina University, Cullowhee, NC 28723. You may also call 828-227-7234.

International Student Services. The International Student Adviser serves as the adviser on immigration matters, advising, programming, and all aspects of university and community life.

Books and Supplies. The WCU Bookstore offers students a variety of educational materials and supplies, gift items, and miscellaneous articles for personal use. An extensive selection of paperback books is offered for class use and extracurricular reading. All books for graduate students and supplemental texts and course-related materials for undergraduates are sold by the store. Caps and gowns, graduation invitations, and class rings also may be purchased at the store. The book rental plan operated through the book rental department of the bookstore is explained in the fees section of this catalog.

The bookstore offers computer hardware and software for sale to students, faculty, and staff members at vendor-discounted prices. Also available are campus network connection items.

Wellness Program. The goal of the Wellness Program at Western Carolina University is to create a healthier community in which students, faculty, and staff may learn and grow. The Wellness Program provides a variety of activities in order to reach this goal including presentations, a Wellness Resource Library, an exercise incentive challenge, smoking cessation programs, and events centered on national awareness topics such as fitness, nutrition, AIDS, and alcohol. For more information about this program, call 828-227-7018.

Meals. Western Carolina University provides food services for students at three campus locations.
Dodson Cafeteria (on the lower campus)
Hinds University Center
Brown Cafeteria (on the upper campus)

These facilities serve all students who participate in a board plan or who wish to purchase à la carte items. Students who live in the university's residence halls are required to participate in a food service plan. Participation in a food service plan is optional for commuting students.

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

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

Mail Service. Students residing on campus are assigned a residence hall mailbox with their room assignments. All other students may rent a box in the Cullowhee Post Office. Postal regulations do not permit receipt of mail through general delivery after an initial thirty-day period. A postal commodity machine offering stamps, envelopes, post cards, aero grams, overseas services plus other features is located in the lobby of the University Center.

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

Bus Service. The university provides (for students) a free late afternoon shuttle bus service between Cullowhee and Sylva. This service is provided for all WCU students and travels to all shopping areas, grocery stores, and the Health Department in Sylva. Information about the schedule is available at the information desk in the University Center.

Bank Services. A branch office of the Wachovia Bank and Trust Company is located in Cullowhee, and an ATM machine is located in the Hinds University Center. In addition, branch offices of First Union National Bank, Community Bank & Trust Company, Carolina Community Bank, and First Citizens Bank and Trust are located in or near Sylva.

Disability Services. Assistance for students with disabilities is available through the Office for Student Affairs, 460 H F Robinson Administration Building, 828-227-7234.

General Regulations and Safety Policies

The general regulations pertaining to student life at Western Carolina University are published in the Student Handbook. A copy of the Student Handbook is available at the Office for Student Affairs (460 H F R Administration Building, 828-227-7234). 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 impose on the rights of other individuals, as these terms are defined in the Code of Student Conduct found in 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.

Drunkleness 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 vice chancellor for student affairs and the associate vice chancellor for academic affairs 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;

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

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

B **Enforcement and Penalties**

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

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

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

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, N C General Statutes 90-89, or Schedule II, N C 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:

* 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.
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.

Policy on Computer Abuse

The university provides computer access through the computer center and colleges 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 Director of the Computer Center and/or college or department computer network and laboratory managers. Abuse involving theft or vandalism will also be reported to the Director of 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 Director of the Computer Center.

Law Enforcement. The University Police Department is responsible for providing law enforcement criminal investigation, and security services on campus. University Police Department officers are certified by the N C Attorney General’s office as police officers and have met all standards set by the Attorney General for law enforcement officers in this state.
All crimes which occur on the campus of WCU should be reported to the University Police Department. Reports may be filed by dialing 911 in an emergency situation. In non-emergency situations, reports may be filed by dialing 227-7301. Reports may also be filed by visiting the University Police Department located on the second floor of the Jordan-Phillips Field House, or by contacting an officer on patrol. Officers may also be summoned by activating any of the emergency callboxes placed at various locations on the campus.

Information on crime statistics and crime prevention programs is available at the University Police Department.

Parking: The University Police Department is also responsible for the administration of WCU’s parking system, vehicle registration, and parking enforcement. State statutes provide that campus traffic and parking regulations have the force of law and violators may be subject to penalties as prescribed by law.

Everyone who parks a vehicle on campus must register that vehicle at the Traffic Office in the Field House and display a current registration decal. Copies of the parking and traffic regulations are available at the Traffic Office.

The Traffic and Security Committee, composed of students, faculty, and staff functions as an appeals board for faculty and staff members who wish to contest parking citations which they may receive. Appeals of student violations are handled by a committee of the SGA. Appeals forms are available in the Traffic Office.
Western Carolina University holds its charges to the minimum commensurate with the provision of needed services. The following schedule of fees, due and payable at the beginning of each semester, will be effective beginning with the fall semester of the 1999-2000 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 $35, 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 $35 application fee.

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

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

Tuition and Housing Advance Partial Payments

Tuition and Fees: New students who are admitted to Western Carolina University are required to remit a $100 advance partial payment of tuition and fees. By doing so, the student reserves a place in the entering class and establishes eligibility to preregister for courses to be taken in the first term of enrollment. This amount is due and payable upon notification of acceptance for admission and must be paid prior to participation in course preregistrations. 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 (December 1 for Spring enrollment). If notice of cancellation is not given or is received after June 1, the advance payment for fall semester will be refunded subject to a $50 administrative fee.

Continuing students who preregister for fall semester will be required to remit full payment of tuition and fees by August 1 in order to retain their preregistered class schedules. After August 1, schedules of those 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 fall semester.

Housing: New students who intend to live on the University campus must remit a $100 advance partial payment of housing charges. (Freshmen students are required to live on campus unless they reside with immediate family members or are married.) This amount is due and payable upon notification of admission and is fully creditable to housing charges for the first semester of enrollment.

Returning students are required to remit a $150 advance partial payment of housing charges by May 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 preceding the scheduled enrollment. If notice of cancellation is not provided or is received after June 1, 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 pays fees after the last regular registration date will be charged a late registration fee of $10. See the Academic Calendar.

### Fees Per Semester

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<th>Undergraduate</th>
<th>Graduate</th>
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<tbody>
<tr>
<td><strong>Tuition</strong></td>
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<td><strong>Required fees</strong></td>
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<td><strong>Book rental fee</strong></td>
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<td><strong>Room</strong></td>
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<td>Madison Hall rate (graduate housing)</td>
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<td>Robertson Apartments (married housing)</td>
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<td><strong>Totals</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Day student</td>
<td></td>
<td></td>
</tr>
<tr>
<td>North Carolina rate</td>
<td>$1,018 75</td>
<td>$946 25</td>
</tr>
<tr>
<td>Out-of-State rate</td>
<td>$4,653 75</td>
<td>$4,581 25</td>
</tr>
<tr>
<td>Residence hall boarding student</td>
<td></td>
<td></td>
</tr>
<tr>
<td>North Carolina rate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>with Declining Balance-Standard Option</td>
<td>$2,543 75</td>
<td>$2,471 25</td>
</tr>
<tr>
<td>with Declining Balance-Low Option</td>
<td>$2,473 75</td>
<td>$2,401 25</td>
</tr>
<tr>
<td>with 18-All you care to eat meals per week</td>
<td>$2,708 75</td>
<td>$2,636 25</td>
</tr>
<tr>
<td>plus $75 00 declining balance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>with 12-All you care to eat meals per week</td>
<td>$2,648 75</td>
<td>$2,576 25</td>
</tr>
<tr>
<td>plus $150 declining balance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>with 7-All you care to eat meals per week</td>
<td>$2,543 75</td>
<td>$2,471 25</td>
</tr>
<tr>
<td>plus $300 declining balance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Out-of-State rate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>with Declining Balance-Standard Option</td>
<td>$6,178 75</td>
<td>$6,106 25</td>
</tr>
<tr>
<td>with Declining Balance-Low Option</td>
<td>$6,108 75</td>
<td>$6,036 25</td>
</tr>
<tr>
<td>with 18-All you care to eat meals per week</td>
<td>$6,343 75</td>
<td>$6,271 25</td>
</tr>
<tr>
<td>plus $75 00 declining balance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>with 12-All you care to eat meals per week</td>
<td>$6,283 75</td>
<td>$6,211 25</td>
</tr>
<tr>
<td>plus $150 declining balance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>with 7-All you care to eat meals per week</td>
<td>$6,178 75</td>
<td>$6,106 25</td>
</tr>
<tr>
<td>plus $300 declining balance</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Required fees include: Health Services $83.50, Recreational and Cultural $82.60, Athletics $130.75, Athletic Facilities $16, University Center $121.50, Documents Fee $3.15, Education and Technology Fee $49.75.

** Textbooks are available to graduate students by purchase only.
### II Part-time Student

(Undergraduate, enrolled for eleven hours or less, Graduate, enrolled for eight hours or less)

<table>
<thead>
<tr>
<th>Hours Enrolled</th>
<th>Undergraduate In-State</th>
<th>Undergraduate Out-of-State</th>
<th>Graduate In-State</th>
<th>Graduate Out-of-State</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$ 158.90</td>
<td>$1,067.90</td>
<td>$147.00</td>
<td>$1,056.00</td>
</tr>
<tr>
<td>2</td>
<td>202.80</td>
<td>1,111.80</td>
<td>179.00</td>
<td>1,088.00</td>
</tr>
<tr>
<td>3</td>
<td>246.70</td>
<td>1,155.70</td>
<td>326.00</td>
<td>2,143.00</td>
</tr>
<tr>
<td>4</td>
<td>290.60</td>
<td>1,199.60</td>
<td>358.00</td>
<td>2,175.00</td>
</tr>
<tr>
<td>5</td>
<td>334.50</td>
<td>1,243.50</td>
<td>390.00</td>
<td>2,207.00</td>
</tr>
<tr>
<td>6</td>
<td>493.40</td>
<td>2,310.40</td>
<td>536.00</td>
<td>3,263.00</td>
</tr>
<tr>
<td>7</td>
<td>537.30</td>
<td>2,354.30</td>
<td>568.00</td>
<td>3,295.00</td>
</tr>
<tr>
<td>8</td>
<td>581.20</td>
<td>2,398.20</td>
<td>600.00</td>
<td>3,327.00</td>
</tr>
<tr>
<td>9</td>
<td>739.10</td>
<td>3,466.10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>783.00</td>
<td>3,510.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>826.90</td>
<td>3,553.90</td>
<td></td>
<td></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 Asheville Student

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

### IV. Other Fees

- Undergraduate admission application fee (one time only) $35
- 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

### Meal Plan

University policy requires students who live in a residence hall to purchase one of the following board plans

<table>
<thead>
<tr>
<th>Plan</th>
<th>Per Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>*18-All you care to eat meals per week plus $65.00 declining balance</td>
<td>$920</td>
</tr>
<tr>
<td>*12-All you care to eat meals per week plus $150.00 declining balance</td>
<td>860</td>
</tr>
<tr>
<td>*7-All you care to eat meals per week plus $300.00 declining balance</td>
<td>755</td>
</tr>
<tr>
<td>**Declining Balance-Standard Option</td>
<td>755</td>
</tr>
<tr>
<td>**Declining Balance-Low Option</td>
<td>685</td>
</tr>
</tbody>
</table>

*The all you care to eat meal plan combines an "All You Care To Eat" program located at Brown Cafeteria and a declining balance account that can be used at the other food-service locations on campus*
**The Declining Balance Meal Plans are dining programs wherein students pay an advance deposit at the beginning of each semester, and purchases are deducted throughout the term. During the semester, additional prepayments in minimum increments of $50 may be made by any student with a declining balance account.**

Participation in any of the above-described board plans is optional for commuting students. Commuting students have the additional option of a declining balance plan in any amount from $50 up, per semester.

Unused balances that remain in declining balance meal plan accounts at the end of each academic term are not refundable. However, unused balances up to a maximum of $50 will be automatically rolled over from fall to spring semester for continuing students only. Unused balances cannot be rolled over to the next fall semester.

**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 on or before the first day of classes will be refunded 100 percent of tuition and fees. Students who withdraw from the university following the first day of classes are entitled to refunds of tuition and fees in accordance with the following schedule:

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

EXCEPTION: Students who withdraw from the university in their initial term of enrollment are entitled to refunds of tuition and fees in accordance with the following schedule:

On or before the last calendar day of regular registration: 100 percent
1-7 calendar days following the last day of regular registration: 93 percent
8-14 calendar days following the last day of regular registration: 86 percent
15-21 calendar days following the last day of regular registration: 79 percent
22-28 calendar days following the last day of regular registration: 72 percent
29-35 calendar days following the last day of regular registration: 65 percent
36-42 calendar days following the last day of regular registration: 58 percent
43-49 calendar days following the last day of regular registration: 51 percent
50-56 calendar days following the last day of regular registration: 44 percent
57-63 calendar days following the last day of regular registration: 37 percent
64-70 calendar days following the last day of regular registration: 30 percent
71 calendar days following the last day of regular registration: 0 percent

Students who withdraw from the university as a result of involuntary recall to military service, pursuant to a presidential order authorizing the call-up of reservists, and who are thereby prevented from receiving credit for the courses in which he/she is 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.
The following are exceptions to the above-stated refund policies. The advance partial payment of tuition and fees required of new students is subject to a $50 administrative charge if the student withdraws before the first day of classes, but after June 1 for fall semester and December 1 for spring semester. The advance partial payment required of new students to reserve campus housing is likewise subject to a $50 administrative charge if withdrawal occurs after the dates indicated. Continuing students must make payment in full prior to August 1 to reserve campus housing. This payment is similarly subject to a $50 administrative charge if withdrawal occurs after August 1, but before the first day of classes.

**Summer School Tuition and Fees** A student who withdraws from summer school on or before the first day of classes will be refunded 100 percent of tuition and fees. Students who withdraw after the first day of classes are eligible for refunds through the first 50 percent of the summer terms. The refund prorations for summer school are available from the controller's office.

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

**Room and Board** Refunds of room rent for any semester or summer term will be calculated at the same rate as tuition and fees. Meal ticket refunds for standard meal plans will be calculated at the same rate as tuition and fees. Meal ticket refunds for declining balance plans will be based on the actual balance remaining on the student account at the time of withdrawal. All you care to eat meal plans have a standard and 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.

All refunds, except those for withdrawals prior to the first day of classes, are subject to an administrative fee not to exceed the lesser of $100 or 5 percent of institutional charges.

**Exceptions** Exceptions to these policies may be made if a student withdraws from the university for reasons of hardship. Prorated refunds of tuition and fees, room rent, and meal charges may be made to the student or the student's family in case of hardship, which is defined as (1) death of the student, (2) death in the student's immediate family, or (3) withdrawal upon recommendation of the director of student health services. The prorations and regulations governing refunds in hardship cases are available from the Office for Business Affairs. The vice chancellor for student affairs must approve, and notify the controller's office, of any refunds or account adjustments for hardship situations. The controller's office will take appropriate action to make final settlement of the student's account. Any other exceptions require approval by the chancellor.

**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 25 percent tuition surcharge applies to students who take more than 140 semester hours and more than eight regular semesters (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 (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 only to tuition and not fees

The official policy may be obtained from the Office of Academic Services (HFR 560) during regular office hours

**Book Rental Plan**

Textbooks for courses numbered 100-499 are furnished to on-campus undergraduate students on a rental basis by the book rental department of WCU bookstore. Students pay a flat fee of $72.50 each semester and are entitled to the primary textbook adopted in each course for which they are registered. This plan does not provide notebooks, workbooks, paperbacks, manuals, or supplemental books and materials. These are available for purchase at the bookstore. Students may buy textbooks at replacement cost (list price less 20 percent), but this does not exempt them from paying the rental fee. Further information about the Book Rental Plan can be found in the *Faculty Handbook*, section 5.19, page 96.

Rental books must be returned no later than five working days after the last day of final examinations for each term, including summer school. Students not complying with this time limit will be charged a fine of $20 if the books are returned within the first two weeks of the next regular term, including summer school. Students who do not return their books within the first two weeks of the next regular term will be required to purchase the books at replacement costs (list price less 20 percent). Grossly mistreated books must be purchased by the student.

Graduate students must purchase all their texts regardless of the level of courses. Textbooks for courses numbered 500 and above are available at the bookstore. Textbooks for courses numbered below 500 are available for purchase at the book rental department.

**Residence Status for Tuition Purposes**

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

**Residence.** To qualify as a resident for tuition purposes, a person must become a legal resident and remain a legal resident for at least twelve months immediately prior to classification. Thus, there is a distinction between legal residence and residence for tuition purposes. Furthermore, twelve months legal residence means more than simple abode in North Carolina. In particular, it means maintaining a domicile (permanent home of indefinite duration) as opposed to "maintaining a mere temporary residence or abode incident to enrollment in an institution of higher education." The burden of establishing facts which justify classification of a student as a resident entitled to in-state tuition rates is on the applicant for such classification, who must show his or her entitlement by the preponderance (the greater part) of the residency 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 of the person, the domicile of such parent(s) or guardian is, *prima facie*, the domicile of the individual, but this *prima facie* evidence of the individual's domicile may or may not be sustained by other information. Further, nondomiciliary status of parents is not deemed *prima facie* evidence of the applicant child's status if the applicant has lived (though not necessarily legally resided) in North Carolina for the five years preceding enrollment or re-registration.

**Effect of Marriage.** Marriage alone does not prevent a person from becoming or continuing to be a resident for tuition purposes, nor does marriage in any circumstance ensure that a person will become or continue to be a resident for tuition purposes. Marriage and the legal residence of one's spouse are, however, relevant information in determining residency intent. Furthermore, if both husband and his wife are legal residents of North Carolina and
if one of them has been a legal resident longer than the other, then the longer duration may be claimed by either spouse in meeting the twelve-month requirement for in-state tuition status

**Military Personnel.** A North Carolinian who serves outside the state in the armed forces does not lose North Carolina domicile simply by reason of such service And students from the military may prove retention or establishment of residence by reference, as in other cases, to residenitary acts accompanied by residenitary intent

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

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

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

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

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

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

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

**Transfer Students.** When a student transfers from one North Carolina public institution of higher education to another, he or she is treated as a new student by the institution to which he or she is 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 registrar.

**Financial Aid**

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

Entering students interested in applying for financial aid must complete the Free Application for Federal Student Aid (FAFSA). Continuing WCU students are sent renewal applications on an annual basis. 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. 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 data form will be mailed to applicants upon receipt of information from the federal processor. Receipt of this information generally completes the application process, provided applicants are not selected for verification, which requires additional documents. Since the most attractive sources of financial assistance are very limited, applicants are encouraged to complete the FAFSA by the institutional priority deadline date of March 31. Failure to complete the application may result in the loss of institutional grants or scholarships.

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

**Full-Time Enrollment**

<table>
<thead>
<tr>
<th>At completion of this semester</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total minimum credits</td>
<td>18</td>
<td>28</td>
<td>38</td>
<td>50</td>
<td>62</td>
<td>75</td>
<td>88</td>
<td>101</td>
<td>114</td>
<td>128</td>
<td>140</td>
</tr>
<tr>
<td>Minimum required GPA</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>19.5</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
</tr>
</tbody>
</table>
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 (12 semesters) of the normal time (8 semesters) to complete an undergraduate degree. This allows for double majors and change of majors. All transfer students are required to successfully complete a minimum of 70 percent of WCU credit hours for which they enroll.

**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 three weeks after the file is complete.

**Types of Aid** Three principle types of aid are available: (1) scholarships or grants awarded directly to the student that do not have to be repaid, (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 $3,000 per year as an undergraduate and $5,000 per year as a graduate. The maximum aggregate loan amount for an eligible undergraduate student is $15,000. A graduate student may borrow a maximum of $30,000 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 5 percent.

**Federal Direct Stafford/Ford Loan** These government-subsidized loans are available to students through lending institutions. 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 4 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 4 percent combined origination and insurance fee. The interest is the same as the subsidized Stafford except that the interest is capped at 8.25 percent 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 4 percent origination fee with a variable interest rate on the based 52-week Treasury Bill plus 3.10 percent (capped at 9 percent). Interest starts upon disbursement of funds. Repayment begins the date of disbursement of funds. Borrowers may not have an adverse credit history to be determined eligible.

**Loans for Study in Health, Science, and Mathematics** The North Carolina State Education Assistance Authority (NCSEAA) provides loans to North Carolina residents for study in selected health, science, and mathematics disciplines. Programs at Western Carolina University to which the loans are applicable are education majors in biology, chemistry, mathematics, and physical and health sciences, other areas include medical technology and nursing.

The amount of the loan is $4,000 annually to undergraduates during their second, third, and fourth years of study, and $5,000 for graduate students for two years. Recipients agree to
cancel their obligation by securing full-time employment in designated shortage areas in health or in secondary or post-secondary school systems. For more information, contact the North Carolina Student Loan Program for Health, Science, and Mathematics, PO Box 20549, 3824 Barrett Drive, Suite 304, Raleigh, NC 27619-0549, telephone (919) 571-4182.

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 $5,000 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, Koger Center - Cumberland Building, 3739 National Drive, Suite 210, Raleigh, NC 27612, telephone (919) 781-6833.

North Carolina Prospective Teacher Scholarship-Loans

Financial assistance to full-time students in teacher education programs is available at $2,000 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 6 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 10 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 25 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.

Nursing Student Loans

Nursing students with exceptional financial need are eligible to borrow the amount of their demonstrated financial need, up to $2,500 per year. Interest at 6 percent per year starts when repayment of the loan begins nine months after the student leaves school. Repayment may be deferred for up to three years during periods of active duty as a member of uniformed service or as a volunteer under the Peace Corps Act.

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, GA 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 total maximum 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, NC 27150.
Grants

Federal Pell Grants  Eligibility for assistance under the Pell Program is based on financial need as determined by a formula of the US Department of Education which is applied uniformly to all applicants. Awards range from $400 to $3,000 per academic year depending upon the cost of attendance. Students who complete the Free Application for Federal Student Aid (FAFSA) are considered for Federal Pell Grant eligibility.

Minority Presence Grant Program Part I—provides funds for grants to caucasian students at predominately African-American institutions and to African American students at predominately white institutions who are residents of North Carolina, are enrolled for at least three hours of degree credit course work, and demonstrate financial need. Part II—provides funds for grants to Native Americans and other minority students at the constituent institutions of the University of North Carolina who are residents of North Carolina, are enrolled for at least three hours of degree credit course work, and demonstrate financial need.

Incentive Scholarship and 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. The ISGPNA program has two components, including a need-based portion which awards a maximum of $700 per academic year to full-time students and a merit-based component that is available to entering and transfer students. The merit-based award criteria for entering students requires students to rank in the top one-half of their class upon graduation. They must also enroll for a minimum of fifteen credit hours per term and agree to perform public service at least six hours a week as freshmen and at least eight hours a week as upperclassmen. Transfer students must have a cumulative GPA of 2.5 and hold a degree or certificate that articulates directly into an academic degree program. All applicants must apply for financial assistance by completing the Free Application for Federal Student Aid (FAFSA) and an application forms available in the Financial Aid Office.

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 $2,000 per academic year.

North Carolina Tuition Grants Established by the General Assembly of North Carolina, each grant covers tuition and is available to academically-talented North Carolina students having need who are generally eligible for Pell Grants.

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 are 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 $5,000 to $7,000, 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 University Housing.

Other Part-time Work Opportunities. A part-time job placement service for students is operated in the CAP Center. All non-work-study job opportunities on the campus are filed with the CAP Center. Students should check the posted vacancies outside of Room 91, McKee.
SCHOLARSHIPS

Applying for Scholarships

The Office of Academic Affairs manages academic scholarship awards supported by funds from donors. Academic affairs cooperates with the financial aid and admissions offices and representatives from the colleges in screening applicants and making awards through the University Scholarship Committee. Students who apply to academic affairs are considered for all scholarships for which they may be eligible. For information about eligibility and application procedures for academic scholarships, contact the Office of Academic Affairs.

There are a variety of departmental and athletic scholarship awards, as well as scholarships managed by the admissions office for entering freshmen. For more information about freshman scholarships, contact the Admissions office. Students who have declared a major should inquire in their academic department office or their college dean’s office about scholarships in their discipline. For information about athletic scholarships, contact the athletics office.

Scholarship Listing

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

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

Mr. and Mrs. John W. Ashe Scholarship. 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.

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

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.

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 successful teaching. Contact the Department of Elementary and Middle Grades Education.

Albert Dudley Brewer Scholarships. These endowed scholarships, supported by the Adelaide Louise Brewer Fund, provide assistance for students with impaired hearing. Contact Student Affairs.

Frank H. Brown Family Scholarships. This endowment, which honors the long-time relationship of the F.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 Student Affairs.

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

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

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

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

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

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

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

The Ronnie 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.

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 WCU faculty. The fund provides support for undergraduate mathematics majors and English majors. Contact the appropriate department.

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 Financial Aid.

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 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 honor Winston Felts and 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.

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.

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.

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.

Glaxo Women in Science Scholarship. The Glaxo Women in Science Scholarships 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.

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

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

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

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.

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.

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 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.

Hospitality Management Scholarship Fund. Established by W.D. 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.

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.

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

Jackson County Western Alumni Scholarship Fund. This scholarship fund has been established by the alumni and friends of WCU 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.

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

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

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

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

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.

The John Donivan Hales/Jessie Lindsay Scholarship Fund. This fund was established by Jessie Lindsay Hales in memory of her husband, John Donivan Hales. Awards are made to students who are residents of Swain County and who have expressed an intention to major in elementary education. Contact the dean of the College of Education and Allied Professions.

The "Little E.J." Scholarship Fund. This fund, established by Blanton and E.J. Whitmire in honor of the son of E.J. and Genevieve Whitmire, provides support for students majoring in special education. Contact the head of the Department of Human Services.
James Lee Love Scholarship  This scholarship is awarded annually to a full-time North Carolina resident undergraduate student. Recipients are chosen by the financial aid office on the basis of academic standing and financial need. Contact Financial Aid.

Ernest C McCracken Scholarships  These endowed scholarships provide awards based on financial need and overall social, civic, and academic achievement and potential.

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 dean of the College of Business.

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

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

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 students in the liberal arts with priority consideration given to students with a 4.0 GPA in their major. Contact the Dean of the College of Arts and Sciences.

The Reg and Judy Moody Scholarship Fund  This scholarship fund was established by Reg and Judy Moody of Sylva, N.C., and supports scholarships for students in men’s basketball, women’s basketball, and football. Contact the Director of Athletics.

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 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 department of Communication and Theatre Arts.

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

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

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

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 WCU reflect sound accomplishment in the classroom, as well as successful participation in civic and social organizations. Contact Student Affairs.

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 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 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.

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

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

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.

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

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

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

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

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 Financial Aid

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

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

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

Duncan Tye Scholarship This scholarship was established by friends and family in memory of Duncan Tye, who taught for 20 years in the College of Business at WCU. 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 WCU, 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

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

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

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

By exercising a written option, a student may choose to graduate under the terms of a catalog in effect at a time later than provided for above. Option forms are available in the deans' offices.

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

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

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

Registration

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

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

Credits, Grades, and Quality Points

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

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

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

**Grading and Quality Point System**

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<th>Grade</th>
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<th>Quality Points per Semester Hour</th>
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<tr>
<td>B</td>
<td>Good</td>
<td>3.0</td>
<td>W</td>
<td>Withdrawal</td>
<td>--</td>
</tr>
<tr>
<td>B-</td>
<td>2.67</td>
<td>AU Audit</td>
<td>NC</td>
<td>No Credit</td>
<td>--</td>
</tr>
<tr>
<td>C+</td>
<td>Satisfactory</td>
<td>2.33</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C-</td>
<td>1.67</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D+</td>
<td>1.33</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Poor</td>
<td>1.0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D-</td>
<td>0.67</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Failure</td>
<td>0.0</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

*See Graduate Catalog for the graduate level grading system*

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 is pending until the work is completed.

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

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

**Final Grade Changes**

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

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**Withdrawal Policies and Procedures**

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

**Course Withdrawal**

After consultation with the academic adviser and the instructor of the course, a student may withdraw from any course prior to the expiration of one-half of the term and receive a W. A completed withdrawal form must be presented to the registrar prior to the withdrawal deadline for posting. Course withdrawals do not count toward the twelve hours required for full-time enrollment. In the application of the tuition surcharge policy, course withdrawals do count towards the 140 semester hour limit. (See the section on Fees for information on the tuition surcharge policy.)

After one-half of a term, a W will be assigned only for written verifiable health, medical, or legal reasons. This verification must come from a Western Carolina University physician, counseling and psychological services staff, or from an official of a court of law. If withdrawal from a course is approved by the course instructor, the department head offering the course, and the student's adviser, the withdrawal form must be submitted by the last day of regular classes to the registrar for posting. In extenuating circumstances, students should refer to the Academic Appeals Procedure section in The Record.

**UNIVERSITY WITHDRAWAL**

To withdraw from the university (i.e., drop all courses), a student must complete a withdrawal form from the Office for Student Affairs.

If an emergency prevents a student from completing the withdrawal process before leaving the campus, the student should call, write, or arrange for a friend or relative to contact the Office for Student Affairs at 828-227-7234.

Any time a student is forced to withdraw from the university during a term for 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 health, medical, legal, or administrative reasons after one-half of the total class time has elapsed, an F, W, or I grade will be assigned by the instructor according to the following guidelines:

1. A W grade will be assigned if the student is passing or if the student's progress has not been evaluated.
2. An I grade will be assigned if the instructor agrees that there is a reasonable prospect that the work can be made up and agrees to allow the student to do so.
3. An F grade will be assigned if the student is failing.

Current policies and procedures pertaining to grades, indebtedness, and refunds are applicable upon withdrawal from the university. A student who withdraws from the university either during or at the end of a term for any reason is responsible for clearing any indebtedness in the housing office, bookstore, financial aid office, controller's office, library, university police department, academic departments, and health services.

**Academic Appeals Procedure.** Students who feel they have been treated unjustly by an instructor in any matter pertaining to their academic work should follow in order the
academic appeals procedure 1) appeal verbally to the instructor, 2) appeal verbally to the instructor's department head, 3) appeal verbally 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 in a final grade must be submitted to the instructor within thirty-five days after the end of final exams

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

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

A Cheating Intentionally using or attempting to use unauthorized materials, information, or study aids in any academic exercise
B Fabrication Intentional falsification or invention of information or citation in an academic exercise
C Plagiarism Intentionally or knowingly representing the words or ideas of someone else as one's own in an academic exercise
D Facilitation of Academic Dishonesty Intentionally or knowingly helping or attempting to help someone else to commit an act of academic dishonesty, such as knowingly allowing another to copy information during an examination or other academic exercise

For specific information on procedures for cases involving allegations of academic dishonesty, see relevant sections in the Student Handbook

Transcripts. Transcripts are furnished, either to the student or by mail, only after accounts are cleared and only upon the student's written request, which must include the student's signature and student identification number There is no charge for transcripts issued

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

Student Academic Record Policy The university complies with the appropriate portion of the Family Educational Rights and Privacy Act of 1974 and recognizes the right of students to inspect their educational records, ask for interpretations, and request correction of errors The full statement about records maintained and policies concerning them is available from the registrar

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-, or F.

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

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

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

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

Retention Policy for Undergraduates

Good academic standing means that a student has earned an overall C or better average (2.0 grade-point average on a 4.0 scale) on courses taken at Western Carolina University. Good academic standing is expected of all students. Students must also meet the university’s requirements for minimal progress or retention.

Some departments or colleges at WCU require a cumulative grade point average higher than 2.0 for admission to or continuance in a major program. Students should refer to the appropriate section in this catalog for specific information. Any minimum grade point requirements imposed by the Office of Admissions at the time of admission will supercede this policy.

If a student’s cumulative grade point average falls below 2.0, the student is not in good academic standing, and a notice to that effect will appear on all grade reports and registration cards. These students should consult with their academic advisor and take advantage of university support services. Students who are in academic difficulty will receive one of the following messages on their grade reports: Academic Probation or Academic Suspension. These messages are determined by the following:

<table>
<thead>
<tr>
<th>Message</th>
<th>Determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Probation</td>
<td>GPA below 2.0 on cumulative grade point average.</td>
</tr>
<tr>
<td>Academic Suspension</td>
<td>GPA below 2.0 on cumulative grade point average and other factors.</td>
</tr>
</tbody>
</table>

If a student is not in good academic standing, they will receive one of these messages on their grade reports.
<table>
<thead>
<tr>
<th>Quality Hours and Transfer Hours</th>
<th>A student is on Academic Probation when GPA is</th>
<th>A student is on Academic Suspension when GPA is</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-17</td>
<td>1 999-1 000</td>
<td>999 or lower</td>
</tr>
<tr>
<td>18-21</td>
<td>1 999-1 208</td>
<td>1 207 or lower</td>
</tr>
<tr>
<td>22-25</td>
<td>1 999-1 361</td>
<td>1 360 or lower</td>
</tr>
<tr>
<td>26-30</td>
<td>1 999-1 496</td>
<td>1 495 or lower</td>
</tr>
<tr>
<td>31-35</td>
<td>1 999-1 592</td>
<td>1 591 or lower</td>
</tr>
<tr>
<td>36-40</td>
<td>1 999-1 664</td>
<td>1 663 or lower</td>
</tr>
<tr>
<td>41-45</td>
<td>1 999-1 720</td>
<td>1 719 or lower</td>
</tr>
<tr>
<td>46-50</td>
<td>1 999-1 765</td>
<td>1 764 or lower</td>
</tr>
<tr>
<td>51-55</td>
<td>1 999-1 801</td>
<td>1 800 or lower</td>
</tr>
<tr>
<td>56-60</td>
<td>1 999-1 832</td>
<td>1 831 or lower</td>
</tr>
<tr>
<td>61-65</td>
<td>1 999-1 858</td>
<td>1 857 or lower</td>
</tr>
<tr>
<td>66-70</td>
<td>1 999-1 880</td>
<td>1 879 or lower</td>
</tr>
<tr>
<td>71-75</td>
<td>1 999-1 899</td>
<td>1 898 or lower</td>
</tr>
<tr>
<td>76-80</td>
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<td>1 915 or lower</td>
</tr>
<tr>
<td>81-85</td>
<td>1 999-1 931</td>
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</tr>
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</tr>
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<tr>
<td>106-110</td>
<td>1 999-1 985</td>
<td>1 984 or lower</td>
</tr>
<tr>
<td>111 or more</td>
<td>---</td>
<td>1 999 or lower</td>
</tr>
</tbody>
</table>

In addition to the above determination based on grade point average, a student will be placed on academic suspension if he/she has been on academic probation for two consecutive regular terms.

First semester transfer students will be academically suspended if they fail to achieve a minimum 1.0 GPA by the end of their first semester at WCU. After the first semester, transfer students must meet the grade point average minimums listed above which correspond with the total of their transfer hours and WCU quality hours.

**Academic Probation**  Students who are on academic probation must achieve one of the following by the end of the next semester:

1. A cumulative GPA of 2.0 (while taking any number of hours), or
2. Attain a minimum 2.3 semester GPA on at least twelve hours but no more than fifteen hours during the semester (During summer terms a student must attain a minimum 2.3 semester GPA on at least six hours but no more than twelve hours).

**Academic Suspension**  A student whose grade point average and hours place him or her under academic suspension is no longer eligible for enrollment in the university. After one suspension, a student is ineligible to enroll at WCU before one regular semester has elapsed. Upon being suspended twice, a student is ineligible to enroll at WCU until two regular semesters have elapsed. Subsequent suspensions will cause a student to be ineligible to enroll at WCU until two calendar years have elapsed, at which time the student may ask that the two-year rule be applied.

Appeals for reinstatement without having to serve a specified period of suspension are approved or denied by the Admissions, Readmissions, and Retention (ARR) Committee. The ARR Committee’s decision is final and based upon the student’s written request for reinstatement, the supporting documentation submitted, and his/her previous academic record. Requests for reinstatement must be submitted to the Office of Academic Services as soon as possible but no later than ten days prior to registration.

A student whose appeal for reinstatement is approved will be designated as “Suspended/Reinstated” on his or her academic record. Each successful appeal resulting in reinstatement will be counted as part of the student’s total number of suspensions in determining the length of time a student is ineligible to enroll at WCU.
Readmission After Suspension. Students who have been out the required amount of time may apply for readmission in the same manner as other former students. See the “Admission of Former Students” in this catalog.

**Grade Replacement Policy for Undergraduates**

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

1. Only five courses (regardless of credit hour value) may be selected for grade replacement.
2. The grade replacement policy may only be applied one time for a particular course. For courses repeated beyond the limit for grade replacement, the Repeat Policy applies.
3. When a student elects to use a course for grade replacement, the student must file the Grade Replacement Form with the Registrar’s Office. This form indicates which course is to be excluded from GPA computation under this policy. Once a decision is made, it is irrevocable.
4. Although the original grade will not be used in determining the cumulative GPA of the student, the original grade will remain on the student’s academic transcript.
5. Any course elected for grade replacement must be taken and repeated at Western Carolina University.

Since all courses do not carry the same hours of credit, students are urged to consult their advisor in making decisions regarding use of the Grade Replacement Policy. It is the responsibility of the student to follow the grade replacement guidelines and to detect and report any needed adjustments to the student’s academic record.

**Repeat Course Policy for Undergraduates**

Students may repeat any number of courses taken for credit. A student may choose to replace a grade according to the Grade Replacement Policy. Once a student has exhausted the guidelines set in the Grade Replacement Policy, all quality hours and grades earned each time a course is taken will be used in computing the student’s GPA. Unless specifically stated in the catalog description, credit for any course may be applied only once toward the required hours for graduation.

**Academic Re-evaluation Policy**

To be eligible to elect an academic re-evaluation, a student must have a cumulative GPA below 2.0 and must have made a GPA of 2.30 or better on twelve or more hours of work for each of two successive semesters, one of which may be summer school. At least eighteen hours of the work taken in the two semesters must apply to general education 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 general education requirements but not to fulfill major requirements.

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

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

**Two-Year Rule Policy.** An undergraduate with a GPA below 2.0 who has not attended the university for two or more calendar years and who is eligible for readmission is given the option of having the two-year rule applied or not applied.
If the two-year rule is applied, all courses completed before the interruption are treated as if they were transferred from another institution. No hours of credit will be allowed for courses in which C- or less grades were earned, although, at the discretion of the student's major department, they may be used to waive appropriate course requirements. The student's cumulative GPA will be based on courses attempted after readmission. The earned hours will include all credits (1) transferred from other institutions, (2) completed with a grade of C (2.0) or higher before the two-year rule was applied, and (3) earned after the last two-year rule was applied.

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

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

**Credit and Placement Policies**

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

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

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.
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, dean's, and registrar's approval before enrollment at the other institution. Transient Approval Forms are available in the Registrar's Office and the departments. Students must be in good standing and eligible to re-enroll at Western Carolina University to secure transient permission.

Course work taken at an institution which has a consortium agreement with Western Carolina University will be given credit on the same basis as course work taken at 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 WCU.

Transfer Credit from Unaccredited Institutions: Credit for courses taken at unaccredited institutions, if accepted, may be subject to validation by successful completion of more advanced courses and through the university's credit by examination and CLEP policies.

Transfers of Credit from Technical Programs: Credit may be transferred from a technical program of a two-year institution and applied toward an appropriate bachelor's degree if the institution is fully accredited or is a candidate for regional accreditation. Students who have not earned an associate degree in a technical program, or who hold a degree in a program not covered by a cooperative agreement, will have their credits evaluated by the Registrar's Office and the department head of the student's major. Information about course transferability may be obtained in the Registrar’s Office.

Cooperative Transfer Agreements: For students who have earned an associate degree from a two-year institution in a program covered by a cooperative transfer agreement with that institution, the requirements for a degree in that program are as stipulated in the agreement.

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

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

Placement in Freshman English: Based on the scores achieved on writing samples taken during orientation sessions, students will be placed in the appropriate composition section. ENGL 100, 101, or 102 Honors: Students placed in ENGL 102 Honors who achieve a grade
of C (2.0) or better will receive an additional three hours of credit for ENGL 101. Students placed into ENGL 101 must complete the six-hour Freshman English sequence of ENGL 101, followed by ENGL 102.

Although students placed into ENGL 100 may not apply its three hours of credit toward graduation, they must complete that course to become eligible for entry into the ENGL 101-102 sequence.

**Placement in Mathematics** A mathematics placement exam is administered to all entering students during the summer orientation sessions and at the beginning of each semester. Based on the results of this exam, students may place into MATH 130, 170, 145, 146, or 153. Students who do not pass the exam will be required to pass MATH 100 before enrolling in any course for which MATH 100 or placement is a prerequisite. MATH 145 and MATH 146 can be waived as requirements for students who place into MATH 153. The placement test does not generate course credit for course requirements that are waived as a result of placement.

If a student’s major or program requires only a general education math course, students may take MATH 101 regardless of their placement. However, MATH 101 does not satisfy the prerequisite for MATH 130 or MATH 170. Advisers should check the catalog for major or program requirements.

**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 general education course 101. Additional information can be obtained from the department or from a CAP Center adviser.

**Chemistry** Freshmen with above-average ability in chemistry are encouraged to take the American Chemical Society’s standardized examination. Satisfactory performance allows a student credit in either CHEM 132 or 140. Additional tests may be taken for a maximum of ten 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, French language and literature, German literature, Latin, music, physics, political science, psychology, and Spanish language and literature.

**Assessment Program** As part of WCU’s continuing effort to maintain the quality of academic programs and university services, the university has implemented 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 only be reported to the student. Other uses of assessment data will be reported only in aggregate form to the university community and required external sources.

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

**Credit by Examination.** A student may apply to be examined in any general education course and any other 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. Student
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 general education requirements or complies with other conditions prescribed by the appropriate deans and department heads. The subject examinations also may be used to validate credits earned at unaccredited institutions or courses taken through military service and to earn credit for courses failed at the university or other institutions. A list of the approved examinations and the credit that may be awarded is available in the Office of Academic Services.

The minimum score required for credit is the 50th percentile on the national norms for the examination in question. Departments also may require demonstration of achievement by satisfactory completion of an essay or by provision of other evidence of the competencies to be mastered in a course or course sequence. The general examinations of CLEP are not accepted for credit. Subject examinations that are repeated within less than one year from the date of previous testing will not be considered for credit.

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

Credit for Experiential Learning

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

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

Credit for all or part of a course(s) may be awarded. If partial credit is awarded, the student will pay the full cost of the course, but will be required to attend only those classes and do additional work as designated. There is no charge for courses for which full credit is awarded.
Committee actions, when endorsed by the department head and dean, must be reported to the registrar. The credit awarded is not applicable to the university's residency requirement.

**Credit for Veterans of Military Service** To receive credit for military service, a veteran must have served at least twelve months in continuous active duty in a branch of military service and present the registrar an official copy of the Department of Defense (DD) 214. Once evaluated, the student will receive seven hours of credit in free electives if the degree program requires a minimum of 128 credit hours. Service school courses will be evaluated on a course-by-course basis using the American Council of Education recommendations for evaluation of military credits. This award of credit does not alter other university requirements, or major, minor, concentration, or general education 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.** Field trips and scheduled absences should be planned to disrupt the school calendar as little as possible. Only in rare instances should they be made during the last two weeks of the semester or when early registration is in progress. Classes missed because of field trips or service to or for the university must be processed in advance by the instructor and each participating student. The faculty member in charge must obtain permission for the trip from the dean at least ten days in advance and give each student a copy of the approved request. Each student must present the request, containing the name of the sponsor and the group, the purpose and dates of the trip, and the names of the participating students, to each instructor for signature prior to the trip. The faculty member will notify the dean if any students fail to make the trip. Questions of policy interpretation may be referred by the dean to the Office for Academic Affairs.

A student who misses an examination or quiz because of an approved trip is responsible for contacting the instructor within a week after returning to make mutually satisfactory arrangements for a make-up. The instructor is under no obligation to provide a make-up unless the student notifies the instructor of the absence prior to departure. The student also is responsible for making up assignments and for knowing the material covered.

**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 the
designated times and places during final exam week. Change in time of an examination for an entire class for any reason must be approved by the head of the department, by the dean of the college, the vice chancellor for academic affairs, and the chancellor.

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

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

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

Graduation and Certification

Application for Graduation. After earning ninety hours, to be certified as a candidate for graduation, the student must obtain an application form from the dean and return it to 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 in the Controller’s Office.) The dean will send the completed application and an official transcript to the student’s department head. In consultation with the student’s adviser, the department head will determine all requirements remaining to be completed. At the appropriate time, the application will be brought up to date, signed by the department head, and returned to the dean who will certify it and forward it to the registrar.

Undergraduate students should begin the procedure immediately after ninety hours have been earned. Specific deadlines for filing degree applications are given 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 school. Procedures for teacher certification are found in the College of Education and Allied Profession section.

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

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

**Majors.** A major consists of a group of prescribed and elective courses (30-64 hours) providing breadth and depth in an academic discipline, in two or more closely related disciplines, or in an interdisciplinary field of study. The requirements for a major in one discipline may include supporting courses selected from other disciplines.

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

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

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

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

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

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

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

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

**General Electives.** Unless a program has been specifically exempted, each degree plan includes a minimum of twelve hours of general (free) electives. These electives are exclusive of (1) hours earned in meeting the requirements of the other components of a degree program, (2) any remedial or developmental work a student may take, and (3) elective hours that may become available to a student through application of the general education 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. General education requirements may be waived or altered only with the approval of the director of general education. 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. The major selected by each student will determine the assignment of a faculty member for academic advising. Students who do not know the names of their advisers should contact the head of the major department or the CAP Center. To be assigned an adviser or arrange for a change of adviser, a declaration or change of major/adviser form must be completed. The major selected by the student also determines the major field-of-study name to be entered on all appropriate forms. This name will appear on all grade reports received by the student and adviser.

Students Undecided About a Major. Students are not required to declare a major at the time they enter the university. By exercising some care, it is possible, without encountering any difficulty, to earn credit toward a degree for several semesters before selecting a major. However, students are encouraged to select a specific major no later than the semester after they have achieved sophomore standing. Through the CAP Center, the university provides a specific program of academic advisement to assist the undecided student in course selections and career decisions. When an undecided student does select a major, the declaration or change of major/adviser procedures should be observed.

Declaration or Change of Major/Adviser Procedure. A student who decides to declare or change a major must complete the declaration process in order to be assigned a new adviser in the appropriate department and to change the official records of the university. The student secures the declaration form from the present adviser or department head and completes the procedure by following the instructions on the form. The new major field-of-study name should appear on the next grade report/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 general education and in the major as specified by the department head and dean. A student may obtain from the university only one of each of the six bachelor's degrees offered by the university, i.e., only one Bachelor of Arts degree, one Bachelor of Fine Arts degree, one Bachelor of Science degree, one Bachelor of Science in Business Administration degree, one Bachelor of Science in Education degree, and one Bachelor of Science in Nursing degree.

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 thirty additional hours must be selected so as to meet the requirements in general education, 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.

General Education Requirements:

Western Carolina University is devoted to the concepts of liberal education. All bachelor’s degree programs include studies in general education designed to provide each student with the opportunity to develop a high degree of skill in the arts and mechanics of reasoning, critical thinking, and effective oral and written expression, an appreciation and understanding of our rich cultural heritage and the complexities of human relationships, traits of mind and spirit which reflect sound insights into self and the physical and social world in which we live, reference and resource skills, and a system of values essential for intelligent and discerning judgments and decisions.

It is believed that general education not only contributes to these basic objectives, but serves to integrate the total undergraduate experience and to promote optimum student achievement in chosen areas of interest. The framework within which the requirements of general education are satisfied accommodates extensive individuation among students and allows for diverse and distinctive programs of study.

Credit earned by examination and advanced placement in appropriate courses may be applied toward fulfillment of the requirements. Evaluation of the applicability of transferred courses toward general education requirements is the responsibility of the Office of Admissions in consultation with the appropriate department head and director of general education based on university guidelines.

The student has a choice of several approved courses to satisfy the requirements of each of the general education categories. Degree programs cannot specify a particular course within the general education program. In the cases where a general education course is specified as a requirement for a degree program, then that general education requirement must be met by another of the approved courses in the general education category. A student cannot satisfy both a general education requirement and a degree program requirement by taking a single course. In a few cases, there is a provision for the waiver of a general education requirement based upon placement or passing another course. In these cases, the hours waived become free electives, or in the case of certain approved majors, program and/or major requirements.

The general education component required in all bachelor’s degree programs includes a total of forty-one semester hours. The distribution requirements and the courses that are approved for each category are listed below:

Foundations Areas, 16 hours

1. **Written Communication, 6 hours**
   - ENGL 101, 102 Composition I, II, 3 hours per course.

2. **Mathematics, 3 hours**
   - MATH 101 Mathematical Concepts, 3 hours.
   - (This requirement is waived if a student passes a higher-level math course. Hours waived become free electives.)

*See graduate catalog for graduate degree requirements.*
3 Oral Communication, 3 hours (formerly Thinking, Reasoning, and Expressing)
CMHC 201 Introduction to Speech Communication, 3 hours, PREQ ENGL 101
BA 204 Oral Communication, 3 hours, PREQ ENGL 101

4 Computer Literacy, 1 hour
CS 101 Computer Concepts and Issues, 1 hour
The requirement is waived
(1) if the student passes CS 130, CS 150, or CIS 251,
(2) if a junior or senior transfer student who passes BIOL 304, BIOL 333, CHEM 454, CJ 352, ENGL 401, GEOG 326, CMCR 301, CMPM 303, PSC 348, SOC 385, SOC 386, or OA 340,
(3) if a student takes a practical test (administered by the Mathematics and Computer Science Department) and demonstrates competency in three of four computer applications: Word Processing, Networking, Spreadsheets, and/or Power Point
Hours waived become free electives. No credit for CS 101 is awarded to students who enroll in the course after the computer literacy requirement has been met.

5 Leisure and Fitness, 3 hours
The courses taken must include two hours selected from Health 120 or PE courses numbered 102-231 except for PE 213
ART 120 Beginning Drawing and Sketching, 1 hour
ART 124 Beginning Ceramics, 1 hour
ART 125 Introduction to Calligraphy, 1 hour
BIOL 108 Recreational Botany, 1 hour
HEAL 120 Personal and Community Health, 2 hours
MUS 110 Introduction to Instrumental Ensembles, 1 hour
MUS 111 Introduction to Vocal Ensemble, 1 hour
MUS 112 Introduction to Piano, 1 hour
MUS 113 Introduction to Singing, 1 hour
MUS 117 Introduction to Guitar, 1 hour
PE 101 Yoga, 1 hour
PE 102 Beginning and Advanced Beginning Swimming, 1 hour*
PE 103 Intermediate and Advanced Swimming and Aquatic Sports, 1 hour*
PE 104 Lifesaving, 1 hour*
PE 105 WSI Training Course, 1 hour*
PE 107 Synchronized Swimming, 1 hour*
PE 108 Canoeing, 1 hour*
PE 109 Karate, 1 hour
PE 113 Hiking, 1 hour
PE 114 Jogging, 1 hour
PE 115 Weight Training, 1 hour
PE 116 Slimnastics, 1 hour
PE 118 Aerobic Dance, 1 hour
PE 122 Beginning Tennis, 1 hour*
PE 123 Beginning Golf, 1 hour*
PE 124 Handball, 1 hour
PE 125 Racquetball, 1 hour
PE 126 Bowling, 1 hour
PE 127 Badminton, 1 hour
PE 129 Archery, 1 hour
PE 130 Lifeguard Training, 1 hour
PE 132 Basketball, 1 hour
PE 133 Volleyball, 1 hour
PE 134 Softball, 1 hour
PE 135 Soccer, 1 hour
PE 202 Casting, 1 hour
PE 203 Gun Handling, 1 hour
PE 204 Snow Skuing, 1 hour
PE 205 Modern Dance and Choreography, 1 hour
PE 206 Social, Line, and Folk Dance, 1 hour
PE 207 Fencing, 1 hour

*Placement in water sports and in beginning and advanced golf and tennis is determined by prerequisites if any and by the skills demonstrated at the first class meeting. A student whose skills are inappropriate is advised into a course at the appropriate level.
PE 209 Advanced Tennis, 1 hour*
PE 210 Advanced Golf, 1 hour*
PE 214 Tumbling and Rebound Tumbling, 1 hour
PE 215 Gymnastic Apparatus, 1 hour
PE 228 Adaptive Physical Education, 1 hour
PE 231 Aquarobics, 1 hour
CMTA 102 Theatre Production Stagecraft, 1 hour
CMTA 103 Theatre Production Costume, 1 hour

Perspectives Areas, 25 hours

The courses selected must include one course in literature selected from any literature course offered in any of the Perspectives categories (ENGL 201, 203, 204, GER 204, ASI 108) ENGL 102 is prerequisite to all courses in English above the freshman level

1 Social Sciences and Contemporary Institutions, 6 hours
   a Human Behavior, 3 hours
      GEOG 102 (301)** World Regional Geography, 3 hours
      LAW 105 Law and Society, 3 hours
      PSY 101 (301)** Perspectives on Human Behavior, 3 hours
      SOC 103 (300)** Human Society, 3 hours
   b Contemporary Institutions, 3 hours
      ECON 104 (312)** Contemporary Economic Institutions, 3 hours
      HIST 106 (306)** Modern American Institutions, 3 hours
      LAW 205 (325)** Legal Issues and Institutions, 3 hours
      PSC 106 (300)** American Politics and Issues, 3 hours

2 Physical and Biological Sciences, 7 hours
   AST 101 Descriptive Astronomy, 3-4 hours
   BIOL 101 Biology in the Contemporary World, 3-4 hours
   CHEM 101 Chemistry in Society, 3-4 hours
   ENVH 130 Environmental Health Science Systems and Solutions (3)
   GEOL 110 Environmental Geology, 3-4 hours
   PHYS 105 Contemporary Physics, 4 hours
   Courses in two different sciences are required The courses selected must include one course with a lab PHYS 105 may be taken only as a four-hour course including both lecture and lab All of the other courses may be taken with the lab for four hours credit or without the lab for three hours credit However, a student must be enrolled in the lecture to take the lab for the course (Part or all of the science requirement is waived if a student enrolls in and passes one or more higher level science courses Courses in two different sciences are required to waive all of the requirement Hours waived become free electives )

3 The Humanistic Experience, 6 hours
   a Humanities, 3 hours
      ASI 108 (308)** The Ancient and Medieval Experience, 3 hours
      CHER 101 Cherokee Language and Culture, 3 hours
      ENGL 203 Major American Writers, 3 hours PREQ ENGL 102
      FREN 101 French Language and Culture or FREN 110°, 3 hours
      GER 101 German Language and Culture or GER 110°, 3 hours
      SPAN 101 Spanish Language and Culture or SPAN 110°, 3 hours
      PHIL 101 Western Philosophical Traditions, 3 hours
   b Fine or Performing Arts, 3 hours
      ART 104 (308)** Introduction to Visual Arts, 3 hours
      MUS 101 (300)** Music Appreciation, 3 hours
      CMTA 104 (304)** The Theatre Experience, 3 hours

4 Comparative Cultures, 3 hours
   ANTH 120 (320)** Comparative Cultural Systems, 3 hours
   ART 102 (302)** Non-Western Art, 3 hours
   ECON 103 (311)** Economics of Comparative Cultures, 3 hours
   ENGL 204 Cultures in Contact and Collision, 3 hours PREQ ENGL 202

* Only three of the six credit hours earned in FREN GER SPAN 110 apply to general education The remainder apply to program major or elective hours outside of general education

** Courses listed in parenthesis are course number listings for transfer students only from Haywood Community College
FREN 105 The French-Speaking World, 3 hours
GEOG 103 (303)** Cultural Geography, 3 hours
HIST 107 (307)** World Cultures in Historical Perspective, 3 hours
MUS 303 The World of Music, 3 hours, PREQ P3b course
PSC 107 (301)** Comparative Political Cultures, 3 hours
REL 105 Eastern Religious Tradition, 3 hours
SPAN 105 The Spanish-Speaking World, 3 hours

5 The Human Past, 3 hours
ANTH 110 Ongins of Civilization, 3 hours
ART 103 Social History of Art, 3 hours
ENGL 201 Literary Landmarks in Western Culture, 3 hours PREQ ENGL 102
GER 204 A Literary Perspective on German Civilization, 3 hours PREQ ENGL 102
HIST 105 (305)** History of Modern Western Civilization, 3 hours
MUS 102 Music in American Culture, 3 hours
PSC 108 Global Issues in Politics, 3 hours
REL 106 Western Religious Tradition, 3 hours

* Only three of the six credit hours earned in FREN GER SPAN 1 1Qapply to general education The remainder apply to program major or elective hours outside of general education

** Courses listed in parenthesis are course number listings for transfer students only from Haywood Community College

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), and Education and Allied Professions (E&AP).

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<tr>
<th>Undergraduate Major</th>
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<td>Accounting</td>
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<td>Chemistry</td>
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In addition to the curricula offered by a department or jointly by two departments, the university provides a number of special-purpose programs in which students may participate either as a part of the regular degree programs of their choice or as alternatives to them. These opportunities include the following programs:
The Honors College

Students with a 3.5 GPA or higher are invited to join The Honors College at Western Carolina University. First-year students are admitted who have achieved at least one of the following: a 3.5 GPA in high school, top 10 percent of high school class, 1150 score on the SAT, or 27 score on the ACT. The College is designed to enhance the academic university experience for high-achieving students. The College consists of Honors courses at the general education level, with seminars, courses, and independent study within the major. Students in the college are invited to live in Reynolds Hall, a residence with special facilities and programs for Honors students. Those students who complete 30 hours of Honors College credit and who graduate with at least a 3.33 cumulative GPA will receive the Honors College diploma.

Although transfer credit, Advanced Placement (AP) credit, and credit for courses surpassed (earned by passing a higher-level course) do not figure into a student’s grade point average at Western Carolina University, all these credit hours count toward a student’s total hours. In determining credit hours for class rank (freshman, sophomore, junior, and senior) and standing in The Honors College, transfer credit, AP credit and credit for courses surpassed are counted in the total number of hours. For more information, please contact the dean of the Honors College at 828-227-7383.

Special Studies Programs

The Bachelor of Arts and Bachelor of Science degrees in Special Studies are university-wide degrees awarded by Western Carolina University. Programs leading to these degrees are designed for students by sponsoring faculty members following general university guidelines for program development. Each program includes a general education component consistent with university guidelines and a unified program of study in a special area that has been appropriately reviewed and approved at the departmental, college, and university levels. Responsibility for the administration of, and academic advisement in, the program is assigned to the several departments and colleges, depending upon the nature of each program.

Study Abroad

As a part of its commitment to international education, the university offers a wide range of study abroad programs. Some programs are WCU-based while others are offered through other universities and agencies. Travel and study programs are available at any time during the year and range from a few weeks to a year in duration. Study Abroad programs are open around the world and available in English or the language of the country. For more information, contact the Office for Student Affairs.

Preprofessional Programs

Students who attend the university to prepare for admission into a professional school are provided with a variety of options for the programs they may pursue. If the professional school of the student’s choice is one that does not require a bachelor’s degree for admission and the student plans to transfer before earning a degree, academic advisers in the CAP Center and in the appropriate department will assist the student to develop a program plan suited to the field and to the admission requirements of the professional school.

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

The general preprofessional preparation needed for some of the programs about which students inquire most often is described below. Students interested in programs in professional fields other than those described should direct their inquiries to the advisement coordinator in the CAP Center or to the head of the appropriate department.
**Pre-Engineering** A two-year pre-engineering program is offered in the Department of Chemistry and Physics. It emphasizes basic courses in chemistry, mathematics, physics, and the humanities that are common to all engineering curricula. The program may be modified depending upon the field of engineering chosen and the school of engineering to which the student plans to transfer.

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

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

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

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

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

**Pre-Pharmacy** Two years (64 semester hours) of preparatory work are normally required for admission to a three-year pharmacy program.

Advisers are available in the CAP Center and the departments of biology and chemistry/physics. Pre-pharmacy students should plan to enroll in English, chemistry, biology, physics, mathematics, and the appropriate elective courses required for admission to the chosen professional school. Most schools require the Pharmacy College Admissions Test (PCAT) to be taken during the second year of preprofessional study.

**Cooperative Transfer Agreements with Community Colleges**

Western Carolina University participates in the general transfer agreements developed by the University of North Carolina General Administration in cooperation with the North Carolina community colleges. The university has developed several additional agreements with individual community colleges in specific academic areas. For additional information, contact the transfer coordinator in the WCU 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 office, 50 McKee.

Internships and Practica. 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 of Applied Sciences is responsible to the Office of Academic Affairs and is organized into six academic departments (Criminal Justice, Health Sciences, Human Environmental Sciences, Industrial and Engineering Technology, Nursing, and Physical Therapy).

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

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

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

Emergency Medical Care. Admission to the professional sequence requires the completion of a minimum of 60 semester hours including all general education 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 coordinator 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 professional sequence upon completion of all general education, program, and preprofessional course requirements with a minimum cumulative GPA of 2.0. Applicants are evaluated on their overall educational records, including achievement in science and non-science courses as well as communication skills. Transfer students will be admitted with provisional status for one semester. Students admitted to the professional sequence will be required to maintain a C (2.0) in each course in the major and in the emphasis area.
Health Information Management. Students must have completed 59-60 semester hours of college work before admission, including all general education course requirements as well as BIOL 291/292. To be eligible to apply, a GPA of 2.0 is required. However, application does not assure acceptance. Students must earn a grade of C (2.0) or above in each professional course in the major to remain in the program.

Health Services Management. Application is limited to transfer students who hold an allied health credential and an associate degree. Students in clinical laboratory sciences and health information management are not eligible for admission except as candidates for a second bachelor's degree. A grade of C (2.0) or better in each course in the major and in the discipline area is required of admitted students to remain in the major.

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 (2.5 minimum) on all previous undergraduate college work and test scores. Further details are in the departmental application packet. Applications from non-RNs should be received with all supporting materials by February 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 general education and program requirements. The undergraduate didactic program in nutrition and dietetics (DPD) is approved by the American Dietetic Association (ADA). Students who complete the program with a minimum GPA of 2.5 and a C (2.0) or better in all major courses will receive an ADA verification statement. This verification statement qualifies graduates to pursue further training in ADA-accredited dietetic internships or ADA-approved preprofessional practice programs, after which they will be eligible to take the ADA registration examination to become registered dietitians. Western Carolina University offers this training within the Dietetic Internship, which is a part of the Master of Health Sciences Degree Program. Admission to the option and to the program is competitive.

DEPARTMENT OF CRIMINAL JUSTICE

F. Frederick Hawley, Head

E. Davis, S. Harb, W. Hyatt, J. McKinney, N. Okereofezeke

Major in Criminal Justice, B.S. Degree

General education, 41 hours

Program requirements, 6 hours

PSY 250 and ENGL 401

The major requires 51 hours as follows:

CJ 250 The Criminal Justice System, 3 hours
CJ 320 The Law Enforcement Process, 3 hours
CJ 330 Courts and Criminal Procedure, 3 hours
CJ 340 The Corrections Process, 3 hours
CJ 350 Criminal Justice Theory, 3 hours
CJ 352 Planning and Methodology, 3 hours
CJ 482 Senior Directed Research, 3 hours
PSC 302 or 303 or 304 or 307, 3 hours
PSY 310 or 331 or 363 or 430 or 470, 3 hours
SOC 350 or 354, Deviant Social Behavior or Social Problems, 3 hours

Criminal Justice upper-division electives, 21 hours, with no more than 3 hours from CJ 389/483 and no more than 6 hours from CJ 480

General electives (30 hours) are required to complete the program. Students are urged to plan, in consultation with their faculty adviser, an elective program that will lead to competency in a secondary area.
Minor in Criminal Justice

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

DEPARTMENT OF HEALTH SCIENCES

Barbara Lovin, Head

T Connelly, B Cosper, G Eyambe, S Feltner, W Floream, W Foegelle, S Higgins, K Hosig, M Hubble, N Kehrberg, P Kneller, G Smith, D Southern, C Stevens, E Story, D Trigg, R Turpin, S VanTassel, N Williams

Major in Clinical Laboratory Sciences, B.S. Degree

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

The major requires 56 hours as follows:

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

General electives, 11 hours

Major in Emergency Medical Care, B.S. Degree

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

The major requires 57 hours as follows:

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

Concentration selected from  
Science, 17 hours  PHYS 130, 131, CHEM 242, 272, plus 4 hours from BIOL 300/400,  
CHEM 300/400, ENVH 470  

Health Management, 17 hours  HSMS 310, 450, 470, MGT 300, plus 6 hours from ACCT  
161, ECON 231, 235, EMC 440, HSMS 320, 440, 471, MGT 304, MGT 306, MKT 301  

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

Major in Environmental Health, B.S Degree  

General education, 41 hours  

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

The major requires 62 hours as follows  
Preprofessional courses, 15 hours  CHEM 132, 133, 330, BIOL 413, 414  
ENVH 230 Introduction to Environmental Health Science, 3 hours  
ENVH 310 Water Quality Control, 4 hours  
ENVH 330 Food Protection and Sanitation, 4 hours  
ENVH 375 Environmental Toxicology, 3 hours  
ENVH 440 Air Quality Control, 4 hours  
ENVH 457 Industrial Hygiene, 3 hours  
ENVH 458 Environmental Regulation and Law, 3 hours  
ENVH 460 Senior Seminar in Environmental Health, 1 hour  
ENVH 470 Principles of Epidemiology, 3 hours  
ENVH 475 Environmental Program Administration, 3 hours  
ENVH 483 Environmental Health Internship, 3 hours  
GEOG (GEOL) 305 Soils and Hydrology, 4 hours  

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

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  

Major in Health Information Management, B.S. Degree  

General education, 41 hours  

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

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

Electives (9 hours) are required to complete the program

**Major in Health Services Management, B.S. Degree**

General education, 41 hours

Program requirements, 9 hours  CIS 251, OA 304, and PSY 251 or ECON 235 or MATH 170

The major requires 54 hours as follows
HSCC 330 Legal and Legislative Aspects of Health Care, 3 hours
HSM 310 Systems and Trends in Health Care Delivery, 3 hours
HSM 320 Human Resource Management in Health Care Agencies, 3 hours
HSM 440 Quality Management in Health Care Agencies, 3 hours
HSM 450 Financial Management in Health Care, 3 hours
HSM 470 Research Methodology and Analysis in Health Sciences, 2 hours
HSM 471 Research Project, 1 hour
MGT 300 Introduction to Management, 3 hours
MGT 306 Behavioral Science in Organizations, 3 hours

Discipline area, 30 hours  Up to 30 hours of appropriate credit as determined by the College of Applied Sciences in the allied health specialty will be accepted for certified allied health personnel  If less than 30 hours are accepted, the difference may be made up through basic science courses or courses in specified areas of interest  If transfer credit does not include five hours at the upper-division level, an additional five hours of 300-400 level general electives must be completed

16 hours of general electives at the junior-senior level are required to complete the program

**Major in Nutrition and Dietetics, B.S Degree**

General education, 41 hours

Program requirements, 11 hours  CHEM 132, 133, and PSY 250

The major requires 55 hours as follows
ND 231 Food Science, 4 hours
ND 330 Human Nutritional Needs, 3 hours
ND 334 Nutritional Applications, 3 hours
ND 433 Research Methods in Nutrition, 3 hours
ND 434 Experimental Methods in Foods, 3 hours
ND 436 Advanced Human Nutrition, 4 hours
ND 437 Diet Therapy, 4 hours
ND 439 Introduction to Professional Practice, 3 hours
HSCC 310 Principles of Clinical Precepting, 1 hour
HM 333 Quantity Foods, 3 hours
HM 430 Food Systems Management, 3 hours
BIOL 292 Human Anatomy and Physiology, 4 hours
BIOL 313 or HSCC 260 Microbiology in Health and Nutrition or Etiology of Infectious Diseases, 3 hours
HSCC 330 Legal and Legislative Aspects of Health Care, 2 hours
HSM 320 Human Resource Management in Health Care Agencies, 3 hours
HSM 450 Financial Management in Health Care, 3 hours
MATH 170 Applied Statistics or PSY 251 Research Methods I Statistics, 3 hours
MGT 300 Introduction to Management, 3 hours

General electives (13 hours), including at least 4-7 hours at the junior-senior level, are required to complete the program

**Minor in Nutrition and Dietetics**

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

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**DEPARTMENT OF HUMAN ENVIRONMENTAL SCIENCES**

Davia Allen, Head

J Baldwin, J Dowell, S Grunwell, J Hall, J King, L Roberts, J Smaglik, K Special, M Yops, J Zhao

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**The Birth-Kindergarten Program**

Admission and retention policies in the BK 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 and mandate that those found unlikely to succeed as teachers should be withdrawn.

**Admission to the Birth-Kindergarten Program**

Students in this program will meet the competencies established by the State Department of Public Instruction for the BK license and professional studies. Entrance into the program will require a passing score on Part I of the PRAXIS, an overall GPA of 2.5, the completion of a total of 45 hours with at least 35 hours of the general education requirements met, a grade of C (2.0) or better in ENGL 101, 102 and ENGL 300 (if required), a personal interview and a satisfactory evaluation from the BK faculty. Students must meet all requirements for admission prior to earning 90 hours of credit. Applicants already holding a non-teacher education degree must meet these requirements, except they are not required to take PRAXIS I. They must have had a 2.5 GPA at the time of graduation. The professional education sequence will include BK 260, SPED 200, CDFR 261, 360, 363, and BK, SPED, EDEL 491 and 496. Students must apply for admission to the program no later than the semester in which they will complete 12 hours of the courses in the professional sequence. For official admission to the BK program students must also be approved by the head of the department of the student's major and by the Teacher Education Council. The applicant's fitness for teaching in the BK area is determined on the basis of demonstrated academic abilities and on personal characteristics conducive to effective teaching.

**Continuation in the BK 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, which is prerequisite to internship. 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 and/or communication skills or the PRAXIS I twice, the student is withdrawn from teacher education.
Major in Birth-Kindergarten, B.S. Degree

General education, 41 hours

Program requirements, 15 hours  SPED 240, BK 260, CFS 261, 360, 363

Major requirements  60 hours as follows
BK 361 Environments for Young Children, 3 hours
BK 462 Adult Child Interactions, 3 hours
EDEL 314 Kindergarten Curriculum, 3 hours
BK, SPED 366 Infant Curriculum, 3 hours
BK, SPED, EDEL 470 Early Childhood Curriculum, 3 hours
CFS 467 Perspectives in Parenting, 3 hours
CFS 468 Family Interpersonal Relationships, 3 hours
SPED 467 Home Based Intervention, 2 hours
SPED 313 Assessment of Young Children, 3 hours
SPED 411 Collaborative Planning, 3 hours
SPED 412 Interagency Practicum, 2 hours
EDEL 313 Literacy and Numeracy, 3 hours
EDCD 302 Communication Development and Disorders, 3 hours
HSCC 231 Introduction to Health Promotion and Disease Prevention for Preschool Children, 3 hours
BK, SPED 488 Internship I, 8 hours
BK, SPED, EDEL 489 Internship II, 9 hours
BK, SPED, EDEL 496 Internship Seminar, 3 hours

Electives, 12 hours

Major in Child and Family Studies, B.S. Degree

General education, 41 hours

The major requires 61 hours
CFS 261 Family Dynamics, 3 hours
CFS 360 Infancy, 3 hours
CFS 363 Child Development, 3 hours
CFS 467 Perspectives in Parenting, 3 hours
CFS 468 Family Interpersonal Relationships, 3 hours
COUN 430 Individual and Group Counseling, 3 hours
FS 262 Introduction to Family Studies, 1 hour
FS 321 Family Finance, 3 hours
FS 362 Family Wellness, 3 hours
FS 364 Survey of Human Development, 3 hours
FS 464 Family and Community, 3 hours
FS 469 Middle and Later Life Families, 3 hours
FS 483, 484, 485 Internship, 3 hours each course
FS 497 Child and Family Seminar, 3 hours
PSY 322 Adolescent Development Problems and Achievements, 3 hours
PSY 331 Human Sexuality, 3 hours

Related electives (9 hours) (cultural diversity-3 hours, gender issues-3 hours, other-3 hours) approved by the adviser, are required

General electives (18 hours) are required to complete the program

Major in Hospitality Management, B.S. Degree

General education, 41 hours

Program requirements, 11 hours  ACCT 161 or 251, ECON 231, 232, HEAL 250

The major requires 64 hours as follows
HM 130  Introduction to the Hospitality Industry, 3 hours
LAW 230  Legal Environment of Business, 3 hours
LAW 402  Hospitality Law, 3 hours
MGT 300  Introduction to Management, 3 hours
MGT 304  Personnel Management, 3 hours
MKT 301  Principles of Marketing, 3 hours
FIN 305  Financial Management, 3 hours
ND 330  Human Nutritional Needs, 3 hours
ENVH 330  Food Protection and Sanitation, 4 hours
HM 333  Quantity Foods, 3 hours
HM 335  Lodging Management, 3 hours
HM 338  Computer Applications in the Hospitality Industry, 3 hours
HM 339  Cost Control in the Hospitality Industry, 3 hours
HM 430  Food Systems Management, 3 hours
HM 431  Hospitality Marketing Management, 3 hours
HM 433  Strategic Planning in the Hospitality Industry, 3 hours
PRM 440  Travel and Tourism, 3 hours
IET 424  Facilities Management and Maintenance, 3 hours
HM 483, 484  Internship or HM 389  Cooperative Education in HM (6)
CFS 261  Family Dynamics, 3 hours

General electives, 12 hours

Major in Interior Design, B S. Degree

General education, 41 hours

Program requirements, 12 hours  ART 132, ART 142, IET 151, CFS 261

The major requires 63 hours as follows

IDSN 152  Architectural Drafting and Design I, 3 hours
IDSN 153  Introduction to Interior Design, 2 hours
IDSN 251  History of Furniture and Design I, 3 hours
IDSN 252  History of Furniture and Design II, 3 hours
IDSN 253  Space Planning, 3 hours
IDSN 255  Perspective Drawing, 3 hours
IDSN 256  Survey of Interior Materials, 3 hours
IDSN 257  Lighting Design and Color, 3 hours
IDSN 258  Residential Design I, 3 hours
IDSN 310  CADD for Design, 3 hours
IDSN 342  Architectural Construction Processes, 3 hours
IDSN 352  Architectural Detailing & Design II, 3 hours
IDSN 353  Residential Design II, 3 hours
IDSN 357  Contract Design I, 3 hours
IDSN 451  Kitchen and Bath I, 3 hours
IDSN 452  Kitchen and Bath II, 3 hours
IDSN 454  Senior Research, 2 hours
IDSN 455  Senior Project, 2 hours
IDSN 456  Contract Design II, 3 hours
IDSN 457  Problem Solving in Design, 3 hours
IDSN 458  Professional Practice in Interior Design, 3 hours
IDSN 483  Internship, 3 hours

General electives (12 hours), including at least 3 hours at the junior-senior level, are required to complete the program

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

Minor in Child Studies

The minor requires 21 hours, including CFS 261, 360, 363, 467, BK 260, 361, 462
Minor in Family and Consumer Sciences
The minor requires 20 hours, including 12 hours selected from ND 231, CTM 242, CDFR 261, HE 321, IDSN 256 and 8 hours of electives

Minor in Family Studies
The minor requires 21 hours, including CFS 261, 467, 468, FS 362, 364, 464, and FS or CFS electives (3 hours)

Minor in Hospitality Management
The minor requires 21 hours, including HM 130, 333, 335, 430, MGT 300, PRM 440 and a 3 hour junior or senior elective selected from hospitality management, management, or nutrition and dietetics

Minor in Residential Environments
The minor requires 24 hours, including IDSN 153, (Interior Design Track), 253, 256, 355, or 358, IET 152, CTM 242, ART 103 or 136 or 137, and CDFR 261 or HE 270

DEPARTMENT OF INDUSTRIAL AND ENGINEERING TECHNOLOGY

George DeSan, Head

A Ball, J Cook, R Dalley, A Latorre, M McAllister, M Martin, W Medaris, J Pounds, R Temple, J Turner, D Wood

Major in Electronics Engineering Technology, B.S. Degree
General education, 41 hours

Program requirements, 22 hours  MATH 145, 146, 153, 255, and PHYS 130, 131

The major requires 57 hours as follows
CS 150 Computer Programming I, 3 hours
EET 141 Electronic Drafting, 1 hour
EET 142 Electronic Fabrication, 1 hour
EET 231 Circuit Analysis I, 4 hours
EET 232 Circuit Analysis II, 4 hours
EET 241 Digital Integrated Circuits I, 3 hours
EET 311 Solid State Devices, 4 hours
EET 312 Analog Integrated Circuits, 4 hours
EET 331 Digital Integrated Circuits II, 3 hours
EET 332 Microcontrollers, 3 hours
EET 341 Advanced Circuit Analysis, 3 hours
EET 352 Industrial Controls and Machines, 3 hours
EET 431 Microprocessor Fundamentals, 3 hours
EET 432 Microprocessor Applications, 3 hours
EET 441 Communication Systems, 4 hours
EET 452 Control Systems, 4 hours
EET 478 Senior Design Project Proposal, 1 hour
EET 479 Senior Design Project, 3 hours
MET 331 or 441 Quality Control I or Automated Manufacturing, 3 hours

Eight hours of junior-senior level electives are required to complete the program. The upper-level credit requirement may be met by hours waived within the general education component.
To enroll in the junior-senior level electronics courses, students must have completed the following courses with a C or better: EET 231, 232, and 241, and have passed MATH 153.

**Major in Industrial Distribution, B.S. Degree**

General education, 41 hours

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

The major requires 58 hours as follows:
- CS 130 Introduction to Computing, 3 hours
- ID 230 Industrial Distribution, 3 hours
- ID 360 Industrial Distribution Organizations, 3 hours
- ID 370 Product Management and Inventory Control, 3 hours
- ID 479 Industrial Distribution Seminar, 3 hours
- IT 335 Industrial Safety, 3 hours
- IT 370 Electricity, 3 hours
- IT 371 Electronics, 3 hours
- IT 423 Fluid Systems, 3 hours
- IET 420 Polymers Technology, 4 hours
- MET 132 Engineering Graphics, 3 hours
- MET 141 Manufacturing Materials and Processes, 3 hours
- MET 331 Quality Control I, 3 hours
- MKT 301 Principles of Marketing, 3 hours
- MKT 306 Professional Selling, 3 hours
- MKT 405 Marketing Management, 3 hours
- MKT 407 International Marketing, 3 hours
- LAW 230 Legal Environment of Business, 3 hours
- ACCT 251 Accounting Principles I, Financial, 3 hours

General electives (13 hours) at the junior-senior level are required to complete the program.

**Major in Industrial Technology, B.S. Degree**

General education, 41 hours

Program requirements, 6 hours: MATH 144, 170, 8 hours selected from PHYS 130, 131, CHEM 132, BIOL 134

The major consists of a core requirement (24 hours) and an area of concentration (30 hours)

The core requires 24 hours as follows:
- CS 130 Introduction to Computing, 3 hours
- ECON 231 Introductory Economics and Social Issues, 3 hours
- IT 335 Industrial Safety, 3 hours
- IT 495 Industrial Technology Seminar, 3 hours
- MET 132 Engineering Graphics, 3 hours
- MET 141 Manufacturing Materials and Processes, 3 hours
- MET 331 Quality Control I, 3 hours
- MET 231 Engineering CADD, 3 hours
- MET 332, 342, 436, MGT 300, 304, 407, OA 304, PSY 313

**Safety Science** 30 hours from CJ 360, ENVH 312, 457, HSCC 240, IET 421, 424, IT 336, 337, 338, 370 Designed emphasis area (9 hours) in technology, management, environmental health and/or health sciences, or approved program. General electives (6 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 9 hours at the junior-senior level.

**Industrial Management** 30 hours from ENGL 305, IET 421, 434, MET 332, 342, 436, MGT 300, 304, 407, OA 304, PSY 313 To complete the program a total of 15 hours (of which 6 must be junior-senior level) is necessary.
Facilities Management 30 hours from IET 151, 152, 342, 410, 424, 434, IT 370, MGT 300, PRM 250, SM 435 To complete the program a total of 15 hours at the junior-senior level is necessary

Second Major or Approved Program 30 hours To complete the program a total of 15 hours of electives is necessary Thirty-six of the 45 hours must be junior-senior level

Major in Industrial Arts Education, B.S.Ed. Degree

This program is on inactive status and no new students are being enrolled

Major in Manufacturing Engineering Technology, B.S Degree

General education, 41 hours

Program requirements, 25 hours MATH 145, 146, 153, 170, PHYS 130, 131, and CHEM 132

Major requirements, 56 hours as follows

EET 301 DC/AC Electricity, 3 hours
EET 302 Industrial Instrumentation and Control, 3 hours
IT 335 Industrial Safety, 3 hours
IET 420 Polymer Technology, 4 hours
CS 130 Introduction to Computing, 3 hours
MET 132 Engineering Graphics, 3 hours
MET 141 Manufacturing Materials and Processes, 3 hours
MET 231 Engineering CADD, 3 hours
MET 242 Machining Processes, 3 hours
MET 321 Statics and Strength of Materials, 3 hours
MET 331 Quality Control I, 3 hours
MET 332 Quality Control II, 3 hours
MET 341 CNC Machining Technology, 3 hours
MET 342 Manufacturing Analysis and Planning, 3 hours
MET 431 Automated Manufacturing, 3 hours
MET 436 Engineering Economic Analysis, 3 hours
MET 441 Fluid Power and Systems Analysis, 3 hours
MET 478 Senior Design Project Proposal, 1 hour
MET 479 Senior Design Project, 3 hours

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

To enroll in the junior-senior level manufacturing courses, students must have passed MATH 170 and 153 and completed the following courses with a grade of C or better MET 231, 242
Major in Occupational Education for Trade and Industry, B.S.Ed Degree
This program is on inactive status and no new students are being enrolled

Minor in Architectural Drafting
The minor requires 18 hours including IET 151, 152, 342, 352, 410, and 424

Minor in Industrial Distribution
A minor of 18-24 hours may be arranged with the approval of the industrial distribution coordinator to meet the individual needs and interests of nonmajors

Minor in Industrial Technology
A minor of 16-24 hours may be arranged with the approval of the industrial technology coordinator to meet the individual needs and interests of nonmajors

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

DEPARTMENT OF NURSING
Ann Johnson, Acting Head

V Hall, C Hill, J Howe, S Jacques, B Kruse, J Mallory, S Metcalfe, E Simmons-Rowland, J Smith, C Stephens, K Stauffer, S Wilson

Major in Nursing, B.S.N. Degree/Basic Curriculum Option

General education, 41 hours

Program requirements, 22 hours BIOL 291, 292, CHEM 132 or 140, 133, HSCC 260, and PSY 250 or approved substitute

The major requires 53 hours as follows
NSG 340 Basic Nursing Skills, 3 hours
NSG 350 Dimensions of Professional Nursing, 2 hours
NSG 353, 355, 466, 467 Nursing Science I, II, III, IV, 18 hours
NSG 383, 385, 486, 487 Clinical Practicum I, II, III, IV, 15 hours
NSG 460 Nursing Leadership and Management, 3 hours
NSG 470 Nursing Research, 3 hours
NSG 475 Perspectives of the Nursing Profession, 2 hours
ND 336 Normal Nutrition, 2 hours
ND 337 Therapeutic Nutrition, 2 hours
HSCC 370 Introduction to Pharmacology, 3 hours

General electives (12 or more hours), are required to complete the program.
Capstone Curriculum Option (for registered nurses)

General education, 41 hours

Program requirements, 22 hours  BIOL 291, 292, CHEM 132 or 140, 133, HSCC 260, and PSY 250 or approved substitute

The major requires 52-53 hours as follows
NSG 301 Transition to Professional Nursing, 3 hours
NSG 302 Health Promotion in the Community, 3 hours
NSG 384 Practicum in Community Health Nursing, 3 hours
NSG 399 Seminar  Professional Nursing Knowledge and Skills, 2 hours
Credit by exam, 26 hours (in lieu of NSG 340 and 466, HSCC 370, and portions of NSG 353, 355, 383, 385, 467, and 486)
NSG 460 Nursing Leadership and Management, 2 hours
NSG 470 Nursing Research, 3 hours
NSG 475 Perspectives of the Nursing Profession, 2 hours
NSG 480 Independent Study, 1-2 hours
NSG 483 Practicum in Clinical Management, 3 hours
ND 336 Normal Nutrition, 2 hours
ND 337 Therapeutic Nutrition, 2 hours

General electives (12-13 hours) are required to complete the program
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.

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**DEPARTMENT OF ANTHROPOLOGY AND SOCIOLOGY**

*Anne Rogers, Head*

*J Bardo, M Chamberlin, P Coyle, J Hickey, T Hickey, N Mwaniki, E Price*

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

General education, 41 hours

Program requirements, 6 hours  MFL 231-232 or 240

The major requires 36 hours as follows:

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

Electives (6 hours) selected from 327, 349, 351, 365

Elective (3 hours) selected from 361, 431, 441

Elective (3 hours) selected from 380, 440, 466

Electives (6 hours) selected from 417, either 461 or 473, 464, 477

Anthropology electives (6 hours) in junior-senior courses

To complete the program, 45 hours are required, including a second major, minor, or other approved program. Students must take at least 32 hours at the junior-senior level at WCU to satisfy general degree requirements.
Major in Anthropology, B.S. Degree

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

Major in Sociology, B.A. Degree

General education, 41 hours

Program requirements, 6 hours  MFL 231-232 or 240

The major requires 33 hours. Only grades of C (2.0) or higher in required courses will satisfy requirements for the major. The following courses are required:

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

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

To complete the degree, 40 hours are required, including a minor, second major or other approved program. Students must take at least 30 hours at the junior-senior level at WCU to satisfy general university degree requirements.

Major in Sociology, B.S. Degree

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

Minor in Sociology

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

Minor in Anthropology

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

Minor in Social Change

See requirements under Arts and Sciences Interdisciplinary Programs.

Minor in Race, Ethnic, and Gender Relations

See requirements under Arts and Sciences Interdisciplinary Programs.

Interdisciplinary Minor in Women's Studies

See requirements under Arts and Sciences Interdisciplinary Programs.

DEPARTMENT OF ART

Robert Godfrey, Head


Major in Art, B.F.A. Degree

General education, 41 hours
Program requirements, 3 hours PHIL 310

The major requires 66 hours as follows
131 Introductory Drawing, 3 hours
132 Two-Dimensional Design, 3 hours
136, 137 Art History Survey I, II, 6 hours
141 Figure Drawing, 3 hours
142 Three-Dimensional Design, 3 hours
416 Contemporary Art History, 3 hours
474 Portfolio, 3 hours

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

Concentration (24 hours) selected from

Studio 18 hours of courses at the junior-senior level, taken in no more than two areas, selected from painting/drawing, printmaking, book arts, sculpture, ceramics, and photography are required to complete the program.

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

General electives (18 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 art course in the major

Major in Art, B.A Degree

General education, 41 hours

Program requirements, 6 hours MFL 231-232 or 240

The major requires 36 hours as follows
131 Introductory Drawing, 3 hours
132 Two-Dimensional Design, 3 hours
136, 137 Art History Survey I, II, 6 hours
PHIL 310 Philosophy of Art, 3 hours

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

To complete the program, a total of 45 hours is required, including at least 18 hours of general electives and a second major, minor, or other approved program. The 45-46 hours must be selected to include at least 24 hours at the junior-senior level. To continue in the program, students must earn a grade of C or better in each art course in the major

Major in Art, B.S.Ed. Degree

General education, 41 hours

The major requires 58 hours as follows
131 Introductory Drawing, 3 hours
132 Two-Dimensional Design, 3 hours
136, 137 Art History Survey I, II, 6 hours
142 Three-Dimensional Design, 3 hours
263 Introduction to Art Education, 1 hour
365 Art Methods for the Elementary School, 3 hours
367 History and Philosophy of Art Education, 3 hours
416 Contemporary Art, 3 hours
463 Art Methods for the Middle and High School, 3 hours
3 hours art history electives at the junior-senior level
18 hours art studio 233, 234, 241, 251, 270, 372
9 hours art studio electives selected as 300- or 400-level courses in the same studio discipline

The professional education sequence (25 hours) for secondary and special subject teaching, exclusive of the methods course, and general electives (4 hours) are required to complete the program. To continue in the program, students must earn a grade of C (2.0) or better in each art course in the major.

Minor in Art
The minor requires 21 hours, including ART 131, 132, 136, 137, and 9 hours of art electives selected with the advice of the head of the art department.

ARTS AND SCIENCES INTERDISCIPLINARY PROGRAMS
J C Alexander Jr, Acting Dean

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

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

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

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

Minor in Social Change
The minor requires 24 hours, including SOC 231, 304, and 18 hours of core electives from SOC 432, 434, 448, 454, ANTH 349, HIST 435, 436, ECON 401, 406, GEOG 460, PSC 302, 316, 436, and SOCW 373

Minor in Race, Ethnic, and Gender Relations
The minor requires 24 hours, including SOC 231, 314, 326, 414, and 12 hours of core electives from SOC 423, 448, 454, ANTH 417, 473, HIST 442, 445, 446, 451, 463, PSY 333, and SOCW 402
Minor in Women’s Studies
The minor requires 18 hours, including ASI 230, ENGL 477, HIST 451, SOC 326, and electives from ANTH 419, NSG 360, PSY 333, SOC 418, SOC 420, PSY 351, CMHC 414, and appropriate topics from ANTH 481, PSY 480, SOC 480, and CMPR 493

DEPARTMENT OF BIOLOGY
Clarence Paul Wright, Head

R Bruce, J Costa, F Coyle, P Galbreath, F Hinson, K Johnson, R Lumb, H Mainwaring, D Pattillo, S Rundle, T Rundle, J Wallace, J West

Major in Biology, B.S Degree
General education, 41 hours

Program requirements with all emphases, 4 hours CHEM 140 Additional requirements with the preprofessional emphasis, 14 hours, including MFL 231-232 or 240, MATH 130 and MATH 140 or equivalent, with a horticulture emphasis, 3 hours in MATH 130, and with a business emphasis, 6 hours in MATH 130, 170

The major requires 55-65 hours as follows
140, 141 Principles of Biology I, II, 8 hours
304 General Ecology, 3 hours
305 Genetics and Evolution, 3 hours
333 Cell and Molecular Biology, 3 hours
496 Senior Seminar, 1 hour

Emphasis area (28-38 hours) selected from one of the following

Horticulture, 38 hours 8 hours selected from BIOL 413, 414, 415, 451, 455, and up to 30 hours in horticulture courses accepted in transfer with the approval of the department head
NOTE Horticulture courses are not taught at Western Carolina University

Preprofessional, 30 hours CHEM 241, 242, 272, PHYS 130, 131, and 14 hours of junior-senior biology electives

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

Business, 36 hours FIN 305, ACCT 161, ECON 231, 232, MGT 300, MKT 301, PHYS 130, 131, and 10 hours of junior-senior biology electives

General electives (19-27 hours), are required to complete the program At least 14 hours must be at the junior-senior level Recommended electives include CIS 251 and BIOL 389 with the horticulture emphasis, GEOL 305 with the environmental health emphasis, and CIS 251 with the business emphasis

Major in Biology, B.S Ed Degree
General education, 41 hours

Program requirements, 8 hours MATH 130, 140

The major requires 44 hours as follows
140, 141 Principles of Biology I, II, 8 hours
304 General Ecology, 3 hours
305 Genetics and Evolution, 3 hours
333 Cell and Molecular Biology, 3 hours
496 Senior Seminar, 1 hour
CHEM 132, 133 General Chemistry, 8 hours
PHYS 130, 131 Introductory Physics, 8 hours
Biology electives (10 hours) at the junior-senior level
The professional education sequence (28 hours) for secondary and special subject teaching and 7 hours of general electives are required to complete the program.

Minor in Biology

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

DEPARTMENT OF CHEMISTRY AND PHYSICS

Paul Brandt, Head


Major in Chemistry, B.A. Degree

General education, 41 hours

Program requirements, 22 hours: MATH 130 or 146 and 140, PHYS 130-131 or 230-231, and MFL 231-232 or 240.

The major requires 34 hours as follows:

140 Advanced General Chemistry, 4 hours
241, 242 Organic Chemistry I, II, 6 hours
232 Quantitative Analysis, 4 hours
272 Organic Chemistry Lab, 2 hours
321 Inorganic Chemistry, 3 hours
52 Physical Chemistry I, 3 hours
570 Instrumental Analysis I, 3 hours
571 Chemical Dynamics, 2 hours
572 Chemical Synthesis, 2 hours
632 Instrumental Analysis II, 3 hours
95 Seminar, 2 hours

A minor, second major, or other approved program and general electives (31 hours), including at least 12 hours at the junior-senior level, are required to complete the program. Premedical and pre-dental students may complete the program by taking 6 hours of general electives and 24 hours selected from BIOL 131, 132, 134, 242, 291, 292, 311, 361, 374, 417, 419, 421, and 478.

Major in Chemistry, B.S. Degree

General education, 41 hours

Core

The major requires 24 hours in Chemistry as follows:

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

Traditional Chemistry Concentration

The concentration requires 41 hours as follows:

CHEM 321 Inorganic Chemistry, 3 hours
CHEM 372 Chemical Synthesis, 2 hours
CHEM 432 Instrumental Analysis II, 3 hours
CHEM 453 Physical Chemistry II, 3 hours
CHEM 495 Seminar, 2 hours
Chemistry electives (6 hours) at the junior-senior level
PHYS 230, 231 General Physics I, II, 8 hours
MATH 145 Trigonometry, 3 hours
MATH 146 Algebra and Analytical Geometry, 3 hours
MATH 153 Calculus I, 4 hours
MATH 255 Calculus II, 4 hours

General electives (22 hours), including at least 5 hours at the junior-senior level, are required to complete the program.

**Industrial Chemistry Concentration**
The concentration requires 51 hours as follows
CHEM 321 Inorganic Chemistry, 3 hours
CHEM 372 Chemical Synthesis, 2 hours
CHEM 432 Instrumental Analysis II, 3 hours
CHEM 495 Seminar, 2 hours
PHYS 130-131 or 230-231 Introductory or General Physics, 8 hours
MATH 140 Introductory Calculus, 5 hours
ACCT 161 Accounting for Non-Business Majors, 3 hours
CMTD 315 Organizational Communication, 3 hours
ECON 130 Survey of Economics, 3 hours
ENGL 305 Technical Writing, 3 hours
MGT 300 Introduction to Management, 3 hours
MGT 302 Labor-Management Relations, 3 hours
MGT 304 Personnel Management, 3 hours
MKT 301 Principles of Marketing, 3 hours
Chemistry electives (4 hours) at the junior-senior level

General electives (12 hours) are required to complete the program.

**Environmental Chemistry Concentration**
The concentration requires 51 hours as follows
CHEM 330 Aquatic Chemistry (lecture only), 2 hours
CHEM 361 Biochemistry, 3 hours
CHEM 461 Environmental Chemistry, 4 hours
CHEM 495 Seminar in Chemistry, 2 hours
PHYS 130-131 or 230-231 Introductory or General Physics, 8 hours
BIOL 140, 141 Principles of Biology I, II, 8 hours
GEOL 150 Introduction to Physical Geology, 4 hours
MATH 140 Introductory Calculus, 5 hours
MATH 270 Statistical Methods I, 3 hours
Electives (12 hours) at the junior-senior level chosen from a minimum of two of the following areas: CHEM, BIOL, GEOL, ECON, ENVH, and NRM

General electives (12 hours), including at least 1 hour at the junior-senior level, are required to complete the program.

**Major in Chemistry, B.S. Degree-ACS Approved**
Program requirements and major requirements are the same as for the Traditional Chemistry Concentration bachelor of science degree. In addition, MATH 256, 4 hours of CHEM 380 and CHEM 421 are required. General electives total 8 hours.
### Physics Major, BS Degree

- **General education**, 41 hours
- **Program requirements**, 8 hours: MATH 153 and CHEM 140

The major requires 51 hours as follows:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>230-231</td>
<td>General Physics</td>
<td>8</td>
</tr>
<tr>
<td>302</td>
<td>Electronics</td>
<td>4</td>
</tr>
<tr>
<td>310</td>
<td>Modern Physics</td>
<td>3</td>
</tr>
<tr>
<td>360</td>
<td>Laboratory Physics</td>
<td>2</td>
</tr>
<tr>
<td>410</td>
<td>Classical Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>440</td>
<td>Electricity and Magnetism</td>
<td>3</td>
</tr>
<tr>
<td>450</td>
<td>Quantum Mechanics</td>
<td>4</td>
</tr>
<tr>
<td>495</td>
<td>Seminar in Physics</td>
<td>1</td>
</tr>
</tbody>
</table>

Physics electives (12 hours) at the junior-senior level exclusive of experiential courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 255</td>
<td>Calculus II</td>
<td>3</td>
</tr>
<tr>
<td>MATH 256</td>
<td>Calculus III</td>
<td>3</td>
</tr>
<tr>
<td>MATH 320</td>
<td>Ordinary Differential Equations</td>
<td>3</td>
</tr>
</tbody>
</table>

General electives (28 hours), including at least 18 hours at the junior-senior level, are required to complete the program. Students are urged to plan a program leading to competency in a second area.

### Chemistry Minor

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.

### Physics Minor

The minor requires 20 hours, including PHYS 130-131 or 230-231, and 12 hours of junior-senior electives.

### Communication and Theatre Arts

**DEPARTMENT OF COMMUNICATION AND THEATRE ARTS**

Kathleen S Wright, Head


### Communication Major, B S. Degree

- **General education**, 41 hours
- **Program requirements**, 9 hours: CIS 293 Beg Micro Applications or CS 130, 3 credit statistics course, OA 304 or ENGL 401

The major requires 46 hours including 28 required hours in communication core courses (CMCR) and a 18-hour concentration.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMCR 140</td>
<td>Introduction to Communication Media</td>
<td>3</td>
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<tr>
<td>CMCR 150</td>
<td>Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMCR 250</td>
<td>Public Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMCR 301</td>
<td>Writing for Communication Media</td>
<td>3</td>
</tr>
<tr>
<td>CMCR 350</td>
<td>Communication Theory</td>
<td>3</td>
</tr>
<tr>
<td>CMCR 351</td>
<td>Communication Research</td>
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<tr>
<td>CMCR 389</td>
<td>Cooperative Education in Communication</td>
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<td>CMCR 483</td>
<td>Internship in Communication</td>
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<tr>
<td>CMCR 401</td>
<td>Editing for Communication Media</td>
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<tr>
<td>CMCR 465</td>
<td>Communication Ethics and Responsibilities</td>
<td>3</td>
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<tr>
<td>CMCR 496</td>
<td>Seminar in Professional Development</td>
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</table>
Concentrations, at least 18 hours selected from

**Electronic Media (CMEM)**  CMEM 352, 354, 355, and 356 required, 6 hours selected from CMEM 351, 450, 451, 454, 455, 456, 457, 458, 459, and 493

**Print Media (CMPM)**  CMPM 303, 304, and 404 required, 9 hours from the following CMPM 302, 305, 402, 403, 493, CMTD 315, and CMPR 360, or 3 hours of adviser-approved courses

**Public Relations (CMPR)**  CMPR 360, 365, 460, CMPM 303, 404 required, 3 hours selected from CMPR 493, CMTD 315, CMPM 304, 403, or 3 hours of adviser-approved courses

**Communication Training and Development (CMTD)**  CMTD 315, 316, 412, 413 required, 6 hours selected from CMHC 314, 411, 414, 415, CMTD 493

To complete the program, a total of 32 hours is required, including at least 12 hours of general electives and a minor, second major, or other approved programs  Students may not minor in another communication concentration or the minor in journalism offered in the Department of English

**Major in Speech and Theatre Arts, B A Degree**

Speech Concentration deleted—See Communication B S

**General Education, 41 hours**

Program requirements, 6 hours  MFL 231-232 or 240

The Theatre concentration requires 40 hours as follows

CMTA 130 Makeup, 1 hour
CMTA 131 Introduction to Theatre, 3 hours
CMTA 140 Acting I, 3 hours
CMTA 231 Stagecraft I, 3 hours
CMTA 300 Dramatic Literature and Criticism I, 3 hours
CMTA 301 Dramatic Literature and Criticism II, 3 hours
CMTA 331 Stagecraft II, 3 hours
CMTA 340 Acting II, 3 hours
CMTA 350 Directing I, 3 hours
CMTA 400 History of the Theatre I, 3 hours
CMTA 401 History of the Theatre II, 3 hours
CMTA 496 Seminar in Professional Development, 1 hour
8 hours of CMTA junior-senior electives

To complete the program, a total of 41 hours is required, including a minor, second major, or approved program, and at least 12 hours of general electives

**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 general education oral communication course, a history course, ART 104 or MUS 101 with a grade of "C" or better, and completion of general education science (4 credits) and general education mathematics, and (4) resume documenting involvement and/or training in theatre  Applicants must complete a letter of application and present an audition piece/design portfolio

Complete admissions procedures and retention policies are outlined in the PROCEDURAL GUIDE FOR THE BFA IN THEATRE located in the Department of Communication and Theatre Arts

**General education, 41 hours**

The major requires 64 hours including 34 required hours in theatre core courses, 15 hours of interdisciplinary core, and a 15-hour concentration
Required courses, 34 hours
CMTA 130 Makeup, 1 hour
CMTA 131 Introduction to Theatre, 3 hours
CMTA 140 Acting I, 3 hours
CMTA 231 Stagecraft I, 3 hours
CMTA 300 Dramatic Literature and Criticism I, 3 hours
CMTA 301 Dramatic Literature and Criticism II, 3 hours
CMTA 331 Stagecraft II, 3 hours
CMTA 340 Acting II, 3 hours
CMTA 350 Directing I, 3 hours
CMTA 400 History of the Theatre I, 3 hours
CMTA 401 History of the Theatre II, 3 hours
CMTA 496 Seminar in Professional Development, 1 hour
CMTA 499 BFA Thesis, 2 hours

An interdisciplinary core of 15 hours 12 hours from ART 136, 137, HIST 221, 222, and
3 hours ENGL 333 or 431

A concentration of 15 hours selected from one area

Acting 9 hours from CMTA 341, 345, 346, 351, 441, and 6 hours from ANTH 260, PSY 250,
PHIL 310, 312

Costume Design CMTA 332, 337, 437, CTM 340, and 3 hours from CTM 242, 342, 343,
344

Lighting Design CMTA 332, 335, 435, and 6 hours from ART 131, IET 151, HEAL 250,
IDSN 153

Scenic Design CMTA 332, 333, 433, and 6 hours from ART 131, IET 151, HEAL 250, IDSN
153

Technical Production CMTA 332, 6 hours from CMTA 330, 333, 335, 337, and 6 hours from
ART 131, IET 151, HEAL 250

To complete the program, a total of 23 hours of general electives is required A student will
have only one concentration in the BFA degree

Minor in Communication

The minor requires 24 hours 6 hours of program requirements (CIS 293 Beg Micro
Applications or CS 130, 3 credit statistics course) and 18 hours of core courses CMCR 140,
150, 250, 301, 350, and 401

Minor in Theatre

The minor requires 24 hours CMTA 131, 140, 231, 300 or 301, 331, 340, 350, 400 or 401

DEPARTMENT OF ENGLISH
James E Byer, Head
M Adams, E Addison, J Addison, A Boone, R Boyer, K Cupriano, M Cody, R Eberly, H
Farwell, B Gastle, E Godfrey, M Holmes, M Honegger, L Kinnear, M Kiser, A
Lewandowski, J Meigs, A Miller Claxton, G Miller, K Nicholas, J Nicholl, T Nienhus, M
Norton, B Railsback, J Ratliff, W Robbins, A Rose, S Saunders, M Schwartz, D Smith,
M Warner, S Whitford
Major in English, B.A. Degree

Journalism Concentration

General education, 41 hours

Program requirements, 9 hours minimum MFL 231-232 or 240 and CIS 293

The major requires 39 hours as follows
ENGL 251, 252, 261, 262, 307, 389 or 483, 497, CMCR 140, 301, 465, CMPM 302, and 6 hours selected from ENGL 306, 312, CMPM 303, 304, 305, or 493

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 junior-senior level at WCU in order to satisfy general university degree requirements

Major in English, B.A. Degree

Literature Concentration

General education, 41 hours

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

The major requires 39 hours as follows
ENGL 251, 252, 261 or 262, 330, 498, 9 hours selected from ENGL 420, 431, 440, 441, 451, 3 hours selected from ENGL 312, 411, 412, 415, 3 hours selected from ENGL 365, 367, 464, 470, 477, 3 hours selected from ENGL 370, 390, 421, 455, 471, 472, 473, 475, and 6 hours of junior-senior English courses

To complete the program, a total of 42 hours is required, including a minor, second major, or other approved program and general electives. Students must take at least 32 hours at the junior-senior level at WCU in order to satisfy general university degree requirements

Major in English, B.A. Degree

Professional Writing Concentration

General education, 41 hours

Program requirements, 9 hours minimum MFL 231-232 or 240 and CIS 293

The major requires 39 hours as follows
ENGL 251, 252, 261 or 262, 307, 330, 389 or 483, 497, 12 hours selected from ENGL 305, 306, 308, 309, 310, 312, 401, 405, 493, and 6 hours selected from junior-senior English literature courses

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 junior-senior level at WCU in order to satisfy general university degree requirements

Major in English, B.S.Ed Degree

General education, 41 hours

Program requirements, 9 hours MFL 231-232 or 240 and CMCR 250

The major requires 39 hours as follows
251 Survey of English Literature I, 3 hours
252 Survey of English Literature II, 3 hours
311 History of the English Language, 3 hours
312 Grammar for Writing, 3 hours
330 Introduction to Literary Interpretation, 3 hours
361 Survey of American Literature I, 3 hours
362 Survey of American Literature II, 3 hours
414 Fundamentals of Teaching Composition, 3 hours
478 Film as Literature, 3 hours
496 Seminar in Comparative Literature, 3 hours
EDEL 467 Adolescent Literature, 3 hours

Electives (6 hours) selected from 420, 431, 440, 441, 451, 470

The professional education sequence (28 hours) for secondary and special subject teaching and general electives (11 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.

The Department of English offers the Minor in English, which is available to all majors except English.

Minor in American Studies
See requirements under Arts and Sciences Interdisciplinary Programs

Minor in Communications
See the listing in the Department of Communication and Theatre Arts

Minor in Creative Writing
The minor requires 18 hours, including 12 hours selected from the following courses: ENGL 303, 308, 309, 310, 405, 493, 497, and 6 hours of literature courses, exclusive of those approved for general education credit. (Not open to those pursuing the B.A. in English with a concentration in Professional Writing.)

Minor in English
The minor requires 18 hours of English courses, exclusive of ENGL 300 and those approved for general education credit.

The following minors, also administered by the Department of English, are available to all majors, with the exception of some concentrations in English or Communications, as listed below:

Minor in Film Studies
The minor requires 18 hours, including ENGL 278 and ENGL 378, and 12 hours selected from the following courses: ENGL 310, 467, 468, 478, and CMEM 351, 451. A course carrying repeat credit may be applied only once to the minor.

Minor in Journalism
The minor requires 18 hours, including 12 hours selected from the following courses: CMCR 140, 301, 465, CMPM 302, 303, 304, 305, 493, and 6 hours from the following courses: ENGL 303, 306, 307, 312, 389, 483, 497. (Not open to those pursuing the B.S. in Communications—Print Media or the B.A. in English with a concentration in Journalism.)

Minor in Literature
The minor requires 18 hours of literature courses, exclusive of those approved for general education credit. (Not open to those pursuing the B.A. in English with a concentration in Literature.)

Minor in Professional Writing
The minor requires 18 hours, including 12 hours selected from the following courses: ENGL 303, 305, 306, 307, 308, 309, 310, 312, 389, 401, 405, 483, 493, 497, and 6 hours from any junior-senior level English course, exclusive of ENGL 300 and those approved for general education credit. (Not open to those pursuing the B.A. in English with a concentration in Professional Writing.)
GEOSCIENCES AND NATURAL RESOURCES MANAGEMENT
Lawrence G. Kolenbrander, Head

Major in Geography, B.S. Degree

General education, 41 hours

Program requirements, 7 hours GEOL 150, MATH 170

The major requires 50 hours as follows
150 Environmental Geography, 3 hours
320 Map Interpretation, 3 hours
322 Cartography, 4 hours
324 Introduction to Remote Sensing, 4 hours
326 Research Methods in Geography, 3 hours
350 Economic Geography, 3 hours
440 Topics in Regional Geography, 3 hours

Geography electives (27 hours) at the junior-senior level. It is recommended that students develop a specialization within the major. An emphasis may be designed in consultation with the adviser, or a student may select one of the following:

Physical Geography 300, 302, 305, 400, 402
International Studies 402, 440, and 444

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

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

Major in Geography—Planning, B.S. Degree

General education, 41 hours

Program requirements, 7 hours GEOL 150, MATH 170

The major requires 49 hours as follows
150 Environmental Geography, 3 hours
302 Geomorphology, 4 hours
305 Soils and Hydrology, 4 hours
320 Map Interpretation, 3 hours
322 Cartography, 4 hours
324 Introduction to Remote Sensing, 4 hours
326 Research Methods in Geography, 3 hours
350 Economic Geography, 3 hours
402 Conservation of Natural Resources, 3 hours
460 Urban and Regional Land Use Planning, 3 hours
462 Introduction to Urban Geography, 3 hours
464 Industrial Location and Community Development, 3 hours

Geography electives, 9 hours

General electives (31 hours) are required to complete the program. A minor in economics, geology, political science, sociology, or other approved discipline may be selected or the student may select from a variety of courses to complete degree requirements. At least 32 hours of the courses taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.

Major in Geology, B.A. Degree

General education, 41 hours

Program requirements, 9 hours MFL 231-232 or 240, MATH 130 or 146
The mayor requires 48 hours as follows
150 Introduction to Physical Geology, 4 hours
252 Mineralogy, 4 hours
371 Structural Geology, 4 hours
495 Senior Seminar in Geology, 3 hours
CHEM 132 and 140, or 140 and one additional chemistry course numbered 200 or above, 7-8 hours
Geology, mathematics, or science electives at the junior-senior level, 25-26 hours

General electives (22 hours) are required to complete the program

This program is designed for the liberal arts student who may seek a career in environmental science, planning, or a related area. Students who expect to become professional geologists or who expect to take a graduate degree in geology should complete the requirements for the bachelor of science degree program in geology.

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.

Major in Geology, B.S. Degree

General education, 41 hours

Program requirements, 17-21 hours PHYS 130-131 or 230-231, either MATH 145, 146, 153 and 255 or MATH 145, 146, and 170

The major requires 53 hours as follows
CHEM 132 and 140, or 140 and one additional chemistry course numbered 200 or above, 7-8 hours
150 Introduction to Physical Geology, 4 hours
One freshman-level Geology elective, 3 hours
252 Mineralogy, 4 hours
352 Igneous and Metamorphic Petrology, 4 hours
371 Structural Geology, 4 hours
420 Sedimentation, 3 hours
421 Stratigraphy, 3 hours
483 Field Course, 4-6 hours, taken at another accredited institution with approval of the department head
495 Senior Seminar in Geology, 3 hours
Geology, math, or science electives at the junior-senior level, 11-14 hours

General electives (13-17 hours) are required to complete the program

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

Major in Natural Resources Management, B.S. Degree

General education, 41 hours

Program requirements, 13 hours CHEM 132, MATH 130, 170, MGT 300

The major requires 62 hours, including 41 hours in core courses and a 21-hour concentration
BIOL 140 Principles of Biology I, 4 hours
BIOL 141 Principles of Biology II, 4 hours
BIOL 304 General Ecology, 3 hours
GEOG 150 Environmental Geography, 3 hours
GEOG 305 Soils and Hydrology, 4 hours
GEOG 324 Introduction to Remote Sensing, 4 hours
GEOG 402 Conservation of Natural Resources, 3 hours
NRM 150 Introduction to Natural Resources Management, 1 hour
NRM 340 Natural Resources Measurements, 4 hours
NRM 342 Computer Applications in NRM, 1 hour
NRM 344 Introduction to Geographic Information Systems, 3 hours
NRM 440 Integrated Resource Management, 4 hours
NRM 442 Natural Resource Policy and Administration, 3 hours

Concentration, 21 hours, selected from
*Forest Resources* BIOL 254, ECON 310, NRM 351, 352, 451, 452

*Water Resources* BIOL 413, 414, 435, 476, CHEM 133, 330, NRM 460

*Land Use Planning* GEOG 320, 350, 460, 462, 464, and 6 hours at the junior-senior level in economics, management, and geography

General electives (12 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

**Minor in Earth Sciences**
The minor requires 18 hours, including GEOL 150, one other freshman-level geology course, GEOL 252, GEOG 150, 300

**Minor in Geology**
The minor requires 20 hours, including GEOL 150, one other freshman-level geology course, 252, and 9 hours of electives above the freshman level

**Minor in Geography**
The minor requires 21 hours, including GEOG 150, 350, and 15 hours of electives above the freshmen level

**Minor in Geography-Planning**
The minor requires 23 hours, including GEOG 150, 320, 350, 460, 462, 464, and 5 hours of junior-senior electives

**DEPARTMENT OF HISTORY**
*James A Lewis, Head*

W Anderson, T Blethen, P Carmichael, D Dorondo, G Graham, C Lovin, S Philyaw, G Schwartz, B Walton, C Wood

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

General education, 41 hours

Program requirements, 6 hours MFL 231-232 or 240

The major requires 39 hours chosen from one of the following concentrations

**United States History** HIST 221-222, 297, 498, 18 hours of upper-division U.S. history, 9 of which must be selected from HIST 431, 432, 433, 434, 435, 436, 9 hours of upper-division European and non-Western history courses, including a minimum of 3 hours of each

**European History** HIST 231-232, 297, 498, 18 hours of upper-division European history, 9 of which must be selected from HIST 411, 412, 413, 414, 416, 9 hours of upper-division U.S. and non-Western history, including a minimum of 3 hours of each

To complete the program, a total of 42 hours is required, including a minor, second major, or other approved program and general electives. At least 32 hours of the courses taken at WCU must be at the junior-senior level to meet one of the general university degree requirements
Major in History, B.S Degree

General education, 41 hours

Program requirements, 3 hours  MATH 170

The major requires 39 hours chosen from one of the following concentrations

United States History  HIST 221-222, 297, 498, 18 hours of upper-division U.S. history, 9 of which must be selected from HIST 431, 432, 433, 434, 435, 436, 9 hours of upper-division European and non-Western history courses, including a minimum of 3 hours of each

European History  HIST 231-232, 297, 498 18 hours of upper-division European history, 9 of which must be selected from HIST 411, 412, 413, 414, 416, 9 hours of upper-division U.S. and non-Western history, including a minimum of 3 hours of each

To complete the program, a total of 45 hours is required, including a minor, second major, or other approved program and general electives. At least 32 hours of the courses taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.

Minor in History

The minor requires 21 hours, including 221-222 or 231-232 and 15 hours of junior-senior history electives.

Interdisciplinary Minor in Appalachian Studies

See requirements under Arts and Sciences Interdisciplinary Programs.

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

Harold Williford, Head


Major in Computer Science, B.S. Degree

General education, 41 hours

Program requirements, 12 hours 8 hours selected from one of the following groups: BIOL 140, 141 or CHEM 140, 232 or GEOL 150, 155 or PHYS 130, 131 or PHYS 230, 231, 4 hours selected from the above groups but in a different natural science than the first 8 hours

The major requires 61 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:

150 Problem Solving and Programming I, 4 hours
151 Problem Solving and Programming II, 4 hours
250 Introduction to Computer Systems, 3 hours
310 Discrete Structures, 3 hours
350 Introduction to Computer Organization, 3 hours
351 Data Structures, 3 hours
352 Organization of Programming Languages, 3 hours
360 Theory of Computation, 3 hours
363 Software Development, 3 hours
370 Operating Systems, 3 hours
465 Computer Networks, 3 hours
495 Capstone, 3 hours
MATH 153 Calculus I and MATH 255 Calculus II, 8 hours
MATH 254 Matrix Theory, 3 hours
MATH 270 Statistical Methods I or MATH 370 Probability and Statistics I, 3 hours
9 additional hours of courses selected from CS 301, 303, 304, 320, 340, 361, 389, 393, 441, 443, 451, 452, 453, 460, 462, 463, 464, 480, and 493 (including at least 6 hours from courses at the 400 level)

14 additional hours of general electives completes the program of study

Major in Mathematics, B.S Degree

General education, 41 hours

Program requirements, 15 hours  CS 150, PHYS 230, 231, One of BIOL 140, BIOL 141, CHEM 132, CHEM 140, GEOL 150, GEOL 155

The major requires 37 hours in core courses as follows
153, 255, 256 Calculus I, II, III, 12 hours
250 Introduction to Logic and Proof, 2 hours
262 Introduction to Linear Algebra, 3 hours
310 Discrete Structures, 3 hours
320 Ordinary Differential Equations, 3 hours
361 Introduction to Abstract Algebra, 3 hours
370 Statistical Theory I, 3 hours
422 Advanced Calculus I, 3 hours
479 Capstone Seminar, 2 hours
Mathematics elective (3 hours) selected from 423, 461, 462, 470

To complete the program, one of the following is required
(1) 18 additional hours selected from MATH 331, 350, 375, 393, 411, 412, 423, 441, 461, 462, 470, and 17 hours of general electives, including a minimum of 13 hours at the junior-senior level, or

(2) a total of 35 hours, including a second major, minor, or other approved program, and at least 12 hours of general electives  Of the total hours, 31 must be at the junior-senior level  In lieu of a second major or minor, students may choose to complete the professional education sequence and approved electives leading to teaching certification

Major in Mathematics, B.S.Ed. Degree

General education, 41 hours

Program requirements, 11 hours  CS 130 or CS 150, and PHYS 230-231

The major requires 41 hours as follows
153, 255, 256 Calculus I, II, III, 12 hours
250 Introduction to Logic and Proof, 2 hours
262 Introduction to Linear Algebra, 3 hours
270 Statistical Methods I, 3 hours
300 Problem Solving, 2 hours
310 Discrete Structures, 3 hours
361 Introduction to Abstract Algebra, 3 hours
411 Foundations in Geometry, 3 hours
422 Advanced Calculus I, 3 hours
479 Capstone Seminar, 2 hours
Math electives (5 hours) selected from 370, 386, 412, 423, 461, 462, 470

The professional education sequence (28 hours) for secondary and special subject teaching and 7 hours of general electives (5 hours at the junior-senior level) are required to complete the program
Minor in Computer Science
The minor requires 18 hours, including CS 150, 151, 250, and 9 hours of other CS courses numbered above 250.

Minor in Mathematics
The minor requires 20 hours, including MATH 153, 255, and 12 hours selected from any mathematics courses numbered 250 or higher, CS 340.

Computer Education Endorsement
An endorsement in computer education (18 hours) can be obtained if the individual holds a license in another teaching area. A listing of the course requirements for the endorsement is available in the office of the dean of the College of Education and Allied Professions.

DEPARTMENT OF MODERN FOREIGN LANGUAGES
Terry L. Ballman, Head

Majors in French, German, and Spanish, B.A. Degree
General education, 41 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 foreign language.

Each major requires 33 hours as follows:
- 231-232 or 240 Intermediate French, German, or Spanish I and II, or Intensive French, German, or Spanish II, 6 hours
- 301 French, German, or Spanish Composition, 3 hours
- 302 Conversational French, German, or Spanish, 3 hours
- 310 Introduction to French, German, or Spanish Prose and Poetry, 3 hours
- 321, 322 French or German, I or II, Spanish Civilization, or Latin American Civilization, 6 hours
- 331, 332 Survey of French or German Literature I, II, 6 hours, or 330 Masterpieces of Spanish Peninsular Literature and 333 Masterpieces of Spanish-American Literature, 6 hours
- 351 French, German, or Spanish Phonetics and General Linguistics, 3 hours
- Literature elective in the major (3 hours) selected from senior courses

To complete the program, a total of 54 hours is required, including a minimum of 18 hours of general electives, appropriate credits at the junior-senior level, and a minor, second major, or other approved program.

Majors in French, German, and Spanish, B.S.Ed. Degree
General education, 41 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 foreign language.

Each major requires 33 hours as follows:
- 231-232 or 240 Intermediate French, German, or Spanish I and II, or Intensive French, German, or Spanish II, 6 hours
- 301 French, German, or Spanish Composition, 3 hours
- 302 Conversational French, German, or Spanish, 3 hours
- 321, 322 French or German, I or II, Spanish Civilization, or Latin American Civilization, 6 hours
- 351 French, German, or Spanish Phonetics and General Linguistics, 3 hours
- 451 Advanced Grammar, 3 hours
- 452 Advanced Conversation, 3 hours
Literature electives (6 hours) selected from FREN 310, 331, 332, GERM 310, 331, 332, SPAN 310, 330, 333 in the major

The professional education sequence (28 hours) for special subject teaching and general electives (23 hours), including at least 3 hours at the junior-senior level, and EDEL 312 are required to complete the program.

**Minors in French, German, and Spanish**

Each minor requires 21 hours, including 231-232 or 240, 301, 302, and 9 hours of junior-senior electives. 303 does not count toward the minor.

**Native Speaker Policy**

Native speakers are encouraged to enroll in any of the following courses: FREN/GER/SPAN 321, 322, 330, 331, 332, 333, 351, 393, 451, 481, and all 400-level literature courses. Other courses are normally not open to native speakers except where required in degree programs. The department head may make exceptions on an individual basis.

**DEPARTMENT OF MUSIC**

Robert Kehrberg, Head


To major in music, students must pass an applied music audition in the performance principal area and take a music aptitude examination.

All music majors must demonstrate the required level of piano proficiency for graduation in their chosen curriculum or elect piano every semester until the required proficiency is attained. Each student must prepare a junior qualifying examination or recital in the principal applied area for approval by the appropriate faculty committee before a degree will be granted. All students on the B.S. Ed. and B.A. Applied Emphasis degree plans must prepare a senior performance examination or recital in the principal applied area for approval by the appropriate faculty committee.

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

General education, 41 hours

Program requirements, 6 hours MFL 231-232 or 240

The major requires 40 hours as follows:

- 152, 153 Aural Skills Laboratory I, II, 2 hours
- 178 Beginning, Theoretical and Analytical Skills, 4 hours
- 252 Aural Skills Lab III, 1 hour
- 277, 278 Theory and Literature I, II, 6 hours
- 350, 351 Music History I, II, 6 hours
- 428 or 429 Choral or Instrumental Conducting, 3 hours

Principal performing medium, a minimum of 8 hours and completion of the junior qualifying examination.

Applied music electives excluding ensembles (piano required unless it is the principal), 4 hours

Major ensemble, 6 hours (winds and percussion, minimum 1 hour marching band)

To complete the program, 41 hours, including a minimum of 24 hours at the junior-senior level, are required. One of the following options or concentrations must be completed:

- **Concentration**: Applied Emphasis, must include 420 or 425 (3 hours), 305 (1 hour), 405- (1 hour), and junior-senior level applied principal (8 hours), 28 elective hours to include 12 hours exclusive of music courses.

- **Music Industry Option**: ACCT 161, MKT 301, CIS 251, BA 133, LAW 230, MGT 300, MUS 378, 9 hours in MUS 489, 11 hours electives

Minor, second major, or approved program, 41 hours

Cooperative education may not exceed 6 hours.
Majors in General and Instrumental Music, B S.Ed. Degree

General education, 41 hours

The major requires 58 hours, including a 33-hour core and 25 hours in general or instrumental music as follows:

- **4gp152, 153 Aural Skills Laboratory I, II, 2 hours**
- **168 String Class I, 1 hour**
- **169 Classroom Guitar Technique, 1 hour**
- **178 Beginning, Theoretical and Analytical Skills, 4 hours**
- **252 Aural Skills Lab III, 1 hour**
- **277, 278 Theory and Literature I, II, 6 hours**
- **283 MIDI/Synthesis Class, 1 hour**
- **350, 351 Music History I, II, 6 hours**
- **428 or 429 Choral or Instrumental Conducting, 3 hours**
- **470 Orchestration and Arranging, 2 hours**

Major ensemble, 6 hours (winds and percussion minimum 2 hours marching band)

Concentration selected from:

**General Music**: 258, 259, 279, 327, and 14 hours in one area selected from piano or organ or voice, including completion of the 442 level of proficiency in piano, the 446 level in organ, or the 456 level in voice. Keyboard principals also complete 158 and 3 hours in the secondary keyboard instrument. Voice principals also complete 4 hours in piano.

**Instrumental Music**: 158, 270, 271, 272, 273, 274, 326, 0-4 hours in piano, piano class or applied secondary electives, and 12 hours in the instrumental principal, including completion of the 300-level of proficiency. If the principal is a keyboard instrument, 3 hours in one secondary applied wind instrument or in percussion in lieu of piano class also are required. Band will be considered the major ensemble for keyboard principals in the instrumental curriculum.

The professional education sequence (25 hours) for secondary and special teaching, excluding EDSE (methods), plus Music 325 and 1 hour of general electives, are required to complete the program.

Minor in Music

Precoccur musical experience and formal training and permission of the head of the music department are required to enroll in the minor. The minor requires 22 hours, including 152, 153, 178, 277, 278 or 351, 4 hours of applied music in voice or an instrument, 4 hours in a major ensemble, and 2 hours of electives.

ASSOCIATED AREA OF PHILOSOPHY AND RELIGION

J McLachlan, Program Coordinator

D Hale, Michael Jones

Major in Philosophy, B A Degree

General education, 41 hours

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

The major requires 30 hours. Only grades of C (2.0) or higher in philosophy courses will satisfy requirements for the major. The following courses are required:

- **231 Introduction to Ethics, 3 hours**
- **304 Ancient Philosophy, 3 hours**
- **306 Modern Philosophy, 3 hours**
- **307 Nineteenth-Century Philosophy, 3 hours**
- **493 Seminar in Philosophy, 3 hours**

Philosophy electives at the junior-senior level, 12-15 hours.
A logic requirement must be satisfied by passing either the logic examination or PHIL 232, Introduction to Symbolic Logic. To complete the program, a total of 51 hours is required, including a minor, second major, or other approved program, and at least 12 hours of general electives. Twenty-four to twenty-seven hours of these courses must be at the junior-senior level.

**Minor in Philosophy**

The minor requires 18 hours, including 231, 232, and 12 hours of electives selected from junior-senior philosophy/religion courses, or PSC 345 and 346.

**DEPARTMENT OF POLITICAL SCIENCE AND PUBLIC AFFAIRS**

*Charles J. Stevens, Head*

*Gordon Mercer, Director of MPA*

*R. Collings, A. Hayes, C. D. Livingston*

**Major in Political Science, B.A. Degree**

General education, 41 hours

Program requirements, 6 hours  MFL 231-232 or 240

The major requires 33 hours as follows

- 231 American Government and Politics, 3 hours
- 302 or 303 Problems and Policies of American Government or State and Local Government, 3 hours
- 315, 316, or 318 European Political Systems, Politics of Developing Areas, or Soviet Political Systems, 3 hours
- 331 or 332 International Politics or International Organization, 3 hours  (331 is required for the concentration in international relations)
- 346 Modern Political Thought, 3 hours

Junior-senior electives, 9 hours (no more than 6 hours can be applied to cooperative education or internship)

Concentration (9 hours) selected from

- *International Relations* 332, 333, 334, 335
- *Public Administration* 304, 6 hours selected from 307, 309, and 421
- *General Political Science* Electives at the junior-senior level

To complete the program, a total of 48 hours is required, including a minor, second major, or other approved program. At least 32 hours taken at WCU must be at the junior-senior level to meet one of the general university requirements.

**Major in Political Science, B.S. Degree**

All of the requirements for the degree are the same as those listed for the bachelor of arts program except that MATH 170 (3 hours) is required, a foreign language is not required, and electives are increased by 3 hours.

**Minor in Political Science**

The minor requires 21 hours in political science, including 231, 315, and 15 hours of junior-senior electives.

**SOCIAL SCIENCE PROGRAMS**

*Curtis W. Wood, Coordinator*
Major in Social Sciences, B.A Degree

General education, 41 hours

Program requirements, 6 hours  MFL 231-232 or 240

The major requires 39 hours as follows
HIST 221, 222 European History, 6 hours
Two of the following four groups  ECON 231-232, GEOG 150-350, PSC 231-315, SOC 231-ANTH 260
Advanced electives (21 hours) including at least 6 hours in each of three areas  American history, anthropology, economics, foreign history, geography, political science, sociology

To complete the program, a total of 42 hours is required, including a minor, second major, or other approved program. At least 32 hours of the courses taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.

Major in Social Sciences, B.S. Degree

All of the requirements for the degree are the same as those listed for the bachelor of arts program except that MATH 170 (3 hours) is required, a foreign language is not required, and electives are increased by 3 hours.

Major in Social Sciences, B.S.Ed. Degree

General education, 41 hours

Program requirements, 9 hours  6 hours in a foreign language exclusive of courses taken to meet general education requirements, CMCR 250

The major requires 48 hours as follows
PSY 250 General Psychology, 3 hours
GEOG 350 Economic Geography or GEOG 444 Political Geography, 3 hours
ANTH 260 Cultural and Social Anthropology, 3 hours
HIST 221, 222 European History, 6 hours
HIST 231 American History to 1865, 3 hours
HIST 232 American History Since 1865, 3 hours
PSC 231 American Government and Politics, 3 hours
SOC 231 Principles of Sociology, 3 hours
ECON 130 Survey of Economics, 3 hours
Advanced electives (18 hours) in two social sciences selected so that 12 hours are taken in one discipline and 6 hours in another

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

DEPARTMENT OF SOCIAL WORK

Terry L Gibson, Head
M Huff, B Ward

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

General education, 41 hours

Program requirements, 16 hours  BIOL 134 (4 hours including lab), SOC 231, PSY 250, MATH 170, PSC 231

The major requires 52 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:
151 Introduction to Social Work, 3 hours
251 Social Welfare Policy and Programs, 3 hours
253 Foundations of Social Work Practice, 3 hours
334 Human Behavior and the Social Environment I, 3 hours
335 Social Work Research and Evaluation, 3 hours
354 Human Behavior and the Social Environment II, 3 hours
362 Social Work Practice I, 3 hours
364 Social Work Practice II, 3 hours
486 Field Practicum, 12 hours
496 Field Practicum Seminar, 4 hours

12 hours of junior-senior level social work/sociology electives, 12 hours chosen from social work courses, or 9 hours chosen from social work courses and 3 hours chosen from sociology courses

General electives (19 hours) are required to complete the program

Declaration of a major in social work does not guarantee admission to the program. Students are eligible to apply for admission when they have attained an overall 2.25 GPA, have completed 35 credit hours which can be applied toward a baccalaureate degree at WCU, and, in addition, have completed SOCW 151 and SOCW 251 (or transferable equivalent). Students must maintain an overall 2.25 GPA each semester after admission in order to remain in the program. See the Department of Social Work's “Admission and Termination Policies” for detailed information.
COLLEGE OF BUSINESS

Ronald E. Shuffler, Dean
Lynn R. Heinrichs, Associate Dean

Vision. The College of Business will enhance its regional reputation for distinctive competencies in management education for the information age.

Mission. The College of Business mission is to facilitate student learning for a global business environment through teaching, our primary responsibility. Our curricula, which include a focused set of undergraduate degrees and graduate professional programs, provide students with technological expertise, discipline-based knowledge, and career-enhancing skills.

We engage primarily in applied and instructional development research and we provide service to our campus, professional, and regional constituencies.

A set of shared values and the guiding principles of pursuing excellence with a personal touch govern our actions.

Programs of Study Include: Bachelor of Science in Business Administration, Bachelor of Science in International Business, Master of Business Administration, and Master of Project Management and Master of Accountancy. All degree programs are provided in Cullowhee. Graduate programs are also available in Asheville.

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 a degree program 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.

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 B.S.B.A. or B.S. degree.

Application for graduation may be filed with the dean upon completion of 80 hours but 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:

- General Education: 41 hours
- Foundation of Knowledge for Business: 45 hours
- Major Program of Study in Business: 21 hours
- Elective Courses: 13 hours

Minimum requirements for B.S.B.A Degree: 120 hours

A minimum GPA of 2.0 is required in the major for graduation. The major comprises 45 hours in Foundation of Knowledge and 21 hours in the Major Program of Study for a total of 66 hours.

Foundation of Knowledge for Business courses are:

- ACCT 251, 252 Accounting Principles I, II, 6 hours
- BA 404 Strategic Management, 3 hours
- CIS 251 Management Information Systems, 3 hours
- ECON 231, 232 Microeconomics and Macroeconomics, 6 hours
ECON 235 Statistics, 3 hours  
FIN 305 Financial Management, 3 hours  
LAW 230 Legal Environment of Business, 3 hours  
MATH 130 College Algebra, 3 hours  
MGT 300 Introduction to Management, 3 hours  
MGT 305 Quantitative Business Analysis, 3 hours  
MGT 306 Behavioral Science in Organizations, 3 hours  
MKT 301 Principles of Marketing, 3 hours  
OA 304 Business Communications, 3 hours

At least 51 hours must be taken in course work outside the College of Business. Courses taken within the College of Business to fulfill general education requirements may be counted as meeting this requirement.

Appropriate prerequisites must be completed and at least 56 hours are required for enrollment in all courses numbered 300 or above in the College of Business.

The B S B A degree program in international business will remain at 128 hours because of multiple college instructional agreements.

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  
John A. Beegle, Head

D. Coffee, E. Jones, L. Kauffman, R. Lirely, P. Little, S. Swanger

Major in Accounting, B S B A Degree

General education, 41 hours

Foundation of Knowledge for Business, 45 hours

The following 21 hours in the major:
275, 352 Intermediate Accounting I, II, 6 hours
355 Income Tax I, 3 hours
356 Cost Accounting I, 3 hours
Electives (Choose any 3) 301, Financial Statement Analysis, 361, Not-for-Profit Accounting, 365, Accounting Information Systems, 454, Auditing I, 467, Controllership

General electives 13 hours

DEPARTMENT OF BUSINESS ADMINISTRATION AND LAW  
LeVon E. Wilson, Head


Major in Business Administration and Law, B S B A. Degree

General education, 41 hours

Foundation of Knowledge for Business, 45 hours

The following 21 hours in the major:
LAW 331, 332 Business Transactions I, II, 6 hours
LAW 415 Legal Aspects of Business Management, 3 hours
Electives (12 hours) selected from the following:
LAW 302, 303, 306, 315, 320, 393, 402, 405, 406, 410, 412, 440, 480, 483, 484, 485 (with no more than a total of 3 hours from LAW 483-485)
General electives, 13 hours

Minor in Business Law

The minor, open to nonbusiness majors only, requires 18 hours, including Law 230, and 15 hours from the following: 302, 303, 315, 320, 331, 332, 402, 403, 405, 410, 412, 415, or 440.

DEPARTMENT OF BUSINESS COMPUTER INFORMATION SYSTEMS
Jennie L. Hunter, Head

D Banerjee, B Chamberlin, D Clapper, L Heinrichs, J McCreary, R Noel, W Perry, G Williams

Major in Computer Information Systems, B.S.B.A. Degree

General education, 41 hours

Foundation of Knowledge for Business, 45 hours

The following 21 hours in the major:
- 256 Business Computer Programming, 3 hours
- 258 Applications Development I, 3 hours
- 358 Applications Development II, 3 hours
- 365 Computer Architecture, Communications, and Operating Systems, 3 hours
- 453 Data Base Management Systems, 3 hours
- 455 Computer Information Systems Analysis and Design, 3 hours
- 465 Information Resource Management, 3 hours

General electives, 13 hours

DEPARTMENT OF ECONOMICS, FINANCE, AND INTERNATIONAL BUSINESS

John A Wade, Head

G Allen, P Hays, S Jarrell, R Jones, S Kask, R Mulligan, J Murphy, M Schreiber, A Spencer

Major in Economics, B.S.B.A. Degree

General education, 41 hours

Foundation of Knowledge for Business, 45 hours

The following 21 hours in one of the two following concentrations:
- Business Economics: 302, 303, 304, and 12 hours in junior-senior economics electives approved by the advisor.
- Entrepreneurial Studies: LAW 331, MGT 401, MKT 403, 404, CIS 466, FIN 409, approved FIN or ECON elective

General electives, 13 hours

Major in Finance, B.S.B.A. Degree

General education, 41 hours

Foundation of Knowledge for Business, 45 hours
The following 21 hours in one of the two following concentrations

**Corporate Finance**  ECON 303, FIN 405, 495, ACCT 301, 9 hours of electives selected from FIN 325, 335, 406, 407, 409, 483, 484, 485, ACCT 275, 352, 356, ECON 302, ECON 304

**Financial Planning**  ACCT 355, FIN 310, 406, 410, 496, FIN 335 or ECON 303, 3 hours of electives selected from ACCT 301, FIN 389 or 483, MKT 306 or MKT 310, FIN 302, FIN 335 or ECON 303, COUN 430

General electives, 13 hours

**Second Major in Economics**
The second major, which is open only to nonbusiness majors, requires 33 hours as follows
231 Introductory Microeconomics and Social Issues, 3 hours
232 Introductory Macroeconomics and Social Issues, 3 hours
235 Statistics, 3 hours
303 Money, Financial Markets, and Economic Policy, 3 hours
ACCT 251, 252 Accounting Principles I, II, 6 hours
MGT 300 Introduction to Management, 3 hours
LAW 230 Legal Environment of Business, 3 hours
Economics electives (9 hours) at the junior-senior level

**Minor in Economics**
The minor, which is open only to nonbusiness majors, requires 18 hours including 231, 232, 235, 303, and 6 hours of economics electives at the junior-senior level

**Major in International Business, B.S. Degree**
General education. 41 hours

Foundation of Knowledge for Business, 45 hours

One year (6 hours) of modern foreign language from FREN, GER, or SPAN 231, 232, or 240

The following 24 hours in the major
ECON 309 International Economics, 3 hours
MGT 301 International Management, 3 hours

Two courses chosen from the following
FIN 407 International Finance, 3 hours, LAW 320 Multinational Corporate Law, 3 hours, MKT 407 International Marketing, 3 hours, BA 304 Business Communication in a Multicultural Environment, 3 hours, PSC 331 International Politics, 3 hours

Electives (12 hours) selected from at least three different disciplines listed below
ANTH 260 Cultural and Social Anthropology, 3 hours
ANTH 327 Economy and Society, 3 hours
ECON 401 Comparative Economic Systems, 3 hours
ECON 406 International Economic Development, 3 hours
GEOG 350 Economic Geography, 3 hours
GEOG 440 Topics in Regional Geography Europe, 3 hours
GEOG 444 Political Geography, 3 hours
HIST 317 History of 20th-Century International Relations, 3 hours
HIST 411 Western Imperialism, 3 hours
HIST 416 Europe in the 20th-Century, 3 hours
MFL 321 or 322. French, German, or Spanish Civilization, 3 hours
PSC 315 European Political Systems, 3 hours
PSC 316 Politics of Developing Areas, 3 hours
PSC 332 International Organization, 3 hours
PSC 333 International Law, 3 hours
PSC 335 Problems in World Politics, 3 hours
PSC 436 Dynamics of World Order, 3 hours
SOC 434 Regional and Societal Development, 3 hours
General electives (12 hours) including at least 6 hours at the junior-senior level outside the College of Business. NOTE: This program requires a minimum of 128 hours.

The minimum GPA applies to the 69 hours which includes the Foundation of Knowledge for Business and major.

DEPARTMENT OF MANAGEMENT

Jerry Kinard, Head

J Adams, W Kane, T Kinnea, B Little, G Mechling, S Owens, J Pearce, R Routheaux, R Shuffler, C Wright

Major in Management, B.S.B.A. Degree

General education, 41 hours

Foundation of Knowledge for Business, 45 hours

The following 21 hours in the major
304 Human Resource Management, 3 hours
401 Small Business Management, 3 hours
402 Production and Operations Management, 3 hours
495 Seminar in Management, 3 hours

Electives (9 hours) selected from 301, 302, 400, 405, and 407

General electives, 13 hours

Minor in Management

The minor, open to nonbusiness majors only, requires 18 hours including MGT 300, 304, 306, and 9 hours of approved management electives.

DEPARTMENT OF MARKETING

Jeffrey E. Lewin, Head

J Busbin, B Dunlap, M Garver, J Hopper, J Johnson, M Leonard

Major in Marketing following the Contemporary concentration, B.S.B.A. Degree

General education, 41 hours

Foundation of Knowledge for Business, 45 hours

The following 21 hours in the major
302 Marketing Communications, 3 hours
303 Marketing Research, 3 hours
304 Consumer Behavior, 3 hours
475 Marketing Strategy and Management, 3 hours

Marketing electives (9 hours) selected from other junior-senior level marketing courses

General electives, 13 hours

Major in Marketing following the Professional Selling concentration, B.S.B.A. Degree

General Education, 41 hours

Foundation of Knowledge for Business, 45 hours

The following 21 hours in the major
306 Introduction to Professional Selling, 3 hours
310 Consultative Selling, 3 hours
409 Relationship Marketing and Negotiation, 3 hours
410 Advanced Professional Selling, 3 hours
420 Sales Management, 3 hours
Marketing electives (6 hours) selected from other junior-senior level marketing courses

General electives (13 hours)

*Minor in Marketing following the Contemporary concentration

The minor, which is open to nonbusiness majors only, requires 21 hours including MKT 301,
MKT 475 and 15 hours of electives selected from other junior-senior level marketing courses.

*Minor in Marketing following the Professional Selling concentration

The minor, which is open to nonbusiness majors only, requires 21 hours including MKT 306,
310, 409, 410, 420, and 6 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 psychology, sport management, recreational therapy, and parks and recreation management. The Bachelor of Science in Education degree is normally awarded to those completing a teacher education program. Students may pursue programs leading to the Bachelor of Arts or Bachelor of Science degrees simultaneously with a program in teacher education but must fulfill all requirements of an approved teacher education program. An endorsement in computer education (18 hours) can be obtained if the individual holds a license in another teaching area.

The Teacher Education Program. Admission and retention policies in teacher education programs are based on the standards and guidelines of the State of North Carolina and the National Council for Accreditation of Teacher Education (NCATE). Approved institutions must have established procedures for implementing decisions regarding admission to, and retention in, teacher education programs. The state and NCATE guidelines require continuous evaluation of students admitted to teacher education programs and states that those found unlikely to succeed as teachers should be withdrawn.

Disciplinary Focus Area. A disciplinary focus area is a twenty-four hour course of study in an academic discipline required of education students enrolled in a B.S.Ed. program in elementary, middle grades, physical education, or special education. The disciplinary focus areas available are the following: anthropology, art, biology, economics, English, French, geography, geology, German, history, mathematics, philosophy, political science, psychology, sociology, Spanish, speech, and theatre. A disciplinary focus area declaration form must be completed and filed in the dean’s office.

DISCIPLINARY FOCUS AREAS (24 HOURS MUST BE COMPLETED FOR EACH AREA)

Please select one of the following:

1. ANTHROPOLOGY (Total hours 24)
   Required courses ANTH 250, 260, 341, 419
   Additional courses Select 3 hours from ANTH 327, 349, 351, 365, 3 hours from ANTH 361, 431, 441, 3 hours from ANTH 380, 440, 466, 3 hours from ANTH 417, 461, 464, 477

2. ART (Total hours 24)
   Required courses ART 131, 132, 136, 137, 142
   Additional courses Select 9 studio hours (courses from no more than two studio areas) in art

3. BIOLOGY (Total hours 24)
   Required courses BIOL 140, 141, 304, 305, CHEM 132, 133
   Additional courses Select 2 hours from BIOL 134, 291, 292, 311, 315, 493, or any other 300- or 400-level biology course for which the student has the prerequisites and permission of the instructor
4 COMMUNICATION TRAINING AND DEVELOPMENT (Total hours 24)
   Required courses  CMCR 140, 150, 250
   Additional courses  Select 15 hours from CMHC 314, 411, 414, 415, CMTD 315, 316, 412, 413, 493, CMCR 350, 465

5 ECONOMICS (Total hours 24)
   Required courses  ECON 231, 232, 235, MGT 300, FIN 305
   Additional courses  Select 3 upper-level economics courses to total 9 hours

6 ENGLISH (Total hours 24)
   Required courses  ENGL 251, 252, 312, 330, 414, 478
   Additional courses  Select 6 hours from ENGL 361, 362, 420, 431, 440, 441, 451, 463, 470, 496

7 FRENCH (Total hours 24)
   Required courses  FREN 240, 231 and 232, FREN 301, 302, 321, 322, 351, 452
   NOTE  Some upper-level courses are not offered every year  Substitutions for these courses may be approved by the head of the Modern Foreign Languages Department if scheduling problems result for the student

8 GEOGRAPHY (Total hours 24)
   Required courses  GEOG 150, 350
   Additional courses  Select 6 hours from regional topics courses numbered GEOG 440, twelve hours from GEOG 300, 302, 320, 400, 402, 444, 462

9 GEOLOGY (Total hours 24)
   Required courses  GEOL 150, and one other freshman-level geology course
   Additional courses  Select 17 hours from any 200-level or higher geology course

10 GERMAN (Total hours 24)
   Required courses  GER 240, or 231 and 232, GER 301, 302, 321, 322, 351, 452
   NOTE  Some upper-level courses are not offered every year  Substitutions for these courses may be approved by the head of the Modern Foreign Languages Department if scheduling problems result for the student

11 HISTORY (Total hours 24)
   Required courses  HIST 221, 222, 231, 232
   Additional courses  Select 12 hours of upper-division history courses except the following  HIST 389, 473, 475, 483, 484, 485
   NOTE  HIST 221 and 231 are offered only in the fall, HIST 222 and 232 are offered only in the spring

12 MATHEMATICS (Total hours 24)
   Required courses  MATH 145, 146, 170, 230, 231, 260, and MATH 140 or 153
   Additional courses  Select 1 course from MATH 255, 270, CS 130, 141

13 PHILOSOPHY (Total hours 24)
   Required courses  PHIL 231, 304, 306, 307
   Additional courses  Select 12 hours of philosophy courses at the junior-senior level with no more than 3 hours from PHIL 305, 308

14 POLITICAL SCIENCE (Total hours 24)
   Required courses  PSC 231
   Additional courses  Select 12 hours from PSC 302, 303, 316, 318, 331, 332, 9 hours from PSC 304, 305, 306, 310, 319, 333, 334, 335, 336, 407, 421

15 PSYCHOLOGY (Total hours 24)
   Required courses  PSY 250, 251 (or equivalent) 252 (or equivalent)
   Additional courses  Select 3 hours from PSY 310, 313, 331, 333, 360, 3 hours from PSY 440, 444, 448, 455, 3 hours from PSY 363, 430, 441, 470, 474, 6 hours of psychology electives (excluding PSY 320 and PSY 321)
NOTE  PSY 252 is offered on TR during one semester and on MW during the next semester  PSY 363 is offered infrequently  PSY 455 is offered only one time each year  Students are encouraged to take PSY 389, 480 and/or 482-485 as psychology electives

16  SOCIOLOGY (Total hours 24)
   Required courses  SOC 231, 385
   Additional courses  Select 18 hours from any 200-level and above sociology course

17  SPANISH (Total hours 24)
   Required courses  SPAN 240, or 231 and 232, SPAN 301, 302, 321, 322, 351, 452
   NOTE  Some upper-level courses are not offered every year  Substitutions for these courses may be approved by the head of the Modern Foreign Languages Department if scheduling problems result for the student

18  THEATRE (Total hours 24)
   Required courses  CMTA 131, 140, 231, 300 or 301, 331, 340, 350, 400 or 401

Admission to the Teacher Education Program. Acceptance and registration in a department do not guarantee admission to the teacher education program in that department  A student is not officially in a teacher education program until approved by the students’ 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 260 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 preregistration weeks of the semester  Application forms are available in Killian Building, Room 228  Students must complete all requirements for admission to teacher education prior to earning 90 semester hours  The only course in the professional education sequence that may be taken before being fully admitted to teacher education is EDCI 231 (BK 260 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 35 hours of general education requirements,
2  earned a C (2.0) or higher grade in ENGL 101 and 102  If a student transfers ENGL 102, the student is required to pass the English Proficiency Test  If the student fails the English Proficiency Test, the student is required to earn a grade of C (2.0) or higher in ENGL 300
3  completed at least 45 earned hours,
4  earned (and then maintain) a minimum cumulative GPA of 2.5 on hours attempted at WCU,
5  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,
6  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,
7  completed the Technology Diagnostic (students should take this when they are enrolled in EDCI 231 or before),
8  completed all of the above requirements prior to earning 90 semester hours,
9  submitted the application for Admission to Teacher Education

Applicants already holding nonteacher education degrees must meet all of the above requirements except they are not required to take the PPST  They must have had a minimum cumulative GPA of 2.5 at the time of graduation
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.

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 by the dean.

**Continuation in the Teacher Education Program** The requirements for continuing in the program are (1) a GPA of at least 2.5 on hours attempted, (2) behavior which adheres to the code of ethics of the profession, and (3) satisfactory participation in the required professional laboratory program that is prerequisite to student teaching. An evaluation of each field experience assignment will become a part of the student's professional record.

If a student fails any course in the professional education sequence twice, the student is withdrawn from teacher education.

**Course Requirements in the Program** The teacher education program requires a professional education sequence of nine to twenty-eight hours in courses pertinent to teaching in specific areas and at various levels. All courses in the sequence except student teaching and the student-teaching seminar must be completed before admission to student teaching. The courses in the sequence are determined by the student’s major.

*Communication Disorders*, 9 hours EDCI 231, PSY 320 or 322, 321
*Elementary and Middle Grades*, 23 hours EDCI 231, PSY 320, 321, SPED 335, EDEL 490, 495
*Special Education*, 21 hours EDCI 231, PSY 320 or 322, 321, SPED 490, 495
*Secondary and Special Subject Teaching*, 28 hours EDCI 231, PSY 320 or 322, 321, SPED 335, EDRD 323, *Methods, EDSE 490, 495

*Students majoring in biology, social sciences take EDSE 322. Other students take the special methods course offered in their major department.*

**Field Experience Requirement.** The teacher education program requires field experiences in conjunction with several courses in addition to the student-teaching requirement. Students are expected to make their own arrangements for transportation and housing and absorb the costs related to field experiences and 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.

**Admission to Student Teaching.** Students apply to the director of field experiences early in the semester prior to the semester in which student teaching is to be done. The requirements for admission to student teaching are (1) enrollment in the professional education sequence for at least two semesters, (2) completion of at least ninety hours in a teacher education curriculum, (3) one term in residence, (4) a GPA of 2.5 or above, both at the beginning of the term immediately preceding the student teaching term and at the time of enrollment in student teaching, (5) completion of at least two-thirds of the major, (6) completion of all records designated by the director of field experiences, (7) removal of conditions placed on the student at the time of admission to the teacher education program, (8) completion of the applicable professional education sequence except for student teaching and the student teaching seminar, (9) completion of a post test in areas of nonproficiency as identified on the Technology Diagnostic. Student teaching assignments are made only in school systems within the WCU service area.

**Continuation in Student Teaching.** To continue in student teaching, 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.
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) complete applications for licensure and file them with
the dean of the College of Education and Allied Professions, (5) receive a recommendation
from the head of the department of the teaching major, (6) achieve the minimum score on the
PRAXIS Tests, (7) receive a professional recommendation for Class A licensure by the dean
of the College of Education and Allied Professions, (8) 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.

DEPARTMENT OF EDUCATIONAL LEADERSHIP AND
FOUNDATIONS
Penelope S Smith, Acting Head
J Carter, G Chambers, W Clauss, C Eldridge, B Fox, C Gerstl-Pepin, R Haynes, A Hicks,
E Hilty, C Hurley, M Herzog, J McFadden, D McGinty, G Moller, K Pennington, R
Putman, J Walters, B Ward, O Winters

Major in Secondary and Special Subject Teaching, B.S Ed Degree

Degree requirements are as specified for the respective degree programs in the appropriate
departmental sections of this catalog.

The subject areas in which majors are available are

<table>
<thead>
<tr>
<th>Secondary Teaching (grades 9-12)</th>
<th>Special Subject Teaching (grades K-12)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>Physical Education</td>
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<tr>
<td>Social Sciences</td>
<td>Spanish</td>
</tr>
<tr>
<td>English</td>
<td>Special Education (General)</td>
</tr>
<tr>
<td>Family and Consumer Sciences*</td>
<td>German</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Music</td>
</tr>
</tbody>
</table>

*Grades 7-12

Students seeking or holding a degree other than a Bachelor of Science in Education may be
admitted to the teacher education program and earn teacher licensure. Consult your adviser
or department head.

DEPARTMENT OF ELEMENTARY AND MIDDLE GRADES
EDUCATION
Lester L Lamunack, Head

B Bell, J Clauss, M Coulter, R DuVall, V Faircloth, B Houghton, G Houston, R
McCreary, E Manning, C Meigs, J Perlmuter, J Pitch, T Rose, M Ray

Major in Elementary Education, B.S.Ed. Degree

General education, 41 hours

The major requires 40 hours as follows
EDEL 303 Literature for Children and Youth, 3 hours
EDEL 312 Elementary School/Methods and Curriculum, 3 hours
EDEL 315 Elementary/Middle Grades Communication Skills, 3 hours
EDEL 316 Elementary/Middle Grades Science, 3 hours
EDEL 317 Elementary/Middle Grades Social Studies, 3 hours
EDEL 318 Elementary/Middle Grades Mathematics, 3 hours
EDEL 390 Practicum in Elementary Education I, 1 hour
EDEL 476 Guiding Children’s Behavior and Managing Classrooms, 2 hours
EDRD 334 Reading Instruction in the Elementary School, 3 hours
EDRD 474 Practicum in Teaching Reading, 3 hours
PE 360 Skills in Promoting Healthful Living, 3 hours
MATH 230 Theory of Arithmetic I, 3 hours
MATH 231 Theory of Arithmetic II, 3 hours
MUS 301 Basic Skills, 2 hours
ART 363 Art for Children, 2 hours

In order to complete the program, the following are required:
1. Completion of an approved disciplinary focus area, 24 hours,
2. Completion of the professional education sequence for elementary education majors, 23 hours

Major in Middle Grades Education, B.S.Ed. Degree

General education, 41 hours

The major requires 18 hours in core courses as follows
EDEL 310 Middle School Child and Curriculum, 3 hours
EDEL 315 Elementary/Middle Grades Communication Skills, 3 hours
EDEL 390 Practicum I, 1 hour
EDEL 466 Computers in Education, 3 hours
EDEL 476 Guiding Children's Behavior and Managing Classrooms, 2 hours
EDRD 443 Middle Grades Reading, 3 hours
EDRD 474 Practicum in Teaching Reading, 3 hours

In order to complete the program, the following are required:
1. The completion of an approved disciplinary focus area (24 hours),
2. Two concentrations of at least 18 hours, including the appropriate 3-hour methods course, in mathematics and science or social studies and language arts. Work completed in the disciplinary focus area may be counted toward one concentration.
3. The professional education sequence (23 hours) for middle grades education and an elective (1-4 hours)

Reading (K-12) Certification Track

Certification in reading may be earned by students holding or eligible for certification in Elementary Education or Middle Grades Education. The program requires 19 semester hours including EDEL 303, EDEL 467, EDRD 334, EDRD 443, EDRD 453, and EDRD 474. Students holding or eligible for certification in other areas may also obtain certification in reading. For information contact the head of the Department of Elementary and Middle Grades Education.

DEPARTMENT OF HEALTH AND HUMAN PERFORMANCE

David Claxton, Head

K Ayers, K Beathard, B Bleil, M Creason, D Dollar, M Girton, M Gunthrop, R Hennon, P Hopkins, A Jacobs, E Kesgen, S McPherson, S Persons, M Phupps, B Pry, T Rogers, S Ryan, O Spulker, B Tholkes, M Tidack, L Travis, C Tuten, M Waugh, D Williamson, A Wood, T Woods, J Young

Major in Physical Education, B.S.Ed Degree

General education, 41 hours

The major requires 35 hours as follows
HEAL 250 First Aid and Safety Education, 2 hours
HEAL 312 Comprehensive Health Education, 3 hours
PE 251 Dance Dynamics, 3 hours
PE 261, 262, 263 Skills Acquisition I, II, III, 3 hours
PE 311 Measurement and Evaluation, 2 hours
PE 312 Foundations of Health and Physical Education, 3 hours
PE 335 Anatomy and Physiology, 4 hours
PE 345 Elementary Physical Education, 3 hours
PE 353 Methods and Teaching Analysis of Team and Individual Sports, 3 hours
PE 405 Outdoor Leisure Pursuits, 1 hour
PE 423 Kinesiology, 2 hours
PE 424 Methods in Adaptive Physical Education, 2 hours
PE 425 Exercise Physiology, 2 hours
PE 435 Motor Behavior, 2 hours

In order to complete the program, the following are required:

The professional education sequence (28 hours) for secondary and special subject teaching:
- A disciplinary focus area, 24 hours
- A grade of C or better in all major classes including PE 325 Physical Education Curriculum and Methods (Departmental Methods course included in the Professional Education Sequence)
- All majors must be active in a varsity sport, to include athletic training or managing, or serve as an intramural assistant for two full semesters and complete 50 hours of community service prior to student teaching.

All majors are encouraged to be active in intramural programs. Juniors and seniors must be in good standing as members of the Physical Education Majors Club (individual faculty members will include this as part of professional assignments in certain classes such as PE 312, 325, 345, and 353).

Major in Parks and Recreation Management, B.S. Degree

Program requirements, 41 hours

General education, 11-12 hours
- HEAL 250 or 255, MATH 170, CIS 251, SOC 231

The major requires 52 hours as follows:

PRM 150 Career Opportunities in Parks and Recreation Management, 1 hour
PRM 250 Foundations of Parks and Recreation Management, 3 hours
PRM 254 Intro to Outdoor Pursuits Education (w/lab), 3 hours
PRM 270 Leadership and Group Dynamics in Recreation, 3 hours
PRM 361 Prog Planning and Eval in Parks and Recreation Management, 3 hours
PRM 370 Internship Orientation, 1 hour
PRM 383 Internship in Parks and Recreation Management (mini-internships) (1, R3 hours)
PRM 430 Entrepreneurship and Commercial Recreation, 3 hours
PRM 433 Outdoor Recreation, 3 hours
PRM 461 Mtg and Administration of Parks and Recreation Management Services, 3 hours
PRM 480 Independent Study, 3 hours
PRM 483 Internship in Parks and Recreation Management, 3 hours
or 484, 485
PRM 495 Senior Seminar in Parks and Recreation Management, 1 hour
SM 435 Events and Facilities Management, 3 hours
RTH 253 Activity Skills for Special Populations, 2 hours
ACCT 161 Accounting for the Non-business Major, 3 hours
MKT 301 Principles of Marketing, 3 hours
ENGL 401 Writing for Careers, 3 hours
SM 415 Legal Issues for the Sport Practitioner, 2 hours
SOC 385 Methods of Social Research, 3 hours

Concentrations, at least 12 hours selected from the following:

Program Leadership - SM 315, PRM/SM 330, RTH 360 required, 3 hours selected from
- PE 353, PRM 420, 440, 434, 435
Outdoor Leadership and Instruction - PRM 321 required,
Choose Outdoor Pursuits Option or Camping Option

Outdoor Pursuits Option - PRM 420 required, 6 hours selected from PRM
- 425, 426, 434, 435, 486 or RTH 470
Camping Option - PRM 314 required, 6 hours selected from PRM 313, 425, 426, and RTH 470
Commercial Recreation and Tourism  PRM 440 required,
Choose Resort Option or Entrepreneur Option or Adventure Tour Option
Resort Option  9 hours selected from HM 130, HM 333, PRM/SM 330, HM 335, SM 315, RTH 360
Entrepreneur Option  BA 133, MGT 401, PRM 485
Adventure Tour Option  9 hours selected from PRM 425, 426, 434, 435, and 486

Recreation Resource Management (12 hours)  An approved area of study tailored to suit specific land agencies such as the National Parks Service, Forest Service, Bureau of Land Management, Bureau of Indian Affairs, state parks, and Army Corp of Engineers

General electives, 12 hours, at least 9 hours at the junior-senior level are required to complete the program

Minor in Parks and Recreation Management
The minor requires 21 hours, including PRM 150, 250, 270, 461, SM 315, 415, 435, and 3 hours selected from PRM 430, 433, or 440

Major in Recreational Therapy, BS Degree
General education, 41 hours
Program requirements, 14 hours  COUN 430, BIOL 291, 292, CDFR 364
The major requires 57 hours as follows
RTH 253 Psychomotor Activity Skills, 2 hours
RTH 340 Foundations of Recreational Therapy, 3 hours
RTH 352 Recreational Therapy Processes and Techniques, 3 hours
RTH 360 Recreational Therapy Services for the Elderly, 3 hours
RTH 395 Pre-Internship Seminar, 1 hour
RTH 417 Administration of Recreational Therapy Services, 3 hours
RTH 450 Advanced Methods in Recreational Therapy, 3 hours
RTH 470 Adventure-Based Recreational Therapy, 3 hours
RTH 484 Recreational Therapy Clinical Internship, 6 hours
RTH 485 Recreational Therapy Clinical Internship, 6 hours
PRM 270 Leadership and Group Dynamics in Recreation, 3 hours
PSY 250 General Psychology, 3 hours
PSY 470 Abnormal Psychology, 3 hours
HSCC 220 Medical Terminology, 3 hours
HSCC 330 Legal and Legislative Aspects of Health Care, 3 hours
HSCC 370 Introduction to Pharmacology, 2 hours
HEAL 250 First Aid and Safety Education, 2 hours
ENGL 401 Writing for Careers, 3 hours
PE 423 Kinesiology, 2 hours

General electives (16 hours) are required to complete the program
Major in Sport Management, B.S. Degree

General education, 41 hours

Program requirements, 12 hours  ACCT 161 or 251, CIS 293 or 301, ECON 231, MKT 301

The major requires 63 hours as follows
Core courses, 42 hours
SM 260 Introduction to Sport Management, 3 hours
SM 313 Psychological Aspects of Sport, 3 hours
SM 380, 383, or 389 Independent Study, Apprenticeship, or Cooperative Education, 1 hour
SM 415 Legal Issues for the Sport Practitioner, 3 hours
SM 423 Sociology of Sport, 3 hours
SM 435 Event and Facility Management and Marketing, 3 hours
SM 460 Financial Aspects of Sport, 3 hours
SM 461 Sport Marketing Promotions, 3 hours
SM 484, 485 Internship in Sport Management, 12 hours
SM 495 Sport Management Seminar, 2 hours

The major requires 63 hours as follows
Core courses, 42 hours
SM 260 Introduction to Sport Management, 3 hours
SM 313 Psychological Aspects of Sport, 3 hours
SM 380, 383, or 389 Independent Study, Apprenticeship, or Cooperative Education, 1 hour
SM 415 Legal Issues for the Sport Practitioner, 3 hours
SM 423 Sociology of Sport, 3 hours
SM 435 Event and Facility Management and Marketing, 3 hours
SM 460 Financial Aspects of Sport, 3 hours
SM 461 Sport Marketing Promotions, 3 hours
SM 484, 485 Internship in Sport Management, 12 hours
SM 495 Sport Management Seminar, 2 hours

Concentration (21 hours) selected from
Athletic Administration*  SM 213, 315, MKT 302, 304, 306, LAW 315, CMPR 360
Athletic Training  HSCC 240, ND 330, PE 423, 425, SM 213, 383, 413, PE 335 or BIOL 291 and BIOL 292
Exercise Science and Fitness Management  CHEM 132, 133, PE 423, 425, ND 330, PE 335 or BIOL 291 and BIOL 292  Two courses selected from the following  PE 104, 105, 114, 115, 116, 118, 261  (Courses selected for general education requirements may not be utilized)
Professional Sport Management  MGT 302, MGT 302, 304, 306, 405, LAW 230, 315, and CMPR 360
Recreational Sport Management  PE 265 or 266, PRM 254, 270, 461, RTH 253, SM 315, 330, and two credits selected from PE 102 through 129, 204, 207 through 210, 261, 262, 263  (Courses selected for general education requirements may not be utilized)
Sales  ACCT 251/252, MGT 401, MKT 302, 304, 306, 403, LAW 230
Sports Information  CMCR 140, 301, CMPM 303, 304, 305, and CMPR 360  Three credits selected from PE 122 or 209, 123 or 210, 132, 133, 134, 135, 262, 263

General electives (13 hours), including appropriate credits at the junior-senior level, are required to complete the program

Requirements for Application to the Sport Management Major
Completed application form and personal resumé
Less than 90 credit hours already accumulated (includes WCU and transfer hours)
"C" or better in SM 260 - Introduction to Sport Management and any other SM attempted courses
2 3 WCU cumulative grade point average
Requirements for Internship in Sport Management

- 2.0 WCU Grade Point Average
- 2.0 in all courses required for the major and selected concentration
- "C" or better in all SM prefix courses
- Permission of Sport Management Adviser
- Completion of all required coursework
- Coaching minor if intended internship is in coaching

Requirements for Graduation in Sport Management

- 2.0 WCU Grade Point Average
- 2.0 cumulative GPA in all courses required for the major and concentration
- "C" or better in all SM prefix courses
- 128 semester hours
- All other WCU requirements

Other Information

Up to twelve majors will be admitted each academic semester (fall and spring). There may be a limit to the number of students admitted to any given concentration. All applications to the major and required information must be submitted prior to the due date each semester for full consideration. Deadline for fall applications (spring admission) is October 1. Deadline for spring applications (fall admission) is March 1.

*If a student intends to select an internship in coaching, a coaching minor is required

Minor in Coaching

The minor requires 21 hours, including HEAL 250, PE 335, SM 213, 313, 415, and two courses selected from PE 410, 411, 418. The minor is not open to physical education majors.

Minor in Dance

The minor requires 18 hours, including PE 251, DA 258, 259, 301, 302 and 3 hours selected from PE 205, DA 252, 253, 254, 255, 256, or 257.

Minor in Physical Education

The minor requires 21 hours, including HEAL 250, PE 312, 325, 345, 353, 435, SM 415, and choice of two from PE 261, 262, 263.

DEPARTMENT OF HUMAN SERVICES

Billy T Ogletree, Head


Major in Special Education, General, B.S.Ed. Degree

Students who complete this major are eligible for North Carolina certification in learning disabilities and mental retardation.
General education, 41 hours

Special education major, 36 hours as follows

240 The Exceptional Child, 3 hours
310 Evaluation of the Exceptional Child, 3 hours
312 Teaching Elementary Children with Learning Problems (K-6), 3 hours
401 Introduction to Learning Disabilities, 3 hours
405 Introduction to Mental Retardation, 3 hours
413 Teaching Adolescents with Learning Problems, 3 hours
417 Managing Classrooms for Exceptional Children, 3 hours
450 Individual Educational Plans for Students with Disabilities, 3 hours
484 Practicum in Special Education, 3 hours
EDEL 318 Elementary/Middle Grades Mathematics, 3 hours
EDRD 474 Practicum in Teaching Reading, 3 hours
Guided electives, 3 hours

The professional education sequence (21 hours), a disciplinary focus area (24 hours), 6 general elective hours, and 50 hours of community service are required to complete the program.

Major in Communication Disorders, B.S.Ed. 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. Enrollment in EDCD 485 requires completion of a minimum of twenty-five hours of supervised observation of clinical experience and a cumulative GPA consistent with current program requirements.

General education, 41 hours

The major requires 37 hours as follows

SPED 240 The Exceptional Child, 3 hours
EDCD 270 Introduction to Communication Disorders, 3 hours
EDCD 301 Speech and Language Development, 3 hours
EDCD 320 The Clinical Process, 3 hours
EDCD 370 Phonetics, 3 hours
EDCD 371 Articulation/Phonological Disorders, 3 hours
EDCD 372 Speech Science, 3 hours
EDCD 450 Introduction to Audiology, 3 hours
EDCD 471 Anatomy and Physiology of the Speech Mechanism, 3 hours
EDCD 474 or 478 Voice Disorders or Fluency Disorders, 3 hours
EDCD 476 Language Disorders in Children, 3 hours
EDCD 485 Clinical Practicum in Communication Disorders, 1 hour
EDCD 495 Seminar in School Practice, 3 hours

Concentration, 24 hours

The professional education sequence requires EDCI 231, PSY 320, and PSY 321, 9 hours

General electives include 17 hours

Minor in Special Education

The minor in special education requires 18 hours, including SPED 240, 310, 401, 405, and 6 hours of guided electives.
DEPARTMENT OF PSYCHOLOGY
Mickey Randolph, Head

M Abel, S Acheson, J Bernard, C Boan, W Chovan, J Habel, B Henderson, H Herzog,
P Klaczynski, R Kowalskt, E McDowell, S Minor, H Stevens, J Stullion, J Wakeley, H White

Major in Psychology, B S Degree

General education, 41 hours

The major requires 39 hours as follows
250 General Psychology, 3 hours
251, 252 Research Methods I, II, 6 hours
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, 455
Clinical, 3 hours selected from 363, 430, 441, 470, 474
Others, 15 hours excluding 101

To complete the program, a total of 48 hours is required, including at least 12 hours of general electives, appropriate credits at the junior-senior level, and either (1) a second major, minor, or other approved program or (2) a 21-hour concentration selected from

Applied/Developmental Psychology 21 hours selected from 320, 325, 327, 333, 360, 363, 426, 441, 460, 474, 482

Minor in Gerontology

The minor requires 24 hours, including PSY 260, CDFR 364 or PSY 325, PSY 252 or SOC 385 or NSG 470, at least one course from the Biological Perspective—ND 330, NSG 393, PE 335, at least one course from the Social-Psychological Perspective—CDFR 469, PSY 327, PSY 426, SOC 494, at least one course from the Interventions Perspective—EMC 430, NSG 405, SOCW 329, RTH 253, RTH 360, and one applications course—CDFR 483, 484, 485, NSG 480, PSY 482, 483, 484, 485, SOC 483, 484, 485, SOCW 483, 484, 485

Minor in Life Span Development

The minor requires 24 hours, including PSY 325, 3-6 hours selected from PSY 327, 393, 6-9 hours selected from PSY 331, 333, 426, 470, 474, CDFR 261, 469, COUN 450, and 3-6 hours in PSY 482, 483, or approved courses named above

Minor in Psychology

The minor requires 24 hours, including 250, 251 (or equivalent), 252 (or equivalent), and 15 hours of approved psychology electives
THE GRADUATE SCHOOL

Abdul M Turay, Dean
Valerie L. Schwiebert, 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 twelve master's degrees with more than fifty options in the different professional and academic areas. The education specialist and doctorate degrees in educational leadership are also offered.

Master of Accountancy

Master of Arts: Majors in American History, English, Music (Applied and Education), Psychology, (Clinical and School), and Studio Art

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, and mental retardation), Educational Supervision (elementary education, middle grades, subject specialties, curriculum and instruction, and instructional technology specialist-computers), 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, Family and Consumer Sciences, Mathematics, Physical Education, Reading, and Social Sciences

Master of Business Administration

Master of Health Sciences. Options in education, management, nutrition

Master of Physical Therapy

Master of Project Management

Master of Public Affairs

Master of School Administration

Master of Science: Majors in Applied Mathematics, Biology, Chemistry, Communication Disorders, Community Counseling, Human Resource Development, and Technology

Master of Science in Nursing

Education Specialist: Educational Leadership

Doctor of Education: Educational Leadership

Admission and Program Requirements

Admission to the Graduate School requires a bachelor’s degree from a regionally accredited college or university with an undergraduate background appropriate for graduate study in the proposed field and a minimum GPA of 2.75 in the last two years of the undergraduate program. Some programs may require a higher GPA. Departments also require some form of standardized test such as GMAT or GRE. Please consult the graduate catalog, The Record, 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

*Complete information will be found in the graduate catalog, The Record, available from the Graduate School.
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 M.A. in American history (excluding public history and American studies options), M.A. in English, M.A. in psychology (clinical and school), M.S. in biology, and M.S. in chemistry. A thesis-exhibition is required for the M.A. in studio art. A thesis or lecture/recital is required for the M.A. in music. A thesis may be accepted for degree programs leading to the Master of Arts in education, the Master of Health Sciences, the Master of Science in applied mathematics, and the Master of Science in communication disorders. A dissertation is required for the Ed.D.

A reading knowledge of a foreign language is required for the following programs: M.A. in American history and the M.A. 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 coursework to strengthen their academic background.
COURSE DESCRIPTIONS

All courses offered by the university are listed below. For the full description of graduate courses, refer to the graduate catalog. If the entry for an undergraduate course does not carry the full description, refer to the listing for the field of study designated by the parenthetical course prefix and number.

Numbering System. Each course is identified by means of a course prefix and a three-digit number. The first digit of the number designates the level of the course and indicates the minimum class rank a student should have achieved to enroll in the course.

<table>
<thead>
<tr>
<th>Prefix</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>
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<tr>
<td>200-299</td>
<td>Courses for sophomores</td>
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<td>300-399</td>
<td>Courses for juniors</td>
</tr>
<tr>
<td>400-499</td>
<td>Courses for seniors</td>
</tr>
<tr>
<td>500 and above</td>
<td>Courses for graduate students only</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.

All courses approved for general education at the freshman and sophomore levels are numbered in the ranges 101-135 and 201-231. The category of general education to which each course applies may be found in the general education requirements section. The applicable category also is indicated by the parenthetical code at the end of each course description.

<table>
<thead>
<tr>
<th>Categories</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F1</td>
<td>Written Communication</td>
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<tr>
<td>F2</td>
<td>Mathematics</td>
</tr>
<tr>
<td>F3</td>
<td>Oral Communications</td>
</tr>
<tr>
<td>F4</td>
<td>Computer Literacy</td>
</tr>
<tr>
<td>F5</td>
<td>Leisure and Fitness</td>
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<tr>
<td>P1a</td>
<td>Human Behavior</td>
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<tr>
<td>P1b</td>
<td>Contemporary Institutions</td>
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<tr>
<td>P2</td>
<td>Physical and Biological Sciences</td>
</tr>
<tr>
<td>P3a</td>
<td>Humanities</td>
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<tr>
<td>P3b</td>
<td>Fine/Performing Arts</td>
</tr>
<tr>
<td>P4</td>
<td>Comparative Cultures</td>
</tr>
<tr>
<td>P5</td>
<td>The Human Past</td>
</tr>
</tbody>
</table>

The number 389 is reserved for cooperative education 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.

<table>
<thead>
<tr>
<th>Sequence</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>80-82</td>
<td>Independent study and directed-readings courses</td>
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<tr>
<td>83-89</td>
<td>Internships, practica, and special applied field projects</td>
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<tr>
<td>90-92</td>
<td>Student teaching</td>
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<tr>
<td>93-94</td>
<td>Special topics courses</td>
</tr>
<tr>
<td>95-98</td>
<td>Seminars</td>
</tr>
<tr>
<td>699</td>
<td>Thesis</td>
</tr>
<tr>
<td>979</td>
<td>Continuing Research - Non-Thesis Option</td>
</tr>
<tr>
<td>999</td>
<td>Continuing Research - Thesis Option</td>
</tr>
</tbody>
</table>

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.
<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</td>
</tr>
<tr>
<td>ANTH</td>
<td>Anthropology</td>
<td>Anthropology and Sociology</td>
</tr>
<tr>
<td>ART</td>
<td>Art</td>
<td>Art</td>
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<tr>
<td>ASI</td>
<td>Arts and Sciences</td>
<td>College of Arts and Sciences</td>
</tr>
<tr>
<td>AST</td>
<td>Astronomy</td>
<td>Chemistry and Physics</td>
</tr>
<tr>
<td>BA</td>
<td>Business Administration</td>
<td>Business Administration and Law</td>
</tr>
<tr>
<td>BIOL</td>
<td>Biology</td>
<td>Biology</td>
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<tr>
<td>BK</td>
<td>Birth-Kindergarten</td>
<td>Human Environmental Sciences</td>
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<td>CDFR</td>
<td>Child and Family Studies</td>
<td>Human Environmental Sciences</td>
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<td>CFS</td>
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<td>Human Environmental Sciences</td>
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161 **Accounting for the Non-Business Major** (3)
The basic accounting cycle, financial statements, uses of accounting in business and non-business organizations. Not open to students seeking the 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, activity-based costing, cost-volume-profit analysis, budgeting, and short-term decision models. **PREQ** 251

275 **Intermediate Accounting I** (3)
Accounting theory in financial statements, valuation and present value concepts, current assets. **PREQ** 252

293 **Topics in Accounting** (1-3, R3)

301 **Financial Statement Analysis** (3)
Short-term liquidity, cash flow from operations, funds flow, capital structure, long-term solvency, return on investment, asset utilization, and operating performance. **PREQ** 252 **COREQ** FIN 405, 495

352 **Intermediate Accounting II** (3)
Theory applied to current and long-term liabilities, plant property and equipment, intangible assets, and stockholders equity. **PREQ** 275

355 **Income Tax I** (3)
Federal tax on individual incomes, capital gains and losses, income averaging, amendments, deductions, exemptions, withholdings, income concepts, depreciation

356 **Cost Accounting I** (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 I, II** (3, 3)
Theory, practice, and procedures in independent audits, standards, professional ethics, and internal control. **PREQ** 352

464 **CPA Problems** (3)

466 **Income Tax II** (3)

467 **Controllership** (3)

480 **Independent Research in Accounting** (3)
**PREQ** Accounting major, permission of department head
483 **Accounting Internship** (3, 3, 3)
Supervised work or research experience in applications of accounting theory
S/U grading
PREQ: Junior standing, 2.0 GPA, formal application, and permission of department head
Minimum of 10 hours per week

493 **Topics in Accounting** (1-3, R6)
PREQ: Permission of department head

**Graduate Courses**

601 Financial Analysis (3)
605 Accounting Theory and Practice I (3)
615 Accounting Theory and Practice II (3)
616 Accounting Theory and Practice III (3)
625 Advanced Accounting Information Systems (3)
635 Accounting and Auditing Concepts in Not-for-Profit Organizations (3)
640 Auditing (3)
651 Managerial Accounting (3)
661 Advanced Theory (3)
662 Taxation and Business (3)
682 Research Project in Accounting (3 R6)
693 Topics in Accounting (1-3, R6)
979 Continuing Research - Non-Thesis Option (1, R10)

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**Anthropology (ANTH)**

110 **Origins of Civilization** (3)
The development of civilizations in major world areas from the earliest beginnings to the present (P5)

120 **Comparative Cultural Systems** (3)
Analysis and comparison of the major features of diverse human cultures (P4)

250 **Archaeology and Bioanthropology** (3)
Evolutionary theory, human genetics, primatology, fossil humans, and early civilizations

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 **Cultural Ecology** (3)
Relationships between physical environment and culture, nonphysiological means of environmental adaptation
PREQ: 250, 260, or SOC 231

361 **World Prehistory** (3)
Survey of cultural developments in society from the dawn of man to the advent of modern civilization

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 (ART 379) **Cherokee Arts and Crafts** (3)
Present-day Cherokee skills of woodcarving, basketry, pottery making, and other arts and crafts taught by native craftsmen, historical development in relation to other aspects of Cherokee culture and society
1 Lecture, 5 Lab
380 (SOC 380) Ethnographic Research Methods (3)
Theory and method, techniques of observation, description, interviewing, notetaking, and analyzing data, planning and completing a field study  PREQ 260 or SOC 231

389 Cooperative Education in Anthropology (1 or 3, R15) See Cooperative Education Program

414 (SOC 414) Minority Groups (3)

417 Southern Appalachian Culture (3)
Stability and change in the sociocultural institutions of the region  PREQ 260 or SOC 231

419 Comparative Family (3)
The family as a social institution in various cultures  PREQ 260 or SOC 231

431 North American Prehistory (3)
Cultural history of the peoples of prehistoric North America, including Mexico  PREQ 250

440 Archaeological Field Techniques (3)
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

464 Cultures of South Asia (3)
The cultures of India, Pakistan, Ceylon, Nepal, Afghanistan, and other South Asian countries  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 life styles  PREQ 260

477 Cultures of Subsaharan Africa (3)
Cultural diversity and development in Subsaharan 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, 3, 3)

484 Application of academic training in an approved agency under faculty supervision

485 Credit toward anthropology major or minor limited to 3 hours  S/U grading  9 hours per week per course

493 Topics in Anthropology (3, R6)
PREQ Permission of instructor

Graduate Courses
514 (SOC 514) Minority Groups (3)
517 Southern Appalachian Culture (3)
519 Comparative Family (3)
531 North American Prehistory (3)
540 Archaeological Field Techniques (3)
541 Archaeological Problems and Analyses (3)
561 Indians of North America (3)
565 Cultures of South Asia (3)
566 Folklore (3)
573 Contemporary Cherokee Culture and Society (3)
577 Cultures of Subsaharan Africa (3)
581 Independent Study in Anthropology (1-2, R6)
593 Topics in Anthropology (3 R6)
102 Non-Western Art (3)
Style, symbolic expression, and attitudes toward mankind's relationship to nature in North America, Africa, and the South Pacific (P4)

103 Art in Society (3)
Examination of recurring visual forms in historic context as expressions of cultural values and aspirations (P5)

104 (308) Introduction to the Visual Arts (3)
Introduction to the visual arts through an analysis of artists and their works, methods of visual expression, and examination of critical thinking as applied to visual form and content (P3b)

120 Beginning Drawing and Sketching (1)
Experiments with a variety of drawing materials to familiarize the nonmajor with various approaches 2 Lab (F5)

124 Beginning Ceramics (1)
Introduction to clay forming, firing, and glazing techniques for nonmajors 2 Studio (F5)

125 Introduction to Calligraphy (1)
Basic calligraphy for nonmajors as appreciation of letter forms in visual elements 2 Studio (F5)

131 Introductory Drawing (3)
The investigation of both traditional and nontraditional methods of drawing with emphasis on the nature of drawing as a way of seeing and organizing ideas and perceptions 6 Studio

132 Two-Dimensional Design (3)
Foundation course with an emphasis on traditional two-dimensional techniques Emphasis is placed on use of materials and tools, problem solving, aesthetic theory, and criticism 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 Figure Drawing (3, R6)
Analytical and compositional life drawing based on the human form using varied media, study of anatomy, master drawings and the use of the figure for purposes of design and expression PREQ 131 6 Studio

142 Three-Dimensional Design (3)
Traditional and nontraditional studio techniques, tools, and media Emphasis is placed on problem solving through studio activity and relating art theory and criticism to the studio 6 Studio

233 Introductory Painting (3)
Emphasis on color theory and the materials and techniques of painting Historical concerns are integral parts of directed and individual investigations PREQ 131, 132 or permission of instructor 6 Studio

234 Introductory Printmaking (3)
Materials and methods of various printmaking techniques as they relate to historical and contemporary issues PREQ 131, 132, or permission of instructor 6 Studio

241 Introductory Sculpture (3)
Principles and processes of sculpture, supported by critical thinking, class critique, historical and contemporary references PREQ 131 and 142 or permission of instructor 6 Studio
251 Introductory Ceramics (3)
Basic principles of ceramics technical, critical, and historical 6 Studio

263 Introduction to Art Education (1)
Introduction to current art education topics and approaches for teaching art in the
traditional and nontraditional settings 2 Studio Spring only

270 Communication Design (3)
Principles of visual communications including structure, typography, color and seman-
tics, emphasis on developing an understanding of the scope of graphic design including
theory, practice, and technology PREQ 132 6 Studio

306 Renaissance Art (3)
The Renaissance in Italy and northern Europe, major trends and personalities in art and
architecture PREQ 137 or permission of instructor

309 Seventeenth and Eighteenth-Century Art (3)
Major baroque and rococo artists, architects, landscape and urban designers in Europe
PREQ 137 or permission of instructor

312 Nineteenth-Century Painting (3)
Major figures and styles in European painting PREQ 137 or permission of instructor

314 American Painting (3)
From colonial limners to contemporary art PREQ 137 or permission of instructor

316 Development of Modern Art Painting, Sculpture, and Architecture (3)
From Manet, Rodin, and Richardson to Post-Modernism in painting, sculpture, and
architecture PREQ 137 or permission of instructor

317 Origins of Modern Sculpture (3)
Academic sculpture in the nineteenth century Modernist innovations from Rodin to
David Smith PREQ 137 or permission of instructor

319 History of Design (3)
Survey of the development of graphic design from prehistory through contemporary
visual communications, topics include typography, photography, illustration and cur-
rent conceptual and art historical issues PREQ Permission of instructor

330 Intermediate Drawing (3, R6)
The history and functions of drawing, drawing as a method of developing ideas and as
an end itself, relationship to other media PREQ 141 6 Studio

333 Intermediate Painting (3, R6)
Materials, techniques, and aesthetic issues of painting in contemporary and abstract
modes with focus on personal interpretation and perception PREQ 233 6 Studio

334 Intermediate Printmaking (3, R6)
Exploration of various printmaking techniques with focus on personal interpretation
and perception PREQ 234 6 Studio

342 Intermediate Sculpture (3, R6)
Materials, techniques, and aesthetic issues of sculpture in contemporary and abstract
modes with focus on personal interpretation and perception PREQ 241 6 Studio

350 Fibers (3, R12)
Exploration of weaving techniques and structural forms in fibers combined with the
history of weaving and the critical evaluation of projects 6 Studio

351 Intermediate Ceramics (3, R6)
Study of ceramics within an historical and contemporary context, emphasis on clay-
forming techniques combined with class discussion and criticism PREQ 251
6 Studio
352 Jewelry and Metalsmithing (3, R12)
Basic principles of jewelry and metalsmithing, technical, critical, and historical 6 Studio

354 Glass (3, R12)
Basic techniques of glassblowing and flat glass Conceptual, technical, critical, and historical issues will be emphasized 6 Studio PREQ Permission of instructor

359 Introductory Book Arts (3)
Principles and techniques for producing handmade books, including papermaking, bookbinding, and printing Exploration of books as a format for developing concepts and imagery 6 Studio

363 Art for Children (2)
Fundamentals for designing and implementing lessons to teach art to children in all educational settings Teaching diverse multicultural populations discussed 4 Studio

365 Art Methods for the Elementary School (3)
Curriculum planning, exploration of age-appropriate art media and methods for teaching art to diverse populations in the elementary school Field experience required PREQ 263 6 Studio

367 History and Philosophy of Art Education (3)
A study of art education as influenced by educational, philosophical, and socioanthropological developments throughout history PREQ 263, 363 Spring only

370 Graphic Design Studio Procedures (3)
Equipment, materials, and procedures of the professional graphic design studio Focus on creative expression and critical thinking through photomechanical and production techniques of the graphic arts industry PREQ 270 6 Studio

371 Intermediate Graphic Design (3)
Study of typography's interface with drawing and photography through contemporary modes of visual communication Readings, research, and discussions on critical thinking and aesthetic theory PREQ 270, 370, or permission of instructor 6 Studio

372 Introductory Photography (3)
Camera operation, film processing, and darkroom printing combined with classroom critiques, emphasis on historical and current trends of black and white photography 6 Studio

373 Illustration (3, R6)
Focus on the development of concepts through methods of visual expression as a means of communicating ideas, problem-solving approaches with an emphasis on drawing, painting, color, and other modes of illustration PREQ 131 6 Studio

374 Introductory Typography (3)
Comprehensive analysis of letter forms, structural arrangements and expressions through computer generated and traditional typographic procedures, emphasis on theoretical and practical aspects of applied typography 6 Studio

379 (ANTH 379) Cherokee Arts and Crafts (3)

389 Cooperative Education in Art (1 or 3, R15) See Cooperative Education Program

416 Contemporary Art (3)
Contemporary directions in the visual arts since 1945, emphasis on trends during the past five years PREQ 137 or permission of instructor

433 Advanced Painting (3, R6)
Emphasis on the exploration of abstract or figurative modes of painting and critical thinking within a contemporary context PREQ 333 6 Studio
434 Advanced Printmaking (3, R6)
Study of selected printing media through independent, self-directed projects under faculty supervision  PREQ 334  6 Studio

440 Advanced Drawing (3, R6)
Perceptual and conceptual drawing design problems, emphasis on a drawing project augmented by discussion, readings, and critique  PREQ 330  6 Studio

443 Advanced Sculpture (3, R6)
Emphasis on exploration of sculptural materials and critical thinking within a contemporary context  PREQ 342  6 Studio

451 Advanced Ceramics (3, R6)
Emphasis on personal direction, critiques of current work, reading in history and criticism  PREQ 351  6 Studio

459 Intermediate Book Arts (3, R6)
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 extruded final project  PREQ 234, 356  6 Studio

460 Computer Graphics Practicum (3, R6)
Production and experimentation with computer-generated imagery and investigation of software programs  6 Studio

463 Art Methods for the Middle and High School (3)
Curriculum planning, exploration of suitable art media and methods for teaching art to diverse populations at the middle and high school level  PREQ 263, 365, admission to the teacher education program  Field experience required  6 Studio

470 Package Design (3)
Fundamentals of package design and construction, use of materials, methods, and graphic procedures, experimentation, investigation, and critical interpretation of two- and three-dimensional forms  PREQ 370 or permission of instructor  6 Studio

471 Advanced Graphic Design (3)
Emphasis on personal exploration of materials and methods related to visual communications  PREQ 371  6 Studio

472 Intermediate Photography (3, R6)
Emphasis on personal direction and advanced technical problems  PREQ 372 or permission of instructor  6 Studio

474 Portfolio (3)
A portfolio of creative work formulated and executed by the student with instructor supervision, required of all students concentrating in graphic design, available to all studio majors  PREQ  Permission of instructor  6 Studio

475 Intermediate Typography (3, R6)
Emphasis on personal directions and advanced technical problems applied to typographic expression  PREQ 132, 370, 371, 374  6 Studio

476 Advanced Photography (3, R6)
Emphasis on personal interpretation and advanced technical solutions to guided projects  PREQ 472 or permission of instructor  6 Studio

480 Experimental Studio (3, R6)
Theoretical and conceptual issues and modes of making art relevant to the contemporary or post-studio artist  PREQ  Permission of instructor  6 Studio

482 Independent Study in Art History (1-6, R6)
PREQ Submitted proposal must be approved by instructor
483 Art Internship (3, 3, 3)
484 Directed work experience in a professional design studio
485 PREQ Permission of instructor 9 hours per week per course

486 Exhibition Practicum (3)
Organizational, administrative, and operational structures of an art gallery and museum, including the introduction of planning, curating, and installing professional art exhibitions

493 Topics in Art (1-4, R12)
PREQ Permission of instructor

494 Art Honors Studio (3, R6)
Honors studio for seniors culminating in exhibition of a body of work demonstrating commitment to quality and productivity PREQ Permission of instructor 6 Studio

495 Art History Seminar (3, R6)
Detailed study of a topic in art history or criticism PREQ Permission of instructor, senior standing

Graduate Courses
531 Drawing Problems (3, R6) 633 Graduate Painting (3, R9)
532 Design Problems (3 R6) 634 Graduate Printmaking (3, R9)
533 Painting Problems (3 R6) 644 Graduate Sculpture (3, R9)
534 Printmaking Problems (3, R6) 651 Graduate Ceramics (3, R9)
544 Sculpture Problems (3, R6) 652 Graduate Jewelry (3, R9)
551 Ceramics Problems (3, R6) 653 Graduate Weaving (3, R9)
553 Weaving Problems (3, R6) 666 Photography Problems (3, R6)
564 Art Education Problems (3, R6) 667 Graduate Photography (3, R9)
582 Independent Study in Art History (1-6) 680 Independent Study in Art Education (3, R6)
586 Exhibition Practicum (3) 681 Graduate Problems in Art (3)
593 Topics in Art (1-4 R7) 682 Independent Study in Art History (1-6)
596 Art History Seminar (3) 696 Graduate Seminar in Art History (3, R6)
597 Seminar in Contemporary Art (3) 697 Seminar in Art Education (3 R6)
631 Graduate Drawing (3, R9) 699 Thesis (3)
632 Graduate Design (3 R9) 979 Continuing Research - Non-Thesis Option (1, R10)
682 Independent Study in Art History (1-6) 999 Continuing Research - Thesis Option (2, R24)

Arts and Sciences Interdisciplinary Courses (ASI)

100 Introduction to American Culture (3)
Survey of contemporary American culture basic history, geography, cultural characteristics, and customs PREQ International student or permission of instructor COREQ ENGL 131 or permission of instructor

108 (308) The Ancient and Medieval Experience (3)
Exploration of relationships of ideas, art, and philosophy in the historical context of antiquity, the Greco-Roman world, and the middle period PREQ ENGL 102 (P3a)

230 Introduction to Women's Studies (3)
Introduction to a variety of disciplinary perspectives as they affect the status and roles of women in society

250 Introduction to Appalachian Studies (3)
Interdisciplinary examination of Appalachia's culture, history, creative traditions, and natural environment to illuminate current issues Field trips, projects, guest lectures

293 Special Topics (1-4, R6)

300 University Forum for Contemporary Issues (1, R6)
Issues, problems, and developments of current interest presented by faculty and, occasionally, visiting scholars S/NC grading

393 Special Topics (3, R12)
450 Appalachian Studies Seminar (3)
Field-based, interdisciplinary capstone seminar of Appalachia's culture, history, creative traditions, and natural environment to illuminate current issues. Field trips, projects, guest lectures. PREQ 250 and permission of instructor.

493 Topics in American Studies (3, R6)
Seminar on particular facets of American culture such as literature and art, philosophy and politics, and folklore and society.

494 Topics in Cherokee Studies (3, R6)
Various topics in Cherokee studies such as anthropology, history, sociology, and literature. Juniors will not be allowed to enroll in this course. PREQ Permission of instructor.

Graduate Courses
593 Topics in American Studies (3, R6)
594 Topics in Cherokee Studies (3, R6)

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) (P2)

301 Modern Astronomy (3)
Techniques of measurement and research. PREQ 230. 2 Lecture, 1 Lab.

Graduate Courses
601 Astronomy for Teachers (3)

Biology (BIOL)

101 Biology in the Contemporary World (3-4)
Concepts derived from cellular, organismic, ecological, evolutionary, and cultural perspectives to develop awareness of the human condition. 3 Lecture, 2 Lab (lab is optional) (P2)

108 Recreational Botany (1)
Identification of native plants on campus and in the field using popular plant guides, derivation of plant names, food and medicinal uses of plants. Two Saturday hikes required. 2 Field (F5)

130 General Botany (4)
Diversity in plants, structure, phylogeny, classification, life histories, and aspects of the physiology of algae, fungi, bryophytes, and vascular plants. 3 Lecture, 3 Lab.

131 General Zoology (4)
Evolutionary relationships, functional morphology, physiology, and natural history of the major groups of animals. Dissections and other lab exercises emphasize functional morphology. 3 Lecture, 3 Lab.

132 Human Genetics in Society (3)
Study of inheritance and development of human characteristics and the relationship of genetics to society. PREQ 101 or permission of instructor.

133 Environmental Biology (3)
Ecosystem function in relation to human activities. Energy, biogeochemical cycles, population dynamics, evolution, biodiversity, and extinction in relation to human population growth, resource use, and impact on the environment.

134 Human Biology (3-4)
Introduction to cell biology, genetics, and human systems biology. 3 Lecture, 2 Lab (lab is optional).
140 **Principles of Biology I (4)**  
Introduction to biology for majors  
Basic cell structure and function, bioenergetics,  
introduction to genetics and molecular biology, evolutionary processes  
COREQ 140 lecture and 140 lab  
3 Lecture, 3 Lab (Lecture-3 credits, Lab-1 credit) (Lab is required)

141 **Principles of Biology II (4)**  
Second course for biology majors  
Evolutionary patterns (Monera, Protista, Fungi,  
Plants, and Animals), introduction to plant and animal physiology, organismic interac-  
tions (Behavior, Ecology)  
PREQ 140  
COREQ 141 lecture and 141 lab  
3 Lecture, 3 Lab (Lecture-3 credits, Lab-1 credit) (Lab is required)

213 **Techniques of Biological Photography (3)**  
Basic techniques in photographic theory as applied to scientific documentation empha-  
sizing photomacrography, photomicrography, and field techniques  
Two required Saturday field trips  
1 Lecture, 6 Lab

251 **Natural History of the Southern Appalachians (4)**  
Interdisciplinary study of this unique environment, on-site studies, scheduled pack trips  
PREQ 141  
2 Lecture, 6 Lab

254 **Dendrology (4)**  
Structure, distribution, identification, and economic uses of major forest trees of the  
United States, emphasis on regional species  
2 Lecture, 6 Lab/field

291 **Human Anatomy and Physiology (4, 4)**  
The skeletal, muscular, digestive, circulatory, respiratory, excretory, integrative, and  
reproductive systems  
PREQ Completion of 24 semester hours  
3 Lecture, 3 Lab

304 **General Ecology (3)**  
Ecosystem and population processes, pathways of energy and materials, interactions  
between organisms and populations and human role in the biosphere  
COREQ 141 or permission of instructor  
2 Lecture, 3 Lab (Lecture-2 credits, Lab-1 credit) (Lab is required)

305 **Genetics and Evolution (3)**  
Processes on inheritance and evolution from the molecular to the population level,  
experiments with various organisms and analysis of sample data illustrating principles  
of genetics  
COREQ 305 lecture and 305 lab  
2 Lecture, 3 Lab (Lecture-2 credits, Lab-1 credit) (Lab is required)

311 **Animal Physiology (2)**  
Principles of homeostasis, cell and tissue communication systems, contractility, respi-  
ration, excretion, and metabolism in animals  
PREQ BIOL 141 and CHEM 140

313 **Microbiology in Health and Nutrition (3)**  
Morphological, cultural, biochemical, and staining characteristics of microorganisms,  
emphasis on those that infect man and occur in water, food, and dairy products  
PREQ Permission of instructor  
2 Lecture, 3 Lab

315 **Introduction to Plant Physiology (1)**  
Introduction to plant metabolism, conduction, development, and defense mechanisms  
PREQ BIOL 141 and CHEM 140  
1 Lecture, 1 Lab

333 **Cell and Molecular Biology (3)**  
Viral, prokaryotic, and eukaryotic cell structure, DNA structure and replication, RNA  
and protein synthesis, control of gene expression  
Structure and function of specific cell types  
COREQ 333 lecture and 333 lab  
2 Lecture, 3 Lab (Lecture-2 credits, Lab-1 credit) (Lab is required)

361 (CHEM 361) **Principles of Biochemistry (3)**

373 **Invertebrate Zoology (4)**  
Morphology, physiology, behavior, ecology, and evolution of invertebrates  
PREQ 141  
2 Lecture, 6 Lab
374 Vertebrate Zoology (4)
Morphology, physiology, behavior, ecology, and evolution of vertebrates  
PREQ 141 or permission of instructor  
2 Lecture, 6 Lab

389 Cooperative Education in Biology (1 or 3, R15) See Cooperative Education Program

413 Principles of General Microbiology (2)
Survey of microorganisms emphasizing morphology, physiology, immunology, and ecology, microorganisms and disease, environmental and applied microbiology  
Not open to students with credit in 313

414 Methods of General Microbiology (2)
Microscopy, morphological, cultural, physiological, and serological characteristics of microorganisms, microbiology of food, milk, water, and soil  
COREQ 413  
6 Lab

415 Plant Physiology (4)
Aspects of plant metabolism, water relationships, transport, development, and defense mechanisms  
PREQ BIOL 141 and CHEM 140  
3 Lecture, 3 Lab

416 Plant Molecular Biology (3)
Molecular aspects of plant development  
Examination of the structure, expression and function of genes involved in the flowering plant life cycle, including genes controlling embryogenesis, vegetative growth, plant-pathogen interaction, and reproduction  
PREQ 333 or equivalent

417 Biochemistry (3)
The metabolism of carbohydrates, lipids, nucleic acids, and proteins in plant and animal systems  
PREQ BIOL 304, 305 and CHEM 242, 272, or permission of instructor

419 Cell Biology (4)
Structure and function, techniques for the study of cells  
PREQ 333  
3 Lecture, 3 Lab

425 Flora of the Southern Appalachians (4)
Taxonomy of the flowering plants of the region, family relationships, use of keys for identification, collection, documentation, and preservation of specimens  
One weekend field collecting trip  
PREQ 141  
2 Lecture, 6 Lab/field

434 Terrestrial Ecology (4)
Population, ecosystem, community structure, and dynamics, major North American biomes, field and descriptive methods, required weekend field trips  
PREQ 304 and 305  
2 Lecture, 6 Lab/field

435 Aquatic Ecology (4)
Biological, physical, and chemical components and processes in lakes and streams, field studies of local lakes and their biota  
PREQ 304  
2 Lecture, 6 Lab

443 Evolutionary Processes (3)
Mechanisms of evolution, emphasis on current research and hypotheses such as group and kin selection, r and K selection, and sympatric speciation  
PREQ 304 and 305

451 Biology of Fungi (4)
Slime molds and true fungi  
Life histories, morphology, host-parasite relationship, fine structure, and phylogeny  
PREQ 141

452 Plant Anatomy (4)
Plant cells, tissue organization in phylogenetic perspective, botanical microtechniques  
PREQ 141  
3 Lecture, 3 Lab

453 Principles of Systematics (4)
Principles and methods used in describing animal and/or plant taxa and in testing hypotheses of evolutionary relationship, individual research projects on the systematics of selected taxa  
PREQ 305  
3 Lecture, 3 Lab
455 Vascular Plants (4)
Biology of higher plants: club and small club mosses, quill worts, scouring rushes, ferns, gymnosperms, and angiosperms in living and fossil form. PREQ 141 3 Lecture, 3 Lab

457 Biology of Algae (4)
Life history, structure, reproduction, and phylogeny of the algae. PREQ 141 3 Lecture, 3 Lab

466 Aquaculture (1)
Commercial practices for the intensive production of fish, review of the elements involved in aquaculture systems with examples of aquatic farming and examination of problems related to industry. PREQ 141 and 304, or permission of instructor

467 Biostatistics (3)
Statistical concepts and methods for biologists. Design of experiments for computer analysis by ANOVA, single or multiple regression, principal components. An elementary statistics course is recommended. 2 Lecture, 2 Lab

470 Biology of Arthropods (4)
Functional morphology, physiology, natural history, and systematics of the arthropods, field/lab emphasis on spiders. PREQ 141 2 Lecture, 6 Lab

471 Animal Behavior (4)
Mechanisms, development, functional significance, and evolution of behavior, individual research projects, films, and discussions in lab. PREQ 141 or permission of instructor 3 Lecture, 3 Lab

475 Animal Development (4)
Development in animals, gametogenesis, fertilization, cleavage, gastrulation, organogenesis, embryonic adaptations, differentiation, and growth. PREQ 304 and 305 3 Lecture, 3 Lab

476 Contemporary Fisheries (3)
Biological concepts and alternative management practices involved in the protection, conservation, restoration, augmentation, and cultivation of fisheries resources. PREQ 141 and 304, or permission of instructor 2 Lecture, 2 Lab

478 Histology (4)
Vertebrate microscopic anatomy, emphasis on mammals, study of microscopic slides. PREQ 333 2 Lecture, 6 Lab

480 Research in Biology (2, R6)
PREQ Junior standing, permission of research director

493 Studies in Biology (1-6, R12)
PREQ Permission of department head

495 Introduction to Senior Thesis (1)
Designed to introduce experimental design and assist in selection of a senior thesis project. PREQ Permission of department head

496 Senior Seminar (1)
PREQ 140, 141, 304, 305, and 333, or permission of instructor

498 Senior Thesis I (2)
Directed research conducted in the first semester of the senior year. PREQ Permission of department head

499 Senior Thesis II (1)
Senior thesis and oral presentation following completion of directed undergraduate research. PREQ 498
Graduate Courses

513 Principles of General Microbiology (2)  
514 Methods of General Microbiology (2)  
515 Plant Physiology (4)  
516 Plant Molecular Biology (3)  
517 Biochemistry (3)  
519 Cell Biology (4)  
525 Flora of the Southern Appalachians (4)  
534 Terrestrial Ecology (4)  
535 Aquatic Ecology (4)  
543 Evolutionary Processes (3)  
551 Biology of Fungi (4)  
553 Principles of Systematics (4)  
555 Vascular Plants (4)  
557 Biology of Algae (4)  
566 Aquaculture (1)  
567 Biostatistics (3)  
570 Biology of Arthropods (4)  
571 Animal Behavior (4)  
576 Contemporary Fisheries (3)  
578 Histology (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)  
979 Continuing Research - Non-Thesis Option (1, R10)  
999 Continuing Research - Thesis Option (2, R24)

Birth-Kindergarten (BK)

260 Foundations of Child Study (3)  
Childhood in western culture from a multidisciplinary perspective. Emphasis on the philosophical roots of the early childhood model and its role in educational reform

361 Environments for Young Children (3)  
The physical, emotional, and social environment suitable for young children, room arrangement, scheduling, space utilization, and teacher-child interaction

366 (SPED) Infant Curriculum (3)  
Scope and sequence of developmental curricula in all areas of infant development and learning, methods of providing individual and group intervention through a variety of formats  2 Lecture, 3 Lab  PREQ CDFR 360

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

470 (EDEL, SPED) Early Childhood Curriculum (3)  
Materials, environments, and interactions for 2-5 year olds in all curricular areas including thinking and social problem-solving for typical and atypical children  2 Lecture, 3 Lab  PREQ  366

483 (SPED) Internship I (4, R8)  
Observing, planning, teaching, and evaluating young children in typical and atypical settings  COREQ  BK 496

488 (EDEL, SPED) Internship II (3, R9)  
Observing, planning, teaching, and evaluating young children in typical and atypical settings

496 (EDEL, SPED) Internship Seminar (1, R3)  
The interrelationships of theory and practice in the context of experience  COREQ  BK 491

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
204 Oral Communication (3)
Oral communication theory and practice  PREQ ENGL 101  (F3)

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

404 Strategic Management (3)
Capstone course integrating all aspects of the business core curriculum using case method, term projects, and/or computer simulations  PREQ All other business core courses

493 Topics in Business Administration (1-6, R6)
PREQ Permission of the dean

Graduate Courses

500 Accounting for Management Analysis (3)  589 Cooperative Education Experience (3)
505 Economics and Public Policy (2-3 R5)  593 Current Topics in Business Administration (1-3, R4)
510 Information Systems and Statistical Methods (2, R4)  693 Topics in Business Administration (3, R6)
515 Management, Marketing, and Legal Issues (2, R6)  979 Continuing Research - Non-Thesis Option (1, R10)

Business Law (Law)

105 Law and Society (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  (P1a)

141 (321) Legal Thought, Reasoning, and Implications (3)
Analysis, synthesis, and integration of law and the contemporary legal system through the study of the court’s thinking, reasoning, and expression

205 (325) Legal Issues and Institutions (3)
Social change through the legal environment, legal institutions in various cultures, impact on other social institutions, interpretation, and analysis of interrelationships  (P1b)

230 Legal Environment of Business (3)
Social responsibility of business, ethics, legal concepts, and legislation and administrative decisions having an impact on business

302 Legal Research and Contemporary Legal Problems (3)
Research and study of the relationship of law to the structure of society, study of prominent court decisions reflecting changes dictated by societal movements and civil litigation  PREQ 230

303 Consumer Protection (3)
General products liability laws, federal and state legislation and consumer credit and reporting

306 Women and the Law (3)
The study of the legal history of issues relating to women, case-law and legal precedent,
statutory and constitutional law, and current legal issues surrounding women  PREQ Junior standing

315 Athletics and the Law (3)
Legal issues and litigation affecting sports

320 Multinational Corporate Law (3)
Problems of multinational corporations in the international legal environment  PREQ 230 or permission of instructor

331 Business Transactions I (3)
Law of contracts, commercial paper, security interests in property, and The Uniform Commercial Code

332 Business Transactions II (3)
Business organizations, agency law, government regulations, legal liability, and bankruptcy  PREQ 331

389 Cooperative Education in Business Law (1 or 3, R15) See Cooperative Education Program

402 Hospitality Law (3)
Legal issues and litigation affecting the hospitality industry  PREQ 230

403 Property and Estates (3)
Legal aspects of buying and selling real estate, federal and state taxation, and estate planning and administration

405 Rights of the Individual (3)
Philosophical and historical aspects of individual rights, and interpretation of constitutional provisions as applied by courts in public, private, and business situations

406 Media Law (3)
Study of legal issues which affect the media, defamation, privacy rights, advertising regulation, indecent speech, broadcast programming, and press coverage of the administration of justice

410 Witnesses and Evidence (3)
Persuasion, evidence, and presumptions, introduction and exclusion of evidence, examination, opinions, and competency of witnesses, testimonial and constitutional privileges, pretrial communications, real, scientific, and hearsay evidence

412 Business Ethics and Corporate Social Responsibility Theories (3)
Ethical theory and decision making in the market, corporation as a moral agent, ethics as a component in strategic decision making, and government regulations and fiduciary obligations  PREQ Junior standing

415 Legal Aspects of Business Management (3)
Comprehensive study of legal considerations in developing and managing a business

440 Labor Law (3)
Legal aspects of industrial relations, arbitration, bargaining, strikes, and labor practices, mediation and conciliation of employment disputes

480 Independent Research in Business Law (3)
PREQ Business law major, permission of department head

483 Internship in Business Law (3, 3, 3)
Supervised experience in applications of previously studied theory  S/U grading

484 PREQ Junior standing, 2.0 GPA, permission of department head Minimum of 10 hours per week
Graduate Courses

630 International Law (3)
693 Topics in Business Law (1-3, R6)
695 Seminar in Business Law (3)

Chemistry (CHEM)

101 Chemistry in Society (3-4)
Introduction to chemistry emphasizing the impact of chemistry and scientific reasoning on society  3 Lecture, 2 Lab (optional)  (P2)

132 Introductory Chemistry (4)
Basic chemistry, atomic structure, chemical bonding, stoichiometry, acid/base, lab introduction to experimentation  3 Lecture, 2 Lab

133 Survey of Organic and Biochemistry (4)
Survey of the major functional classes of compounds in organic and biochemistry, including structure and nomenclature, chemical and physical properties, and common uses  PREQ 132 or 140  3 Lecture, 2 Lab

140 Advanced General Chemistry (4)
Bonding, thermochemistry, equilibria, acid/base principles, kinetics, and redox chemistry Laboratory uses an inquiry based approach  PREQ High school chemistry and placement into MATH 145 or 146

171 Inquiries Into Chemistry (1)
A discovery-based laboratory featuring guided inquiries into chemistry using current technologies  PREQ 140, permission of instructor or department head  3 Lab

232 Quantitative Analysis (4)
Theory and practice of methods to quantitatively determine chemical compounds, including equilibria, titrations, redox reactions, and spectrophotometry  PREQ CHEM 140, MATH 146 or equivalent  2 Lecture, 6 Lab

241 Organic Chemistry I (3)
Aliphatic and aromatic compounds of carbon, relationships between structure and reactivity  PREQ 140

242 Organic Chemistry II (3)
Continuation of 241, introductory theory of instrumentation and applications of spectral methods in structure determination  PREQ 241

272 Organic Chemistry Lab (2)
Synthetic organic techniques and contemporary methods of analysis including NMR, FT-IR, and GC  PREQ 242  6 Lab

311 Industrial Chemistry (3)
Processes, operations, marketing, and management in chemical manufacturing  PREQ 242, 370

321 Inorganic Chemistry (3)
Physical and chemical properties of the elements and their compounds, emphasis on chemical reactions  PREQ 241

330 Aquatic Chemistry (2-3)
The sources, reactions, transport and effects of chemical species in water  Topics include phase interactions, aquatic microbial biochemistry, water pollution and treatment  PREQ 133 or 241  2 Lecture, 3 Lab  (Lab is not available to chemistry majors)

352 Physical Chemistry I (3)
Introduction to chemical thermodynamics and kinetics  PREQ 242, MATH 140 or 153
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Prequisites</th>
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<tbody>
<tr>
<td>BIOL 361</td>
<td>Principles of Biochemistry (3)</td>
<td>Structures and properties of biomolecules, central principles of metabolism</td>
<td>PREQ 242</td>
</tr>
<tr>
<td>370</td>
<td>Instrumental Analysis I (3)</td>
<td>Introduction to instrumental methods, including gas and liquid chromatography,</td>
<td>PREQ 140</td>
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<td>atomic, ultraviolet/visible, infrared, and fluorescence spectroscopy, and</td>
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<td>photometric methods</td>
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<td>371</td>
<td>Chemical Dynamics (2)</td>
<td>Measurements and data treatment of the dynamics (e.g., kinetics, thermodynamics) of chemical systems</td>
<td>PREQ 370 6 Lab</td>
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<tr>
<td>372</td>
<td>Chemical Syntheses (2)</td>
<td>Multistep synthesis of inorganic and organic compounds</td>
<td>PREQ 370 6 Lab</td>
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<td>370</td>
<td>Instrumental Analysis I (3)</td>
<td>Introduction to instrumental methods, including gas and liquid chromatography,</td>
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<td>371</td>
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<td>Measurements and data treatment of the dynamics (e.g., kinetics, thermodynamics) of chemical systems</td>
<td>PREQ 370 6 Lab</td>
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<td>Chemical Syntheses (2)</td>
<td>Multistep synthesis of inorganic and organic compounds</td>
<td>PREQ 370 6 Lab</td>
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<tr>
<td>380</td>
<td>Research in Chemistry (2, R8)</td>
<td>Chemical research projects for individual students</td>
<td>PREQ 25 GPA in major and</td>
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<td>permission of instructor</td>
<td>6 Lab</td>
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<tr>
<td>389</td>
<td>Cooperative Education in Chemistry (1 or 3, R15)</td>
<td>See Cooperative Education Program</td>
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<tr>
<td>421</td>
<td>Advanced Inorganic Chemistry (3)</td>
<td>Survey of structure and bonding in inorganic compounds, acid-base theory,</td>
<td>PREQ 321 and 352 COREQ 453</td>
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<td>coordination complexes of transition metals and fundamentals of crystal-field</td>
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<td>and ligand-field theory</td>
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<td>432</td>
<td>Instrumental Analysis II (3)</td>
<td>Theory and practice of modern chemical instrumentation, electrochemistry,</td>
<td>PREQ 370 PREQ or COREQ 352</td>
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<td></td>
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<td>spectroscopic methods, and nuclear techniques</td>
<td>2 Lecture, 3 Lab</td>
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<tr>
<td>441</td>
<td>Advanced Organic Chemistry (3)</td>
<td>Synthetic methods and mechanistic study to include selected topics</td>
<td>PREQ 242 370</td>
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<td>emphasizing the relationships between structure and reactivity</td>
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<td>442</td>
<td>Introduction to Organic Polymers (3)</td>
<td>Linear and cross-linked polymers and selected topics emphasizing</td>
<td>PREQ 370</td>
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<td>relationships between structure and properties</td>
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<tr>
<td>453</td>
<td>Physical Chemistry II (3)</td>
<td>Quantum mechanics, introduction to molecular spectroscopy and applications</td>
<td>PREQ 352  MATH 255  PHYS 230 COREQ</td>
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<td>of thermodynamics</td>
<td>421</td>
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<tr>
<td>454</td>
<td>(PHYS 454) Computer Interfacing (3)</td>
<td>Digital logic, computer design and interfacing with laboratory instruments</td>
<td>PREQ Permission of instructor</td>
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<td></td>
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<td>2 Lecture, 3 Lab</td>
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<tr>
<td>461</td>
<td>Environmental Chemistry (4)</td>
<td>Sources, reactions, transport, effects, and fates of chemical species in</td>
<td>PREQ 352</td>
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<td></td>
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<td>water, soil, air, and living environments</td>
<td>3 Lecture, 3 Lab</td>
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<tr>
<td>493</td>
<td>Topics in Chemistry (1-3, R6)</td>
<td>PREQ Junior standing and permission of department head</td>
<td>1-3 Lecture, 6-0 Lab</td>
</tr>
<tr>
<td>495</td>
<td>Seminar in Chemistry (1, R4)</td>
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<td>2 Seminar</td>
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### Graduate Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Notes</th>
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<tbody>
<tr>
<td>532</td>
<td>Instrumental Analysis I</td>
<td>3</td>
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<td>541</td>
<td>Advanced Organic Chemistry</td>
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<td>542</td>
<td>Introduction to Organic Polymers</td>
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<td>553</td>
<td>Physical Chemistry II</td>
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<tr>
<td>554</td>
<td>Computer Interfacing</td>
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<td>561</td>
<td>Environmental Chemistry</td>
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<td>589</td>
<td>Cooperative Education in Chemistry (3, R6)</td>
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<td>593</td>
<td>Topics in Chemistry (1-3, R6)</td>
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<td>621</td>
<td>Graduate Inorganic Chemistry</td>
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<td>552</td>
<td>Graduate Physical Chemistry</td>
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<td>591</td>
<td>Topics in Chemical Education (1-3, R9)</td>
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<td>Topics in Inorganic Chemistry (3, R6)</td>
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<td>Topics in Analytical Chemistry (3 R6)</td>
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<td>Topics in Organic Chemistry (3, R6)</td>
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<td>596</td>
<td>Seminar (1, R3)</td>
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<td>622</td>
<td>Research in Chemistry (3, R15)</td>
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<td>624</td>
<td>Thesis (3, R9)</td>
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<td>694</td>
<td>Topics in Inorganic Chemistry (3, R6)</td>
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<td>695</td>
<td>Topics in Physical Chemistry (3, R6)</td>
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<td>696</td>
<td>Seminar (1, R3)</td>
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<td>698</td>
<td>Research in Chemistry (3, R15)</td>
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<td>699</td>
<td>Thesis (3, R9)</td>
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<td>700</td>
<td>Continuing Research - Non-Thesis Option (1, R10)</td>
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<td>701</td>
<td>Continuing Research - Thesis Option (2, R24)</td>
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### Cherokee (CHER)

101 Cherokee Language and Culture (3)
   Elements of understanding, speaking, reading, and writing Cherokee, concepts of grammar and culture (P3a)

132 Elementary Cherokee II (3)
   Continued audio-lingual practice of basic imperatives, idioms on the imperative stem, verbs of motion and locational, 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

### Child Development and Family Relations (CDFR)

389 Cooperative Education in Child Development (1 or 3, R15) See Cooperative Education Program

480 Independent Study (1-3, R6) PREQ Permission of instructor

493 Special Topics (1-3, R6)
   Current topics in child and family development

### Child and Family Studies (CFS)

261 Family Dynamics (3)
   Interdependence between cultural values and diverse family systems in the development and function of family units

360 Infancy (3)
   Infant development during the first twenty-four months, dynamics of infant-teacher and infant-parent interaction emphasized for typical and atypical children

363 Child Development (3)
   Physical, emotional, social, and mental development from birth through middle childhood. 2 Lecture, 2 Lab

467 Perspectives in Parenting (3)
   Effective child-rearing skills, review of current theories, research, and model parenting programs
468 Family Interpersonal Relationships (3)
Family organization and function, the family life cycle and areas of adjustment. PREQ 261 or permission of instructor

Graduate Courses
565 Day Care Management (3)
567 Parent Education (3)
568 Families Organization and Function (3)
569 Family Gerontology (3)
560 Child and Family Development (3)
661 Contemporary Family Systems (3)
693 Topics in Child and Family Studies (1-3, R6)

Chinese (CHIN)
131 Beginning Chinese I, II (3, 3)
132 Elements of understanding, speaking, reading, and writing Chinese, concepts of grammar, lab practice required. 3 Lecture, 1 Lab

Clinical Laboratory Sciences (CLS)
275 Introduction to Clinical Laboratory Science (1)
Introduction to the profession for those planning a career in medical technology, emphasis on accreditation, certification, ethics, and job analysis

300 Microscopy/Phlebotomy (1)
Electronics, optics, and principles of light applied to lab instrumentation, trouble shooting and preventive maintenance, and blood collection and specimen handling. PREQ Admission to CLS sequence. 2 Lab

301 Analysis of Body Fluids (3)
The physiology and microscopic-chemical examination of urine, spinal fluid, semen, and gastric constituents. PREQ Junior standing in CLS. 2 Lecture, 3 Lab

303 Basic Hematology (3)
Formation and function of cellular components of blood, hematological procedures, and coagulation. PREQ Admission to CLS sequence. 2 Lecture, 3 Lab

304 Immunology (3)
Host-parasite relationships, formation and function of antibodies, the immune responses in disease processes. 2 Lecture, 3 Lab

305 Clinical Parasitology (2)
Medically important protozoans, cestodes, trematodes, and nematodes encountered in the laboratory. PREQ Junior standing in CLS. 1 Lecture, 3 Lab

306 Immunohematology (4)
The study of blood component therapy. PREQ 303, 304, CLS major. 2 Lecture, 4 Lab

308 Advanced Hematology (3)
Hematological states involving classification of anemias, leukemias, enzyme deficiencies, platelet anomalies, and coagulation disorders. PREQ 303. 2 Lecture, 3 Lab

309 Clinical Biochemistry (3)
Clinical parameters measuring the biochemical makeup of body fluids and results of lab tests related to disease states. PREQ CHEM 361. 2 Lecture, 3 Lab

311 Basic Medical Microbiology (3)
Bacterial physiology as related to disease production, isolation and identification of organisms using current medical laboratory procedures. 2 Lecture, 3 Lab

312 Advanced Medical Microbiology (3)
Mechanisms of disease production of mycobacteria, viruses, fungi, and emerging pathogens, isolation and identification of specific organisms by traditional as well as molecular diagnostic methods. 2 Lecture, 3 Lab
389 Cooperative Education in Medical Technology (1 or 3, R12)
PREQ HSCC 389 See Cooperative Education Program

406 Laboratory Management (2)
Organization and administration of the clinical laboratory
PREQ CLS major
Lecture, 2 Lab

480 Independent Study (1-2)
PREQ Permission of instructor

485 Clinical Practicum in Urinalysis (2)
PREQ 301 6 Clinic

486 Clinical Practicum in Hematology (3-5)
PREQ 308 9-15 Clinic

487 Clinical Practicum in Blood Banking and Serology (3-5)
PREQ 306 9-15 Clinic

488 Clinical Practicum in Microbiology (3-5)
PREQ 302, 305, 307 9-15 Clinic

489 Clinical Practicum in Clinical Chemistry (3-5)
PREQ 309 9-15 Clinic

Clothing, Textiles, and Merchandising (CTM)

140 Fashion Analysis (3)
The aesthetic, functional, and economic aspects of fashion apparel creation and selection

141 Clothing Selection and Construction (3)
Principles and techniques, fitting, altering, and constructing commercial patterns
Lecture, 3 Lab

242 Textiles (3)
Construction, properties, recommended uses and care of fibers, yarns, and fabrics, applications to consumer purchasing and use of clothing and household textiles

243 Apparel Quality Analysis (3)
Analysis of apparel products with focus on quality, performance, and cost decisions relative to product development and production, specification for materials, components, assembly, and stitchology

245 Dynamics of the Fashion Industry (3)
Comprehensive survey of the scope and operation of the fashion industry

246 Fashion Buying and Merchandising (3)
Fundamentals for the successful merchandising of fashion goods
PREQ 245 or permission of instructor

340 Fashion in Retrospect (3)
Aesthetic, social, political, and economic influences on the development of apparel, application of design principles to modern fashion
PREQ 140 or permission of instructor

342 Apparel Production Processes (3)
Concepts and techniques of apparel production, including selection of fabric and other garment components, analysis of fit and construction processes used at various production levels
PREQ 242, 243 or permission of instructor
Lecture, 3 Lab
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>343</td>
<td>Tailoring (3)</td>
<td>Selection of patterns and fabrics, fitting commercial patterns and construction and pressing techniques. PREQ 141</td>
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<td>2 Lecture, 3 Lab</td>
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<tr>
<td>344</td>
<td>Fashion Design Fundamentals (3)</td>
<td>Applications of design principles in apparel manufacturing using flat pattern techniques. PREQ 140, 342, 2 Lecture, 2 Lab</td>
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<tr>
<td>346</td>
<td>Merchandising Apparel for Profit (3)</td>
<td>Principles and practices related to the planning and control of an apparel merchandising operation. PREQ 246, MATH 101 or equivalent, ACCT 161 or 251</td>
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<tr>
<td>347</td>
<td>Fashion Promotion (3)</td>
<td>Methods of promoting fashion merchandise and their interrelationship in the presentation of a fashion story. PREQ 246 or permission of instructor</td>
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<tr>
<td>389</td>
<td>Cooperative Education (1 or 3, R15)</td>
<td>See Cooperative Education Program</td>
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<tr>
<td>441</td>
<td>Textile and Apparel Economics (3)</td>
<td>Economic and social aspects of textile and apparel production, distribution, and use. PREQ 242, 243, 246, or permission of instructor, ECON 130</td>
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<tr>
<td>443</td>
<td>Cultural Aspects of Clothing (3)</td>
<td>Cultural factors influencing clothing habits of individuals and groups as related to their environment</td>
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<td>445</td>
<td>Fashion Product Analysis (3)</td>
<td>Value analysis of the composition of fashion and home-furnishing products. PREQ 242, 243, 347</td>
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<tr>
<td>446</td>
<td>Principles and Techniques of Fashion Retailing (3)</td>
<td>Case study approach to the operation and management of fashion business enterprises. PREQ 346, 347, MKT 301, MGT 300, or permission of instructor</td>
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<tr>
<td>480</td>
<td>Independent Study (1-3, R6)</td>
<td>PREQ Permission of instructor</td>
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<tr>
<td>483</td>
<td>Internship (3, 3, 3)</td>
<td>Integration of theory and practice in a setting appropriate to the student's career field</td>
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<td>484</td>
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<td>S/U grading 9 hours per week per course PREQ Permission of instructor, junior standing, 2.0 GPA and written application</td>
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<tr>
<td>493</td>
<td>Special topics (1-3, R6)</td>
<td>PREQ Permission of instructor</td>
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**Graduate Courses**

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<tbody>
<tr>
<td>545</td>
<td>Apparel and Home Furnishings Product Analysis (3)</td>
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<tr>
<td>546</td>
<td>Principles and Techniques of Fashion Retailing (3)</td>
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**Communication—Core (CMCR)**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>140</td>
<td>Introduction to Communication Media (3)</td>
<td>Survey of the history, function, and economics of the communication industry</td>
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<tr>
<td>150</td>
<td>Interpersonal Communication (3)</td>
<td>Basic theory and skills in interpersonal communication including gender, nonverbal, listening, and interviewing skills</td>
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<tr>
<td>250</td>
<td>Public Communication (3)</td>
<td>Basic principles of skills in public and group communication. PREQ ENGL 102</td>
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</table>
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, CIS 293 Beg Micro Applications or CS 130 3 Lecture, 2 Lab

350 Communication Theory (3)
Survey of theoretical genres used across communication disciplines  PREQ  140, 150

351 Communication Research (3)
This course is an introduction to the methods and practices of communication research
Students will be required to design and conduct a research project  PREQ  3 credits in statistics, CMCR 350

389 Cooperative Education in Communications (1 or 3, R 9)
See Cooperative Education Program  PREQ  Completed 60 hours and permission of department head

401 Editing for Communication Media (3)
Elements of critical thinking and analysis fundamental to the editorial process in communication media  PREQ  301 and 350 3 Lecture, 2 Lab

465 Communications Ethics and Responsibilities (3)
The legal and moral responsibilities of communicators in the communication industry
PREQ  90 or more hours

483 Internship in Communications (3, R9)
Work experience in the communication industry  S/U grading  PREQ  Completed 60 hours and permission of department head  9 hours per week, per 3-hour course

494 Communication Projects (1-3, R6)
Practical experience, performance, research in debate, forensics, film, electronic and print media  PREQ  Permission of instructor

496 Seminar in Professional Development (1)
The development and evaluation of professional credentials for entry into the communication industry

Communication—Electronic Media (CMEM)

351 Comparative Studies in Film/TV (3)
Evaluative study of the relationship between the film and television industries, historical perspectives, techniques and impact, emphasis on the language of video  PREQ  CMCR 301 or permission of instructor  3 Lecture, 2 Lab

352 Writing for Broadcast (3, R6)
Writing commercials, public service announcements, station promotions, and short educational/entertainment features for radio and television  COREQ  354 and 355  3 Lecture, 2 Lab

354 Radio Production I (3)
Practical course in production of radio commercials, public-service materials, and news actualities  PREQ  CMCR 301  COREQ  CMEM 352  2 Lecture, 2 Lab

355 Television Production I (3)
Producing and directing various television programs and productions, emphasis on studio operations  PREQ  CMCR 301  COREQ  CMEM 352  1 Lecture, 4 Lab

356 Electronic Media Law and Regulation (3)
This course is intended to help students understand the major issues and regulations facing the electronic media industry  PREQ  CMCR 301
450 Directing for the Camera (3)
The art of directing on-camera performances  PREQ 355 1 Lecture, 4 Lab

451 Advanced Studies in Film and Television (3)
Advanced studies in technical analysis and sociological impact of film and television
PREQ 351 or permission of instructor  3 Lecture, 2 Lab

454 Radio Production II (3)
Editing and related technical skills  PREQ 354 or permission of instructor  1 Lecture, 4 Lab

455 Television Production II (3)
Continuation of 355 and emphasis on field production, editing, and related technical/
creative skills  PREQ 355  1 Lecture, 4 Lab

456 Broadcast Operations (3)
Principles of management in radio, television, and cable at the local and network levels
PREQ 356

457 Radio and Television Programming (3)
Techniques of programming for AM, FM commercial, and FM educational radio,
educational and commercial television, cable and satellite operations  PREQ 354 or
355

458 Broadcast Sales and Promotion (3)
Introduction to the skills involved in selling broadcast time and broadcast promotions
PREQ 354 or 355

459 Broadcast News (3)
Finding sources of information, developing interview techniques, and writing news for
radio and television, emphasis on completing tasks under deadline conditions  PREQ
354 or 355 2 Lecture, 2 Lab

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 in interpersonal, small group, and public
communication (F3)  PREQ ENGL 101

300 Foundations of Oral Communication (3)
Required of any undergraduate who receives two oral competence condition (OCC)
marks

314 Professional Speaking (3)
Advanced principles of public communication skills as related to professional speaking
PREQ CMCR 250

411 Rhetorical Theory and Criticism (3)
Ancient and modern concepts and theories, and application to rhetorical acts

414 Gender Communication (3)
An examination of the communication behavior of women and men in different
contexts, existing communication differences dealing with self-perception, information
processing, verbal and nonverbal coding, images of women and men
415 Intercultural Communication (3)
Nature of intercultural communication, variables of both culture and communication, and the impact on intercultural communication in our ever-changing world.

Graduate Course
593 Selected Topics (3)

Communication Training and Development (CMTD)

315 Organizational Communication (3)
Channels of oral communication in complex organizations, and organizational influences on communication.

316 Communication Training and Development (3)
This course provides an introduction to the theory, methods, and techniques of communication training and development. PREQ 315 or permission of instructor.

412 Small Group Communication (3)
Techniques for participation in small groups, roles of group leader and participant, practice in problem-solving deliberation. PREQ 315 and 316 or permission of instructor.

413 Conflict Resolution (3)
Overview of the theories and applied techniques of conflict resolution, emphasis in acquiring specific conflict resolution skills in group, interpersonal, organizational, and intercultural contexts. PREQ 315 or permission of instructor.

493 Selected Topics in Communication Training and Development (3, R9)
Study in a special interest in communication training and development.

Communication—Print Media (CMPM)

302 Reporting of Public Affairs (3, R6)
Advanced reporting course on selected public affairs topics. PREQ CMCR 301.

303 Advertising and Public Relation Writing (3)
Writing persuasive messages for selected audiences in public relations, advertising and promotions, and mass media. PREQ CMCR 301.

304 Magazine and Feature Writing (3)
Writing feature material for newspapers and magazines. PREQ CMCR 301.

305 Sports Writing (3)
Fundamentals of sports reporting for print media. PREQ CMCR 301.

402 Print Media Production (3)
Layout, design, and production for print media. PREQ CMCR 350.

403 Association Communications (3)
The development and operation of effective communications programs for nonprofit organizations. PREQ CMCR 401.

404 Desktop Publishing (3, R6)
The use of personal computers and peripherals to produce publications and promotional materials. PREQ Permission of the instructor.

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. PREQ CIS 293 Beg Micro Applications

365 Public Relations Case Studies (3)
Analysis and critique of the theories, strategies and factors used in classic and contemporary public relations campaigns and programs. PREQ 360

460 Public Relations Campaigns (3)
Identification and analysis of organizational publics, the development of specific communication strategies to influence those publics, and the implementation and evaluation of those communication strategies. PREQ 360 PREQ or COREQ CMPM 404

493 Selected Topics in Public Relations (3, R9)
Study in a special area of interest in public relations. PREQ 360

Graduate courses

593 Selected Topics in Public Relations (3)

Communication—Theatre Arts (CMTA)

102 Theatre Production: Stagecraft (1)
Hands-on participation in the construction/painting of stage scenery. 4 Lab (F5)

103 Theatre Production: Costume (1)
Hands-on participation in the construction of stage costumes and accessories. 4 Lab (F5)

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. (P3b)

130 Makeup (1)
Application of stage makeup

131 Introduction to Theatre (3)
Survey of theatre profession for beginning majors and minors. 2 Lecture, 2 Lab

140 Acting I (3)
Introduction to the basic principles of acting

231 Stagecrafts I (3)
Introduction to theatre crafts and technology. PREQ 131. 2 Lecture, 2 Lab

270 Theatre Arts Workshops I (1-3, R6)
Practical experience performance crews in theatre productions. PREQ Permission of instructor. 3 lab per credit hour

300 Dramatic Literature and Criticism I (3)
Dramatic structure, interpretation, and evaluation of masterpieces, Greek period to 1700. PREQ 131
301 Dramatic Literature and Criticism II (3)
Dramatic structure, interpretation, and evaluation of masterpieces, 1700 to present
PREQ 300 or permission of instructor

330 Makeup II (1)
Three-dimensional makeup and mask building Project oriented, emphasis on portfolio preparation
PREQ 130 3 Lab

331 Stagecrafts II (3)
Continuation of CMTA 231 with emphasis on application to production
PREQ 131, 231

332 Introduction to Theatrical Design (3)
Principles and practices of design as applied to theatre Project oriented
PREQ 331

333 Scenic Technology (3)
Advanced theory and practice in technology associated with scenic construction, emphasis on preparation for supervision of a basic scene shop
PREQ 332

335 Lighting Technology (3)
Advanced theory and practices in technology associated with theatre lighting, emphasis on preparation for supervision of lighting crew
PREQ 332

337 Costume Technology (3)
Advanced theory and practice associated with costume construction, emphasis on preparation for supervision of a basic costume shop
PREQ 332

340 Acting II (3)
Introduction to character analysis and styles
PREQ 131, 140

341 Acting III (3)
Advanced scene work for theatre majors
PREQ 340

345 Acting for the Camera I (3)
The art of acting as it relates to the television/film environment
PREQ 140 or 340 2
Lecture, 2 Lab

346 Acting for the Camera II (3)
PREQ 345

350 Directing I (3)
Survey and practical application of the basic theories of play directing
PREQ 131, 140,
231

351 Directing II (3)
Directing colloquium production problems and solutions
PREQ 350

370 Theatre Arts Workshops II (1-3, R6)
Practical experience, performance, leadership portions of theatre productions
PREQ
Permission of instructor 3 lab per credit hour

389 Cooperative Education in Theatre Arts (1-3, R6)
See Cooperative Education Program
PREQ Completed 60 hours and permission of department head

400 History of the Theatre I (3)
The theatre in performance Origins and development of theatrical forms and style
through the study of acting, physical facilities, design, and the cultural milieu of the audience, Greek period to 1700  PREQ 12 hours in major

401 History of the Theatre II (3)
The theatre in performance  Origins and development of theatrical forms and style through the study of acting, physical facilities, design, and the cultural milieu of the audience, 1700 to present  PREQ 400

433 Scene Design (3)
Theory and practice in the design of stage scenery  Project oriented, emphasis on portfolio preparation  PREQ 333

435 Lighting Design (3)
Theory and practice in the design of stage lighting  Project oriented, emphasis on portfolio preparation  PREQ 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

441 Acting IV (3)
In-depth character analysis and application  PREQ 341

483 Internship in Theatre Arts (3, R9)
Work experience in the theatre industry  S/U grading  PREQ Completed 60 hours and/or permission of department head  9 hours per week per 3-hour course

486 Theatre Production (3, R12)
Intensive training in performance, design, or theatre technology  PREQ Permission of department head

493 Selected Topics in Theatre Studies (1-3, R9)
Study in a special area of interest in theatre

496 Seminar in Professional Development (1)
Seminar in career preparation for the emerging professional  PREQ Senior status

499 BFA Thesis (2)

Graduate Courses
586 Theatre Production (3)
593 Selected Topics in Theatre Arts (3)

Communication Disorders (EDCD)

270 Introduction to Communication Disorders (3)
Overview of speech-language-hearing disorders in children and adults

301 Speech and Language Development (3)
Speech and language development in normal children, survey of procedures and tools used to study language development and acquisition  PREQ 270 or equivalent

302 Communication Development and Disorders (3)
The developmental phases of content, form, and use of language, survey of techniques for use with language-disordered children, designed for nonmajors
320 The Clinical Process (3)
Orientation to the roles and responsibilities of clinicians in the practice of speech-language pathology and audiology PREQ 301, 370, 471, or equivalent

370 Phonetics (3)
Study of sound feature production, phonetic transcription PREQ 270 or equivalent

371 Articulation/Phonological Disorders (3)
The etiology, diagnosis, and treatment of articulation and phonological disorders PREQ 301, 370, 471, or equivalent

372 Speech Science (3)
Principles and concepts in speech production and perception, techniques for acoustic analysis PREQ 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

471 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

474 Voice Disorders (3)
The etiology, evaluation, and treatment of voice disorders PREQ 372, 471 or equivalent

476 Language Disorders in Children (3)
Analysis of childhood language disorders, evaluation and implementation of treatment approaches PREQ 301, 370, 471, or equivalent

478 Fluency Disorders (3)
Theory, diagnosis, and treatment of fluency disorders in children and adults PREQ 301, 370, 372, 471 or equivalent

485 Clinical Practicum in Communication Disorders (1, R2)
Supervised evaluation and intervention with persons exhibiting communication disorders PREQ 371, 476, or equivalent, and permission of clinical director, 25 hours of supervised observations of clinical experience

494 Topics in Communication Disorders (1-3, R6)
PREQ Permission of instructor

495 Seminar in School Practice (3)
Theory, policy, and procedures related to school-based practice PREQ 485 or permission of instructor

Graduate Courses
551 Sign Language I (3)
552 Sign Language II (3)
572 Aural Rehabilitation (3)
574 Voice Disorders (3)
576 Language Disorders in Children (3)
578 Fluency Disorders (3)
594 Topics in Communication Disorders (1-3, R6)
595 Seminar in School Practice (3)

675 Management of Communication Disorders (3)
676 Management of Orofacial Anomalies (3)
677 Dysphagia (3)
678 Augmentative Communication Systems (3)
679 Language Assessment and Intervention (3)
680 Communication Problems of the Aging (3)
682 Research in Communication Disorders (3)
683 Internship in Communication Disorders (1-3, R15)
### Computer Information Systems (CIS)

**251 Management Information Systems (3)**  
Management information systems in business organizations, analysis, development, design, implementation, and evaluation of computer-based information systems, computer applications in spreadsheets, word processors, and database systems

**256 Business Computer Programming (3)**  
Application of programming principles in business, flowcharting, coding, documentation, and testing, computer architecture and data representation  
PREQ 251

**258 Applications Development I (3)**  
An introduction to developing common business applications using a traditional business programming language  
Students will develop programs using batch processing techniques  
PREQ 256

**293 Topics in Computer Information Systems (1-3, R3)**

**301 Microcomputer Applications (3)**  
Maximum hands-on experience with microcomputers and software packages, including word processing, spreadsheets, database managers, and graphics systems

**304 Business Communications (3)**  
Application of written, oral, and interpersonal communication theory in business  
PREQ ENGL 102

**358 Applications Development II (3)**  
The study of state-of-the-art tools and techniques for developing complex business applications, data organization, on-line processing, software engineering, and software maintenance  
PREQ 258

**365 Computer Architecture, Communications, and Operating Systems (3)**  
Architecture of modern computer systems including peripherals, data communications and networking with fault-tolerant computing, language transition, operating systems software and utilities  
PREQ 258

**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 decision-making

**451 Operations Analysis and Modeling (3)**  
Simulation as a tool in commercial systems, random variate generation, normal and gamma distribution, time-domain deterministic and stochastic models, special-purpose languages  
PREQ 251, ECON 235

**453 Database Management Systems (3)**  
Study of database processing, design, implementation, and administration for business  
Students design and implement a database using current technology  
PREQ 258

**455 Computer Information Systems Analysis and Design (3)**  
Systems development, requirements analysis, cost/benefit justification, software design, implementation and maintenance procedures, quality assurance, and integration of information systems into management decision-making processes  
PREQ 453
Information Resource Management (3)
The strategic use of information systems in the business environment, responsibility and accountability of information resource managers, security, legal, and ethical issues, procurement and supervision of resources, resource assessment  COREQ 455

Small Business Computing (3)
Technology, software design, programming techniques, system design, and analysis related to mini- and microcomputers  PREQ 251

Independent Research in Information Systems (3)
PREQ CIS major, permission of department head

Internship in Information Systems (3, 3, 3)
Supervised experience using previously studied theory  S/U grading PREQ Junior standing, 2.0 GPA, written application, and permission of department head  Minimum of 10 hours per week

Topics in Information Systems (1-3, R6)
PREQ Permission of department head

Graduate Courses
651 Decision Support Systems (3) 661 Systems Design (3) 662 Database Management (3) 682 Research Project in Computer Information Systems (3, R6) 693 Topics in Information Systems (1-3 R6)

Computer Science (CS)

Computer Concepts (1)
Computer applications including hands-on experience with word processing, spreadsheets, database management, and graphics  (F4)

Introduction to Computing (3)
Computer Science overview use of applications, programming, hypertext development, topics from program translation, architecture, computer networks, artificial intelligence, and social implications

Problem Solving and Programming I (4)
Problem-solving and algorithm development using an object-based programming language classes, selection, iteration, arrays, and generic classes  PREQ or COREQ MATH 146 or equivalent  3 Lecture, 2 Lab

Problem Solving and Programming II (4)
Object-oriented program development and elementary data structures pointers and dynamic allocation, generic classes and inheritance, recursion, linked lists, stacks, and queues  PREQ 150  3 Lecture, 2 Lab

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 150

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

Digital Logic (3)
Binary systems, Boolean algebra, combinational logic, synchronous sequential logic, asynchronous sequential logic  PREQ MATH 146 and some programming experience

Digital Logic Laboratory (1)
Laboratory experience to enhance topics from CS 303  PREQ 303, MATH 146, some programming experience
310 (MATH 310) Discrete Structures (3)
Graph theory planarity, eulerian, hamiltonian, colorings, and trees Enumeration permutations, combinations, binomial distribution, generating functions, recurrence relations, and inclusion-exclusion PREQ MATH 146 COREQ CS 351

320 Computers and Society (3)
Brief history of computers, survey of growth of applications and current social issues to include legal issues as they relate to businesses and the individual

340 Introduction to Scientific Computing (3)
Floating point representations, round-off errors, nonlinear equations, numerical integration, data analysis, and numerical differentiation Survey software packages and other technology PREQ MATH 140 or 153, MATH 254 or 262, and some programming experience

350 Introduction to Computer Organization (3)
Introduction to computer arithmetic, processor organization and design, micro-programming and control unit design, memory organization, I/O organization PREQ 250

351 Data Structures (3)
Object-oriented program development and advanced data structures recursion, analysis of execution time, sorting and searching, trees, hash tables, and elementary graph algorithms PREQ 151 COREQ 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 310 or permission of instructor

361 Computer Graphics (3)
Storage tube and raster scan graphics terminal technologies, language and data structures for graphics, 2-D and 3-D graphics and transformations, plane and space curves, surface generation PREQ 150 or 340

363 Software Development (3)
Techniques for design and construction of reliable, maintainable, and useful software systems Software development methodologies and object-oriented design for medium and large projects PREQ CS 151 and CS 250

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 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

441 (MATH 441) Introduction to Numerical Analysis (3)
Finite differences, interpolation, numerical integration and solutions to ordinary differential equations, linear systems, eigenvalues, eigenvectors, errors PREQ MATH 254 or MATH 262, MATH 255, and CS 150

443 Automata and Formal Languages (3)
Phrase structure grammar, context-free languages, finite state machines, pushdown acceptors, Turing machine, recursiveness, and computability PREQ MATH 310
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 queueing theory). PREQ 370 and MATH 270

460 Compiler Construction I (3)
Grammar and finite-state automata, parse trees, top-down and bottom-up parsing, LL(k) and LR(k) grammar, syntax-directed translation, term project. PREQ 351

462 Systems Programming (3)
Advanced implementation issues in the design of the software of computer systems with a focus on parallel and distributed systems. PREQ 370

463 Software Engineering (3)
Software development methodologies in very large programming tasks, object-oriented design, information hiding, concurrent processing. PREQ 250

464 Microcomputer Development (3)
Software and hardware development and interfacing for dedicated microcomputer applications. PREQ 350 or PHYS 302 or IET 371. 2 Lecture, 2 Lab

465 Computer Networks (3)
Protocol layers, error control, media access, routing, congestion control, TCP/IP, name resolution, socket programming, client-server, interface definition languages, component APIs. PREQ 151 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 (3)
A seminar emphasizing social and ethical issues in computer science. The seminar includes a project with a written report and presentation that demonstrates understanding of computer science principles. PREQ Senior standing

Graduate Courses
552 Advanced Computer Architecture (3)
555 Computer System Performance Analysis (3)
560 Compiler Construction II (3)
564 Microcomputer Development (3)
565 Computer Networks (3)
580 Artificial Intelligence (3)
593 Topics in Computer Science (1-6 R6)
600 Computer Literacy (3)
601 Logo (3)
602 Structured Basic (3)
606 Applications to the K-8 Curriculum (3)
610 Computing Concepts in Programming (3)
611 Data Structures (3)
612 Introduction to Computer Systems (3)
613 Organizations of Programming Languages (3)
614 Introduction to Computer Organization and Architecture (3)
616 Applications to the Mathematics Curriculum-Grades 9-12 (3)
617 Computers in Secondary Education (3)
618 Computer-Assisted Learning (3)
### Counseling (COUN)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>140</td>
<td>Study Techniques for College (1)</td>
<td>Study techniques and skills, motivation for learning, use of the library, reading improvement laboratory 1 Lecture, 1 Lab</td>
</tr>
<tr>
<td>430</td>
<td>Individual and Group Counseling (3)</td>
<td>Principles and techniques of individual and group counseling, communication techniques, and participation in role playing and group processes</td>
</tr>
<tr>
<td>450</td>
<td>Career Development and Guidance (3)</td>
<td>History of vocational guidance, theories of vocational choice, development of vocational maturity, interests, aptitudes, and other factors in vocational development</td>
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### Graduate Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Description</th>
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<tr>
<td>600</td>
<td>Individual and Group Helping Skills (3)</td>
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<tr>
<td>601</td>
<td>Professional Orientation (1)</td>
<td></td>
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<tr>
<td>605</td>
<td>The Helping Relationship (3)</td>
<td></td>
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<tr>
<td>610</td>
<td>Family Counseling (3)</td>
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<tr>
<td>615</td>
<td>Multicultural Counseling (3)</td>
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<tr>
<td>617</td>
<td>Substance Abuse Counseling (3)</td>
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<tr>
<td>620</td>
<td>Counseling Children (3)</td>
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<tr>
<td>623</td>
<td>Introduction to Community Counseling (2)</td>
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<td>625</td>
<td>Counseling Developmental Perspectives (3)</td>
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<td>630</td>
<td>Theories of Counseling (2)</td>
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<td>631</td>
<td>Techniques of Individual Counseling (1)</td>
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<td>633</td>
<td>Crisis Intervention Counseling (3)</td>
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<td>635</td>
<td>Group Methods in Counseling (3)</td>
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<td>640</td>
<td>Measurement and Appraisal in Counseling (3)</td>
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<td>645</td>
<td>Consultation and Collaboration (3)</td>
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<td>650</td>
<td>Career Development (3)</td>
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<tr>
<td>655</td>
<td>Career Counseling (3)</td>
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<td>School Counseling Program Development (2)</td>
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<td>663</td>
<td>Implementing School Counseling Program (3)</td>
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<td>667</td>
<td>The DSM and Effective Treatment Planning in Counseling (3)</td>
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<td>670</td>
<td>Research in Counseling (3)</td>
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<td>Independent Study in Counseling (3)</td>
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<td>686</td>
<td>Practicum in Counseling (3)</td>
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<td>Internship in Counseling (3, R6)</td>
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<td>695</td>
<td>Seminar in Counseling (3)</td>
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<td>699</td>
<td>Thesis (3, R6)</td>
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<tr>
<td>730</td>
<td>Advanced Theory and Techniques in Counseling (3)</td>
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<td>784</td>
<td>Internship in Counseling (3)</td>
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<td>786</td>
<td>Advanced Practicum in Counseling (3)</td>
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<tr>
<td>979</td>
<td>Continuing Research - Non-Thesis Option (1, R10)</td>
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<tr>
<td>999</td>
<td>Continuing Research - Thesis Option (2, R24)</td>
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</table>

### Criminal Justice (CJ)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>250</td>
<td>The Criminal Justice System (3)</td>
<td>Evaluation of formal institutions dealing with crime in Western culture, overview of major components of the criminal justice system</td>
</tr>
<tr>
<td>311</td>
<td>The Juvenile Justice Process (3)</td>
<td>The phenomenon of juvenile delinquency, evaluation of a unique justice system for children, related concerns, problems, and expectations PREQ 250</td>
</tr>
<tr>
<td>320</td>
<td>The Law Enforcement Process (3)</td>
<td>Philosophical, historical, and operational aspects of law enforcement agencies and processes within a framework of social control in a democratic society PREQ 250</td>
</tr>
<tr>
<td>330</td>
<td>Courts and Criminal Procedure (3)</td>
<td>State and federal court systems, criminal judicial process, and rights of the individual PREQ 250</td>
</tr>
<tr>
<td>340</td>
<td>The Corrections Process (3)</td>
<td>Examination of modern corrections through review of penal history, theory, and practice PREQ 250</td>
</tr>
<tr>
<td>352</td>
<td>Planning and Methodology (3)</td>
<td>Planning as a process of criminal justice decision making using contemporary methods and techniques</td>
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<tr>
<td>360</td>
<td>Security Systems (3)</td>
<td>The role of private institutional security concerns Physical security, loss prevention, technology and the security profession are examined PREQ 250</td>
</tr>
<tr>
<td>370</td>
<td>Ethics in Criminal Justice (3)</td>
<td>Examination of ethical issues in the criminal justice field PREQ 250</td>
</tr>
</tbody>
</table>
389 Cooperative Education (1 or 3, R15)
See Cooperative Education Program. Credit will not be given for both 483 and 389

404 Substantive Criminal Law (3)
The nature and definition of substantive criminal offenses, examination of federal and state law, principles of criminal liability, defenses, and complicity. PREQ 250

406 Criminal Justice Administration (3)
Procedural aspects of statutory and case law affecting the administration of law enforcement and the control of police conduct

410 Victimology (3)
A study of the experiences of crime victims with the criminal justice system as well as victim characteristics, vulnerability, and culpability. PREQ 250

420 Criminal Investigations (3)
An analysis of methods used in conducting criminal investigations

423 Criminalistics (3)
A survey of methods and techniques used in the scientific investigation of criminal offenses

424 Community Corrections (3)
Development, organization, operation, and results of probation and parole systems as substitutes for incarceration

425 Police Tactical Theory (3)
Theories related to the development of police policy concerning appropriate responses to dangerous and potentially lethal confrontations

430 Criminal Evidence (3)
Examination of the rules of evidence and courtroom procedures in criminal trials

440 Organized Crime (3)
Examination of traditional and emerging organized crime groups and their impact on society and the criminal justice field

454 Comparative Criminal Justice Systems (3)
Law enforcement and correctional and court subsystems in the Western world today

450 Violence in American Society (3)
Theories on the causation, manifestations, prevention, and treatment of violent behavior. International, national, and regional constructs of violence are discussed. PREQ 250

455 Criminal Justice Theory (3)
Theories of law, justice, punishment, and crime causation. PREQ 250

460 Drug Abuse (3)
An examination of drugs of abuse and the evolution of drug laws, law enforcement, and correctional responses for drug offenders

470 Criminal Justice Policy (3)
The origins and outcomes of criminal justice policy. The role of politics, media, and bureaucracy are examined. PREQ 250, 350

480 Independent Study in Criminal Justice (1-3, R6)

482 Senior Directed Research (3)
Directed research/independent study in criminal justice. PREQ 352

483 Internship in Criminal Justice (3-12, R12)
Supervised applications of academic study in a practical criminal justice setting. Credit not given for both 389 and 483. PREQ Junior standing, permission of instructor, 250, 320, 330, 340, and 2.0 GPA. 135 hours per 3 credits
493 Topics in Criminal Justice (1-3, R12)
  PREQ Approval of department head

495 Seminar on Criminal Justice Problems (1-3, R6)
  PREQ Approval of department head

Graduate Courses
524 Probation and Parole (3)
593 Special Topics in Criminal Justice (1-3, R9)
620 Criminal Justice Administration (3)
640 Correctional Administration (3)
650 Criminal Justice/Criminological Theory (3)
652 Research Method (3)
670 Criminal Justice Policy (3)
675 Ethics in Criminal Justice (3)
680 Independent Study in Criminal Justice (3, R6)

Curriculum and Instruction (EDC1)

200 Seminar in Leadership Development (1, R4)
  Leadership development through seminars with university and public-school professionals, field trips, and service projects PREQ Admission to the North Carolina Teaching Fellows program

230 Peer Tutor Training (1, R2)
  Principles and techniques of tutoring PREQ Permission of instructor 1 Lecture, 2 Lab

231 Historical, Social, and Philosophical Foundations of Education (3)
  An introductory study of the broad historical, sociological, and philosophical aspects of education Field experience required

300 Seminar in Teaching and Research (1, R3)
  Leadership development through seminars, projects with mentors, and independent study PREQ Admission to the North Carolina Teaching Fellows program and to the professional education sequence

480 Reading and Research in Education (3)
  PREQ Permission of department head

Graduate Courses
503 Social Studies in the Secondary School (3)
506 Contemporary Philosophies of Education (3)
602 Educational Sociology (3)
603 Comparative Education (3)
604 Curriculum Development (3)
605 Foundations of Modern Education (3)
606 Statistical Analysis in Research (3)
609 Educational Tests and Measurements (3)
611 Qualitative Research (3)
612 Principles and Application of Educational Research Methods and Analysis (3)
615 Philosophy, History, and Sociology of Education (3)
618 Theory in Practice in the Subject Area
693 Topics in Education (1, R3)
699 Thesis (4)
700 Philosophy of Education (3)
702 Research Seminar in Curriculum (3)
705 Advanced Research Methods (3)
800 Issues in Rural Education (3)
801 Mega Theory Research Review and Applications (3)
802 Program Planning and Evaluation (3)
895 Doctoral Research Seminar (3)
979 Continuing Research - Non-Thesis Option (1, R10)
999 Continuing Research - Thesis Option (2, R24)
Dance (DA)

252 Ethnic Dance (1)
Multicultural dance activities 2 Lab

253 Social/Ballroom Dance (1)
Basic steps involved in popular social and ballroom dances 2 Lab

254 Lyrical (1)
Dance techniques which employ rhythmic floor work and creative styling 2 Lab

255 Tap (1)
Beginning to advanced tap rhythms Progressive and continuous perfecting of the tap dance technique 2 Lab

256 Jazz (1)
Techniques and style involved in jazz dance 2 Lab

257 Dance Performance (1)
Student must be involved in approved dance company or performance group for one semester

258 Dance Techniques (3)
Foundation techniques of basic movement with strong emphasis on dance terminology, barre and floor work 2 Lecture, 1 Lab

259 Dance Appreciation (3)
Historical/cultural aspects of dance—introduction to dance history including studies of choreographers, dancers, directors and productions

301 Dance Choreography (3)
Applications of dance technique in creative composition Involves various types of dance PREQ PE 258 2 Lecture, 1 Lab

302 Choreography Production (3)
The development, presentation, and evaluation of choreographic projects designed by individual students These may include theatrical, school and community involvement PREQ PE 301 2 Lecture, 1 Lab

Earth Sciences (ESI)

471 Field Studies of Selected Regions (3, R6)
Interdisciplinary group project on a designed region, a two-week field trip following spring final exams Cost to be determined PREQ Junior standing, GEOL 150 or GEOG 150, and permission of instructor

Economics (ECON)

103 (311) Economics of Comparative Cultures (3)
Analysis of the effects of differing institutions and values in various cultural systems on the level of output or per capita income, including ownership of the means of production, economic activities and incentives, and price-making forces P4

104 (312) Contemporary Economic Institutions (3)
Examination of changes in Western economic institutions, interrelationships of economic, social, and political changes, impact of changes on decision making, economic policy options, and current issues P1b
130 Survey of Economics (3)
Principles of micro- and macroeconomics, market system, analysis of current economic conditions, fiscal and monetary policy. Not open to students with credit in 231 or 232

231 Introductory Microeconomics and Social Issues (3)
Microeconomic principles, the market system, supply and demand, pricing, market structures, resources markets

232 Introductory Macroeconomics and Social Issues (3)
Macroeconomic principles, alternative theories of economic instability, national income, fiscal policy, monetary policy, and international trade

235 Statistics (3)
Descriptive and inferential statistical methods applied to managerial decision making. PREQ: MATH 130

302 Economics of the Firm (3)
The price mechanism and allocation of resources under competition, monopoly, and imperfect competition, applications to decision making. PREQ: 231, 232, MATH 130

303 Money, Financial Markets, and Economic Policy (3)
Financial institutions, monetary policy, central banking and nongovernmental organizations, money and capital markets, derivative instruments, European Union monetary unification. PREQ: 231, 232

304 Business Conditions Analysis (3)
Evaluation of business indicators, techniques for analyzing current business conditions and forecasting changes in levels of national economic activity. PREQ: 231, 232, 235

305 Public Finance (3)
Governmental expenditures, sources of revenue, public credit, principles and methods of taxation and financial administration, fiscal policy

306 Economics of Transportation (3)
Characteristics and problems of intercity transportation modes and agencies. PREQ: Any 3 hours in economics

307 Regional Economic Analysis (3)
Regional structure and growth, location theory, interregional income theory, factory mobility, public policy for regional development. PREQ: Any 3 hours in economics

308 Government and Business (3)
Governmental regulation of business, evolution of control, methods, and agencies. PREQ: Any 3 hours in economics

309 International Economics (3)
Trade patterns among nations, effects of trade on participant countries, tariffs and quotas, balance of payments, exchange rates, international monetary system. PREQ: 231, 232

310 Natural Resource Economics (3)
Economic policy regarding renewable and nonrenewable resources, environmental and energy economics. PREQ: 130 or equivalent

389 Cooperative Education in Economics (1 or 3, R15)
See Cooperative Education Program
401 Comparative Economic Systems (3)
Economics under capitalism, socialism, communism, and fascism, organization of production, decision making, problems of underdeveloped nations  PREQ Any 3 hours in economics

403 Development of Economic Ideas (3)
Ideas of the great economists, great debates in economics  PREQ Any 3 hours in economics

404 Introductory Mathematical Economics (3)
Functions, graphs, calculus, and systems of equations applied to economic analysis  PREQ 231, 232, MATH 130

406 International Economic Development (3)
Institutional forces shaping economic development, developed and less-developed nations compared, population growth, capital formation, educational improvement  PREQ 231, 232

480 Independent Research (3)
PREQ Permission of department head

483, 484, 485 Internship in International Business (3, R9)
Work experience in international business  S/U grading  PREQ Junior standing, 2.0 GPA, written application, permission of department head, minimum of 10 hours per week

493 Topics in Economics (1-3, R6)
PREQ Permission of department head

Graduate Courses
607 Managerial Economics (3)
608 Business and Managerial Forecasting (3)
609 International Economics (3)

682 Research Project in Economics (3, R6)
693 Topics in Economics (3, R6)

493 Topics in Education and Psychology (1-3, R6)

Graduate Courses
591 Topics in Education and Psychology (1, R3)
592 Topics in Education and Psychology (2, R6)
593 Topics in Education and Psychology (3, R6)
691 Topics in Education and Psychology (1, R3)

692 Topics in Education and Psychology (2, R6)
693 Topics in Education and Psychology (3, R6)
793 Topics in Education and Psychology (3, R12)

Educational Administration (EDAD)

Graduate Course
710 (EDHE 710) Administration of Two-Year Colleges (2)

Educational Leadership (EDL)

Graduate Courses
611 Educational Organizations (3)
612 Leadership Theory (3)
620 School Law (3)
630 School Finance and Business Management (3)
640 School Plant Planning and Management (2)
650 School Personnel Administration (3)
660 School-Community Relations (3)
680 Problems in School Administration (1-3, R3)
686 School Site Internship I (3)
687 School Site Internship II (3)
693 Topics in Administration (1 R3)
705 Leadership for Educational Programs (3)
720 The Politics of Educational Decision Making (3)
731 Policy Development and Analysis (3)
732 Computer Applications in Educational Administration (3)

785 Internship in Supervision (2)
795 Seminar in Supervision (2)
800 Advanced Leadership Theory (3)
810 Behavior and Management of Educational Organizations (3)
883 Internship in Rural School Leadership I (1-3, R3)
884 Internship in Rural School Leadership II (1-3, R3)
885 Internship in Rural School Leadership III (1-3, R3)
895 Advanced Seminar in Instructional Leadership (3)
896 Seminar in School Law (3)
898 Doctoral Seminar in Educational Leadership (3)
899 Dissertation in School Leadership (3, R12)
999 Continuing Research (2, R24)
Educational Supervision (EDSU)

Graduate Courses

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<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>605</td>
<td>Principles of Supervision</td>
<td>3</td>
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<tr>
<td>615</td>
<td>Techniques of Supervision</td>
<td>3</td>
</tr>
<tr>
<td>620</td>
<td>School-Based Instructional Leadership</td>
<td>3</td>
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<tr>
<td>630</td>
<td>School Improvement</td>
<td>3</td>
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<tr>
<td>635</td>
<td>Supervision of the Novice Teacher</td>
<td>3</td>
</tr>
<tr>
<td>680</td>
<td>Problems in Supervision</td>
<td>1 R3</td>
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<tr>
<td>685</td>
<td>Internship in Supervision</td>
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<td>693</td>
<td>Topics in Supervision</td>
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<td>1 R3</td>
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Electronics Engineering Technology (EET)

141 Electronic Drafting (1)
Study of drafting and graphics relating to the field of electronics 2 Lab

142 Electronic Fabrication (1)
Study of methods used to assemble and construct electronic circuits and equipment 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 PREQ MATH 145, 146 3 Lecture, 2 Lab

232 Circuit Analysis II (4)
Fundamentals of DC/AC circuits Topics include AC series, parallel, series-parallel circuits, analysis techniques, network theorems, resonance, and transformers PREQ 231 3 Lecture, 2 Lab

241 Digital Integrated Circuits I (3)
Study of combinational and sequential digital circuits using integrated circuits techniques COREQ 231 2 Lecture, 2 Lab

301 DC/AC Electricity (3)
Direct current and alternating current electricity Topics include Ohm’s Law, series, parallel and series-parallel circuits, transformers and measurement techniques Not open to EET majors PREQ MATH 144 or 145 and PHYS 130 2 Lecture, 2 Lab

302 Industrial Instrumentation and Control (3)
Control system components and applications, control diagrams, solid-state components, industrial motors and controls, programmable controllers Not open to EET majors PREQ 301 or permission of instructor 2 Lecture, 2 Lab

311 Solid State Devices (4)
Theory of discrete semiconductor devices and their applications PREQ 141, 142, 232 3 Lecture, 2 Lab

312 Analog Integrated Circuits (4)
Study of analog circuits including amplifiers, regulators, interface circuits, and special applications PREQ 311 3 Lecture, 2 Lab

331 Digital Integrated Circuits II (3)
Continuation of 241 including the study of digital system organization and design PREQ 241 2 Lecture, 2 Lab

332 Microcontrollers (3)
Study of contemporary 8-bit microcontrollers Microcontroller architecture, programming, and interfacing PREQ 241 2 Lecture, 2 Lab

341 Advanced Circuit Analysis (3)
Study of linear systems, introduction to digital signal processing PREQ 232, MATH 153 COREQ MATH 255
352 Industrial Controls and Machines (3)
Electrical power, AC/DC machines, control devices and diagrams, programmable logic controllers  PREQ 232 or 301 or IT 370  2 Lecture, 2 Lab

431 Microprocessor Fundamentals (3)
Study of microprocessor fundamentals including integrated circuit architecture, instruction sets, and machine assembly language programming  PREQ 332  2 Lecture, 2 Lab

432 Microprocessor Applications (3)
Continuation of 431 including the study of interfacing of microprocessor and integrated circuits into complex systems  PREQ 431 or equivalent  2 Lecture, 2 Lab

441 Communication Systems (4)
A study of information transmission and modulation systems  Includes both analog and digital techniques used in radio and data communications  PREQ 241, 312  3 Lecture, 2 Lab

452 Control Systems (4)
Fundamental principles of control theory and instrumentation with particular applications in manufacturing processes  PREQ 241, 312, 341  3 Lecture, 2 Lab

478 Senior Design Project Proposal (1)
Research methodology, literature review, and industrial writing styles, culminating in a written report proposal for a senior project  S/U grading  PREQ Senior standing and permission of instructor

479 Senior Design Project (3)
Organizing, planning, and implementing a project using acceptable industrial techniques culminating in a formal written report and oral presentation  PREQ or COREQ 478  1 Lecture, 4 Lab

493 Special Topics (1-3, R6)
PREQ Permission of instructor

Elementary Education (EDEL)

230 Introduction to Teaching (2)
Teaching as a profession, the role and function of the teacher in the school and community  Recommended for any student considering teaching as a career

303 Literature for Children and Youth (3)
Teaching literature in the elementary and middle grades schools, function of literary experiences in the total language arts program  PREQ Admission to the professional education sequence

310 The Middle School Child and Curriculum (3)
Programs, methods, and materials for students in the middle grades  PREQ Admission to professional education sequence

312 Elementary School/Methods and Curriculum (3)
Methods, materials, and curriculum for children from kindergarten through grade 6  PREQ Admission to the professional education sequence

313 Literacy and Numeracy (3)
A study of emergent literacy and numeracy in young children from a developmental and constructivist perspective  Includes regular observation and data collection  PREQ Admission to program

314 Kindergarten Curriculum (3)
Overview of models for kindergarten curriculum for typical and atypical children in the public school environment  2 Lecture, 3 Lab
315 Elementary/Middle Grades Communication Skills (3)
Teaching methods, materials, and curriculum development in the language arts, grades K-9
PREREQ Admission to the professional education sequence

316 Elementary/Middle Grades Science (3)
Teaching methods and curricular development in science, grades K-9, materials and teaching strategies
PREREQ Admission to the professional education sequence

317 Elementary/Middle Grades Social Studies (3)
Methods, materials, and strategies for teaching social studies in grades K-9
PREREQ Admission to the professional education sequence

318 Elementary/Middle Grades Mathematics (3)
The development of mathematical concepts, programs, methods, and materials for grades K-9
PREREQ MATH 231 and admission to the professional education sequence

390 Practicum I, II (1-2)
Supervised observation and participation in a public school classroom
PREREQ Admission to professional education sequence and permission of instructor
One day per week for 390, two days per week for 391

465 Teaching the Child in Crisis (3)
Exploration of crisis situations to improve teacher competency, methods for dealing with the child in crisis at various developmental levels

466 Computers in Education (3)
The use of computers in school settings, emphasis on instructional applications, issues, and trends

467 Adolescent Literature (3)
The reading development and reading interests of adolescents, criteria for evaluation, instructional strategies, study of a wide range of books

470 (BK, SPED) Early Childhood Curriculum (3)
Materials, environments, and interactions for 2-5 year olds in all curricular areas including thinking and social problem solving for typical and atypical children
2 Lecture, 3 Lab
PREREQ 366

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

486 Field Experience in Teaching (3, R6)
Supervised experience for a second teaching certification or for an initial certification for individuals who are employed as full-time teachers
9 hours per week

488 (BK, SPED) Internship II (3, R9)
Observing, planning, teaching, and evaluating young children in typical and atypical settings

490 Supervised Student Teaching (9)
A full-time internship under university supervision
COREQ 476, 495

495 Seminar for Student Teachers (3)
Theory related to practice during student teaching
COREQ 476, 490

496 (BK, SPED) Internship Seminar (1, R3)
The interrelationships of theory and practice in the context of experience
COREQ BK 483
Graduate Courses

566 Computers in Education (3)
567 Adolescent Literature (3)
575 Discipline and Classroom Management (3)
580 Independent Study (3)
593 Topics in Elementary Education (3)
601 Elementary School Curriculum (3)
602 Individualizing Instruction (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 Elementary/Middle School (3)
608 Diagnostic and Remediation in Elementary/Middle School Math (3)
610 Distance Education (3)
614 Issues and Trends in Early Childhood Education (3)
633 Advanced Children's Literature (3)
666 Projects in Educational Computing (3)

601 Elementary School Curriculum (3)
602 Individualizing Instruction (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 Elementary/Middle School (3)
608 Diagnostic and Remediation in Elementary/Middle School Math (3)
610 Distance Education (3)
614 Issues and Trends in Early Childhood Education (3)
633 Advanced Children's Literature (3)
666 Projects in Educational Computing (3)

Emergency Medical Care (EMC)

340 Introduction to Clinical Medicine (4)
   The role and responsibilities of the paramedic, basic medical terminology, patient
   assessment, including history taking and physical examination techniques. PREQ
   EMC major or permission of program director. 2 Lecture, 2 Lab

350 Cardiology (2)
   Pathophysiology, assessment, and treatment of cardiac emergencies. PREQ 340, 351,
   or permission of instructor. 2 Lecture, 1 Lab

351 Basic ECG Interpretation (1)
   ECG interpretation in the monitoring leads. PREQ Permission of instructor

360 Acute Fluid and Respiratory Disorders (2)
   Pathophysiology, assessment and treatment of respiratory emergencies, fluid and
   electrolyte imbalance, manifestations and principles of treatment of shock. PREQ 340,
   HSCC 370 COREQ 361 2 Lecture

361 Advanced Emergency Medical Techniques (1)
   Traditional techniques of intravenous and respiratory therapy, introduction to new
   techniques. PREQ 340, HSCC 370 COREQ 360 3 Lab

370 Medical Emergencies (3)
   Assessment and advanced life-support for nontraumatic medical emergencies. PREQ
   340 and HSCC 370 or permission of program director

382 Clinical Practicum I (1)
   Development of clinical competency in patient assessment skills. PREQ 340 and
   permission of program director. 4 Lab

389 Cooperative Education in EMC (1 or 3, R12)
   See Cooperative Education Program

410 Trauma Management (3)
   Assessment and management of traumatic emergencies, including patient access,
   stabilization, and transport, radio communications and use of ALS protocols. PREQ
   360 2 Lecture, 3 Lab

420 Maternal and Child Emergency Care (3)
   Obstetrical, gynecological, and pediatric emergencies. PREQ 340 and HSCC 370 or
   permission of program director
430 Special Needs Patients (2)
Assessment and emergency care of the elderly and handicapped  PREQ 360 or permission of program director

445 EMC Systems Management (3)
Planning and managing an emergency medical services system  Emphasis on demand analysis, staffing, medical direction, reimbursement, capital investment, and cost control  PREQ HSM 310

451 Advanced ECG Interpretation (1)
Advanced electrocardiography including 12-lead ECG interpretation  PREQ 350, 351

452 Advanced Cardiac Life Support (1)
The American Heart Association course leading to certification in advanced cardiac life support  PREQ 483 or permission of program director

482 Independent Study in Emergency Medical Care (2)
PREQ Permission of instructor

483 Clinical Practicum II (1-4)
Experience to develop clinical competency in advanced life support assessment and skills  PREQ 350, 360, 370  12 Lab hours

484 Clinical Practicum III (2)
Advanced clinical rotations in a hospital setting  PREQ 420, 483  8 Lab

485 MICU Practicum (1-3)
Supervised field experience on mobile intensive care units  PREQ 410, 420, 483  9 Lab

487 Advanced MICU Practicum (2, R8)
Supervised field experience on mobile intensive care units to review, update, and maintain skills  PREQ 485 or current paramedic certification, permission of program director  8 Field

488 EMC Management Internship (2, R4)
Supervised management experience with an approved emergency medical service provider or regulator  PREQ EMC major and permission of program director  5 weeks, full time

493 Topics in Emergency Medical Care (1-3, R6)

496 Senior Seminar in Emergency Medical Care (1)
Overview of current EMS practice  Examination of issues related to professionalism and scope of practice  PREQ Senior EMC major  2 Seminar

100 Basic Writing Skills (3)
Students with insufficient preparation in English as determined by placement scores must pass this course before enrolling in 101  Credit earned in this course will not count toward 128 hours required for graduation

101 Composition I (3)
Assigned readings, writing exercises emphasizing organization and development of formal compositions  PREQ Satisfactory placement score or pass ENGL 100  (F1)
102 Composition II (3)
Writing exercises based on the critical analysis of literary selections and other appropriate models, techniques of library research and documentation  
PREQ 101 (F1)
Note: ENGL 101 and 102 must be taken and passed in sequence  These courses are prerequisite to all courses in English above the freshman level

131 American English for Non-Native Speakers I. (3)
Prepares students for the required composition courses (101 and 102)  Exceptional performance in 131 may, if criteria are met, result in a waiver for 101

132 American English for Non-Native Speakers II (3)
A specialized writing and mechanic skills class providing further preparation for composition courses  Exceptional performance and satisfaction of other criteria may result in waiver of 101

201 Literary Landmarks in Western Culture (3)
Systematic study of the human attitudes of classicism, romanticism, and realism, their causes, effects, and expression in Western culture as reflected in major literary works  
P5)

203 Major American Writers (3)
Selections from the works of Franklin, Poe, Thoreau, Melville, Hawthorne, Whitman, Dickinson, Twain, Frost, Hemingway, Faulkner, and others  
P3a)

204 Cultures in Contact and Collision (3)
Examination of what happens when differing cultures meet or converge as reflected in literature, written and on film, literature as a key to better understanding of cultures differing markedly from our own  
P4)

251 Survey of English Literature I (3)
Major periods of English literature from the beginnings through the eighteenth century, emphasizing backgrounds and styles characteristic of each period

252 Survey of English Literature II (3)
Major periods of English literature from the nineteenth century through the present, emphasizing backgrounds and styles characteristic of each period

261 Survey of American Literature I (3)
A survey of American literature from the beginnings through the Romantics

262 Survey of American Literature II (3)
A survey of American literature from the early Realists to the present

278 Introduction to Film Studies (3)
An introduction to the study of film as a means of artistic expression and as a mirror of cultural values in the twentieth century  
PREQ 102

300 Foundation Composition (3)
Required of transfer students who fail the English Proficiency Examination and of any undergraduate who receives two Composition Condition marks

303 Introduction to Professional Writing (3)
Career opportunities and practices in professional writing, development of professional writing and editing skills in fiction and nonfiction, preparation of manuscripts for publication

304 Writing for Electronic Environments (3)
A course that teaches clear and coherent writing in electronic environments, including multimedia publication, web page and document design, and computer documentation, instructions, and manuals
305 Technical Writing (3)
Writing and editing technical manuals and reports, layout and production of technical document with practice in computer applications

306 Nonfiction Writing (3)
Writing and editing nonfiction for academic and commercial publications, specialized audience analysis, preparation of manuscripts for presentation at professional conferences  
PREQ 303 or permission of instructor

307 Professional Editing and Publishing (3)
Advanced practicum in student’s chosen area in professional writing, editing practices and production, copyright and libel law  
PREQ 303 or permission of instructor

308 Fiction Writing (3, R6)
Study and practice of technique and form in fiction writing, workshop discussion of students' stories and assigned exercises, original work and revision  
PREQ 303 or permission of instructor

309 Poetry Writing (3, R6)
Study and practice of technique and form in poetry writing, emphasizing traditional as well as free verse, analysis of contemporary poetry, students’ poetry read for class criticism  
PREQ 303 or permission of instructor

310 Screenwriting (3)
Introduction to writing teleplays and screenplays, preparation of original manuscripts for agents  
PREQ 303 or permission of instructor

312 Grammar for Writing (3)
Standard written American English as dictated by current editorial practice

330 Introduction to Literary Criticism (3)
Application of major critical approaches to the study of fiction, poetry, and drama  
PREQ 101, 102

333 Introduction to Shakespeare (3)
General survey of Shakespeare’s life, times, and most popular plays, not applicable to English majors

365 African-American Writings (3)
A survey of writings by African-American authors, from the earliest slave narratives through contemporary fiction and nonfiction

367 Appalachian Literature (3)
A survey of the poetry, fiction, and non-fiction works from the Southern Appalachian region with particular emphasis on cultural and historical themes of the region  
PREQ 101 and 102

370 The Short Story (3)
History and development of the short story in Western literature

378 Film History (3)
An introduction to the key stages in the history of narrative film and its development as an artistic and cultural phenomenon in the twentieth century

389 Cooperative Education: Professional Writing (1 or 3, R15)
PREQ 303  See Cooperative Education Program

390 The Bible as Literature (3)
A study of the Bible from a literary perspective  
PREQ 101, 102, and the sophomore general education literature requirement
401 Writing for Careers (3)
Theory and application of rhetoric in professional communication, emphasis on triad of author, subject, and audience. Practical assignments: memos, letters, resumes, reports, and persuasive messages.

405 Advanced Creative Writing (3)
Intensive study and practice of creative writing, emphasis on required individual projects. PREQ: Satisfactory writing sample and permission of instructor.

411 History of the English Language (3)
Origins and development of the English language from the beginnings to the present.

412 Modern English Structure (3)
Application of linguistics to the study of English, comparison of approaches to the study of grammar.

414 Fundamentals of Teaching Composition (3)
Theoretical and practical basis for designing and teaching composition courses, analysis of rhetorical, cognitive, and linguistic approaches. Practical, research-based techniques and issues. Offered every spring semester.

415 Linguistics (3)
Introduction to sound systems, word systems, sentence patterns, social/ regional dialects, psycholinguistics, child/adult language acquisition, historical linguistics, linguistic reconstruction, neurolinguistics, pragmatics, language typology.

416 Teaching English as a Second Language (3)

417 Methods for Teaching English (3)
Methods, materials, curriculum, and trends in teaching in the secondary schools. PREQ: Admission to the teacher education program.

420 Chaucer and His Age (3)
Chaucer's major poetry, emphasis on Troilus and Criseyde and The Canterbury Tales, selected readings from the works of contemporaries.

421 Fairy Tale Literature (3)
The genre of the fairy tale, its structure and theme, its influence on children's literature as well as mainstream literature.

430 English Literature of the Renaissance (3)
Representative Tudor and Jacobean prose and nondramatic poetry.

431 Shakespeare and His Age (3)

440 Milton and His Age (3)
Milton's major poems, selections from his prose, readings from works of contemporaries.

441 The Age of Pope, Swift, and Johnson (3)
Selections from the works of Pope, Swift, Johnson, and their contemporaries.

450 Major British Writers (3, R9)
Selected works of one or more important authors from a single historic period.

451 Nineteenth-Century British Writers (3)
The poetry and fiction of the major Romantic and Victorian authors, including Wordsworth, Coleridge, Keats, Shelley, Tennyson, Browning, Arnold, and Dickens.
455 The English Novel (3)
Selected eighteenth- and nineteenth-century novels of such writers as Defoe, Richardson, Fielding, Smollet, Austen, Scott, Dickens, Thackeray, and Hardy

463 American Literature Since 1945 (3)
Post-World War II American literature and its influences from other nationalities, especially those of Latin America and Canada

464 Native American Literature (3)
Ancient oral tradition and contemporary works Perceptions of culture, environment, and time observed in "old ways" stories, how influences emerge in "new way" poetry and fiction

467 Film Genres (3, R6)
An introduction to several film genres or an intensive exploration of one film genre—such as comedy, horror, science fiction, documentary, or musical

468 Film Studies (3, R6)
Focus on a narrower area of film study, such as a specific direction, period of film history, or nationality of filmmakers

470 Twentieth-Century Commonwealth Literature (3)
Poetry, fiction, and drama from the most prominent writers in those countries in which English is a common medium for literature

471 Modern Poetry (3)
Developments in poetry, forms, and readership Frost, Yeats, Hardy, Pound, Eliot, Moore, Neruda, Sexton, Plath, Rich, Lowell, Brooks, etc examined in context of current criticism

472 Modern Fiction (3)
How modern texts move away from traditionally "representational" ways of developing plot, character, setting, and point of view Works examined in context of current criticism/theory

473 Modern Drama (3)
Introduction to major figures of theatrical production from 1875 to contemporary, from realistic social dramas to surrealistic dream plays Includes "acting out" and field trips

475 The American Novel (3)
Selected novels of major American writers

477 Literature and Gender (3)
Study of literature by or about women, the relationship of men and women in literature, feminist issues from a literary perspective

478 Film as Literature (3, R6)
A focused study of common literary and/or philosophical themes, such as existentialism, romanticism, naturalism, realism, views of America, or family relationships

479 Studies in British and American Literature (3, R6)

480 Studies in English (1-3, R6)
Independent study/directed research in English PREQ Permission of instructor and department head

483 Writing Internship (3, 3, 3)
Practical experience in a writing-related setting S/U grading PREQ 303 9 hours

485 per week per course

493 Topics in Creative Writing (1-3, R6)
Study and practice of writing in a special area, e.g., the novel, drama, science fiction, juvenile literature PREQ 303 or permission of instructor
494 Special Topics in Advanced American English for Non-Native Speakers (1, R6)
An advanced academic writing skills class for upper level undergraduates whose native language is not English. Focus will be both on rhetorical style and on mechanics (grammar and punctuation). Credit not applicable toward hours for graduation.

496 Seminar in Comparative Literature (3)
Literary classics in translation.

497 Senior Seminar in Writing (3)
Capstone course for journalism and professional writing concentrations. Minors in creative writing, journalism, and professional writing may be admitted with instructor’s permission. PREQ: Senior standing.

498 Senior Seminar in Literature (3)
Capstone course for the literature concentration. PREQ: Senior standing.

Graduate Courses
501 Writing for Careers (3)
502 Technical Writing for Business and Industry (3)
514 Fundamentals of Teaching Composition (3)
515 Linguistics (3)
516 Teaching English as a Second Language (3)
517 Methods of Teaching Literature (3)
550 Major British Writers (3, R9)
564 Native American Literature (3)
571 Modern Poetry (3)
572 Modern Fiction (3)
573 Modern Drama (3)
580 Studies in English (3, R6)
589 Co-op Writing and Editing (3, R6)
600 Selected Ethnic Literature (3)
601 Gender Studies (3)
602 African-American Literature (3)
606 Nonfiction Writing (3)
607 Breaking into Publishing (3)
609 Fiction Writing (3)
610 History of Rhetoric (3)
611 Mountain Area Writing Project (6)
612 The Mountain Area Writing Project (Level 2) (3)
614 Contemporary Rhetoric (3)
615 Linguistic Perspectives (3)
617 Historical Linguistics (3)
618 Methods of Literary Research and Bibliography (3)
619 English Grammars (3)
620 Chaucer (3)
621 Medieval Language and Literature (3)
622 Anglo-Saxon Language and Literature (3)
631 Shakespeare (3)
632 Renaissance Literature (3)
641 Milton (3)
642 Seventeenth-Century Poetry and Prose (3)
643 Literature of the Enlightenment (3)
653 Romantic Literature (3)
652 Victorian Literature (3)
653 Nineteenth-Century British Fiction (3)
660 Early American Literature through Romanticism (3)
661 American Realism through Modernism (3)
662 American Post-Modern Literature (3)
667 Early Twentieth-Century British Literature (3)
668 Late Twentieth-Century British Literature (3)
672 Twentieth-Century Genre (3)
676 Pre-Twentieth-Century Criticism and Theory (3)
677 Twentieth-Century Literary Criticism and Theory (3)
678 Special Topics in English (3, R6)
699 Thesis Research (3, R12)

Environmental Health (ENRH)

130 Environmental Health Science: Systems and Solutions (3)
This course provides a comprehensive overview of environmental health sciences. Instructors will utilize a systems approach with emphasis on health and environmental sustainability (P2).

230 Introduction to Environmental Health Science (3)
Survey of human impacts on the environment and health problems caused by environmental factors.

310 Water Quality Control (4)
Environmental management practices related to water pollution and water quality. PREQ: 230 3 Lecture, 2 Lab.

312 Solid and Hazardous Waste Management (3)
Techniques for management and disposal of solid and hazardous waste. Pollution problems associated with solid and hazardous waste. PREQ: Environmental health major.

320 Institutional and Residential Environment (3)
An introduction to the basic health and safety issues in modern housing and institutional settings. PREQ: 230 2 Lecture, 2 Lab.
330 **Food Protection and Sanitation (4)**  
Principles and techniques applied to the protection of food and milk for human consumption  
3 Lecture, 2 Lab

340 **Environmental Health Practices (3)**  
Environmental protection through the study of environmental topics, control methods, and techniques to enhance practice  
PREQ 230

375 **Environmental Toxicology (3)**  
The monitoring, effects, and control of toxic materials in the environment  
Mechanisms of action of toxic chemicals in humans and other organisms  
PREQ 230, CHEM 133, and BIOL 292

389 **Cooperative Education in Environmental Health (1 or 3, R12)**  
PREQ HSCC 389  
See Cooperative Education Program

430 **Medical and Veterinary Entomology (4)**  
Vectors responsible for arthropod-borne diseases of medical and veterinary importance  
PREQ Permission of instructor  
2 Lecture, 4 Lab

440 **Air Quality Control (4)**  
Evaluating and monitoring air quality, effects of pollution control and lab procedures in air quality investigation  
PREQ Environmental health major  
3 Lecture, 2 Lab

457 **Industrial Hygiene (3)**  
Health aspects of industry relative to the environmental factors of shelter, waste, and air  
PREQ Environmental health major or permission of instructor

458 **Environmental Regulation and Law (3)**  
Basic concepts of environmental law including the workings of the justice system, the litigation process, witness testimony, and laws  
PREQ 230 or permission of instructor

460 **Senior Seminar in Environmental Health (1)**  
Exploration of current issues in environmental health  
PREQ Senior status

470 **Principles of Epidemiology (3)**  
Principles and applications to investigation, control, and prevention of disease  
PREQ Environmental health major or permission of instructor

475 **Environmental Program Administration (3)**  
Intensive study of regulatory program administration, focus on development, implementation, and evaluation of programs in the governmental sector

480 **Independent Study in Environmental Health (1-2, R4)**

483 **Environmental Health Internship (3, R6)**  
Supervised experience in an approved clinical or environmental health facility  
PREQ Environmental health major or permission of instructor  
9 weeks, full-time

493 **Topics in Environmental Health (1-3)**  
Studies in special areas of interest in environmental health  
PREQ 230, permission of instructor

Graduate Courses

570 **Principles of Epidemiology (3)**  
655 **Hazardous Materials and Waste Management (3)**

575 **Environmental Program Administration (3)**  
675 **Loss Control through Industrial Hygiene (3)**

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**Family and Consumer Sciences (FCS)**

171 **Orientation (1)**  
The home economics profession, plan for personal and professional growth, career opportunities  
S/U grading
270 Optimal Living (3)  
Optimizing daily living throughout the life span for individuals and families through food and nutrition, clothing and textiles, and environmental interiors

311 Curriculum and Materials (3)  
Programs for consumer, homemaking, and occupational home economics

317 Teaching Methodology (3)  
Methods and teaching strategies for application of knowledge and skill in individual and classroom instruction. Emphasis on discussion, simulation of function, and task roles. PREQ: Admission to teacher education program or permission of department head

389 Cooperative Education (1 or 3, R15)  
See Cooperative Education Program

410 Consumer Strategies (3)  
The relationship of individuals to their natural and man-made environments and the interplay that shapes the functioning of families as consumers. PREQ: 270

480 Independent Study (1-3, R6)  
PREQ: Permission of instructor

483 Internship (3, 3, 3)  
484 Integration of theory and practice in a setting appropriate to the student’s career field

485 S/U grading 9 hours per week per course

493 Topics in Family and Consumer Sciences (1-3, R6)

495 Professional Seminar (1, R6)  
The role of professionalism in gainful employment and career advancement. S/U grading

Graduate Courses

514 (IET 514) Career Exploration (3)  
593 Topics in Family and Consumer Sciences (1-3, R6)  
602 (IET & OA 602) Vocational Education History and Philosophy (3)  
610 (IET 610) Vocational/Technical Evaluation (3)  
611 Designing Educational Programs (3)  
514 Career Exploration (3)  
593 Topics in Family and Consumer Sciences (1-3, R6)  
514 Career Exploration (3)  
602 Vocational Education History (3)  
610 Vocational/Technical Evaluation (3)  
611 Designing Educational Programs (3)  
620 Contemporary Consumer Issues (3)  
652 Computer Applications (3)  
654 Creative Ergonomics (3)  
680 Independent Study (1-3, R6)  
681 Research Project (3)  
693 Topics in Family & Consumer Sciences (1-3, R6)  
699 Thesis (3, R6)  
979 Continuing Research - Non-Thesis Option (1, R10)  
999 Continuing Research - Thesis Option (2, R24)

Family Studies (FS)

262 Introduction to Family Studies (1)  
Introduction to the child and family studies major and profession

321 Family Finance (3)  
Management of financial resources in relation to individual and family needs, goals, and values, consumer problems

362 Family Wellness (3)  
Physical, emotional, and spiritual factors contributing to the health and well-being of family members and systems

364 Survey of Human Development (3)  
The life span, prenatal through death, the social, emotional, cognitive, moral, and physical characteristics of each stage

463 Introduction to Family Life Education (3)  
Design, implementation, and evaluation of family life education programs. PREQ: CFS 261
464 Family and Community (3)
The integration of current theories and methods of family interaction and involvement in programs for young children and other community settings  PREQ  363

469 Middle and Later Life Families (3)
Study of older family members their relationships, development, life adjustments, and sources of assistance  PREQ 364 or permission of instructor

483 Internship (3, 3, 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

497 Child and Family Seminar (3)
Considerations of current research, professional ethics, personal and career development, child family advocacy, and the integration of knowledge with related areas  PREQ 466, 468

Finance (FIN)

250 Introduction to Investing (3)
Fundamentals of investing in stocks, bonds, mutual funds, preserving and growing wealth

302 Real Estate (3)
Financing sources of funds, loan contracts, mortgage analysis, role of government, real estate law

305 Financial Management (3)
Financial analysis and planning, capital management and budgeting, acquisition of funds, dividend policy  PREQ ACCT 161 or 252

310 Introduction to Financial Planning, Risk Management, and Insurance Planning (3)
Developing, presenting and monitoring client financial plans, types of insurance, risk management

335 Financial Institutions (3)
An introduction to the financial services industry institutions, money, capital, and derivative instruments  PREQ 305

389 Cooperative Education in Finance (1 or 3, R15)
PREQ  2.0 GPA on courses in business  See Cooperative Education Program

401 Life Insurance (3)
Functions and uses of life insurance, contract analysis, legal aspects, group policies

403 Real Estate Brokerage and Finance (3)
Law of agency, theories of value, real estate finance  PREQ 302

405 Corporate Financial Decisions (3)
Sources and forms of long-term financing, financial structure, dividend policy, timing of financial policy, mergers, and failure  PREQ 305  COREQ ACCT 301 and FIN 495

406 Investment Strategies (3)
Investments for individuals, institutions, and business, securities and securities markets  PREQ 305

407 International Finance (3)
International financial environment, exchange rate behavior, exchange rate risk management, and multinational business asset and liability management  PREQ 305
409 Entrepreneurial Finance (3)
Problems in cash management, financing small business, problems associated with new ventures  
PREQ 305, MGT 401

410 Retirement Planning (3)
Retirement planning, goals, strategies, implementation and employee benefits  
COREQ 305

480 Independent Research (3)
PREQ Permission of department head

483 Internship in Finance (3, R9)
484 Work experience in finance  S/U grading  PREQ Junior standing, 2.0 GPA, written
485 application, permission of department head, minimum of 10 hours per week

493 Topics in Finance (1-3, R6)
PREQ Permission of department head

495 Seminar in Financial Management (3)
Analysis of problems in business finance using the case method  
PREQ 305  COREQ  ACCT 301 and FIN 405, or permission of instructor

496 Seminar in Financial Planning (3)
Integration of alternative investment instruments and opportunities, tax planning and 
strategies, retirement and estate planning, with computer software applications  
PREQ 305 and 406

Graduate Courses
601 Financial Management (3)
602 Investment Analysis and Portfolio Management (3)

603 Advanced Financial Analysis (3)

682 Research Project in Finance (3, R6)

693 Topics in Finance (3, R6)

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

101 French Language and Culture (3)
Elements of understanding, speaking, reading, and writing French, concepts of grammar, 
lab practice required  (P3a)

105 The French-Speaking World (3)
Study of French culture and its relationship to the cultures of countries and regions 
where French is spoken  (P4)

110 Intensive French I (6)
Developing skills in understanding, speaking, reading, and writing, emphasis on oral 
aspects, Rassias Method  Three hours credit only applicable to general education  
PREQ Permission of instructor  4 Lecture, 3 Lab, 5 Drill  (P3a)

132 Elementary French (3)
Continuation of French 101  PREQ Placement or permission of department head

133 French for Travelers (2)
A practical guide to travel in French-speaking countries, basic conversational French, 
tourist information, and travel facts
231 Intermediate French I, II (3, 3)
Continuation of written and oral French grammar, readings and discussions on French culture and civilization, readings in more specialized areas, lab practice may be assigned. PREQ 132 or equivalent or placement for 231, 231 or equivalent or placement for 232

240 Intensive French II (6)
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 Permission of instructor 4 Lecture, 5 Lab, 5 Drill

301 French Composition (3)
PREQ 232 or equivalent or placement

302 Conversational French (3)
Advanced intermediate course emphasizing topical dialogue. PREQ 232 or equivalent or placement

303 Applied French Conversation (3, R6)
Apprenticeship in the intensive language program. Does not count toward major, minor, or DFA in foreign languages. PREQ 232 or 240, sophomore standing, selection by faculty. 10 Lab

304 Commercial French I, II (3, 3)
Review of vocabulary and styles used in French business letters, various aspects of French business institutions. PREQ 232 or 240

305 Introduction to French Prose and Poetry (3)
Introduction to French literary texts, reading and analysis of literary works. PREQ 232 or 240

306 Methods of Teaching Foreign Language (3)
Methods and materials for teaching second languages in grades K-12. PREQ Admission to professional sequence or permission of instructor.

321 French Civilization I, II (3, 3)
Geographical, political, cultural, and historical aspects of France from its origins to the present, course division at French Revolution. PREQ 232 or 240, 301 and 302 or permission of department head.

331 Survey of French Literature I, II (3, 3)
The main literary movements, authors, and works since the twelfth-century, course division at the eighteenth century. PREQ 232 or 240, 301 and 302 or permission of department head.

351 French Phonetics and General Linguistics (3)
The French sound system, drill in pronunciation, articulation, intonation, and rhythm, introduction to linguistics. PREQ 232 or 240, 301 and 302 or permission of department head.

371 Twentieth-Century French Novels in Translation (3)
Selected works by Proust, Gide, Mauriac, Camus, Saint-Exupery, and Colette. No knowledge of French required, not open to French majors.

389 Cooperative Education in French (1 or 3, R15)
PREQ 301, 302. See Cooperative Education Program.

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, 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

Geography (GEOG)

102 World Regional Geography (3)
Major world regions and global problems, techniques of thinking geographically about
human behavior (Pla)

103 Cultural Geography (3)
Interrelations of man, earth, and culture, the geography of race, language, religion,
political and economic patterns, population growth and movements (P4)

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
PREQ 150
3 Lecture, 2 Lab

302 (GEOL 302) Geomorphology (4)
Classification, description, origin, and development of landforms, relationships to
underlying structures and climates
PREQ 150 and GEOL 150
3 Lecture, 2 Lab, field trip

305 (GEOL 305) Soils and Hydrology (4)

320 Map Interpretation (3)
Map analysis, topographic quadrangles, uses for navigation, geology, land-use planning,
soil and vegetation studies, and aerial photos, history of maps
1 Lecture, 4 Lab

322 Cartography (4)
Map design and construction, basic projects, data gathering, and display methods
PREQ Permission of instructor
2 Lecture, 6 Lab

324 Introduction to Remote Sensing (4)
Interpretation and applications of remote sensing, satellite and aerial imagery, elementary
photography, stereoscopic viewing, and photomapping
PREQ 150 or permission of instructor, GEOL 150 desirable
3 Lecture, 2 Lab

326 Research Methods in Geography (3)
Methods of measurement, observation, recording, analysis, and synthesis of data, field and lab photography, computer statistical packages, library research
PREQ MATH 170, 171, and permission of instructor
1 Lecture, 4 Lab

350 Economic Geography (3)
Principles governing world distribution and production of economic and natural resources

389 Cooperative Education in Geography (1 or 3, R15)
See Cooperative Education Program
400 Natural Regions of North America (3)
Regions of the United States and Canada, landforms, geology, climates, soils, vegetation, water, emphasis on features most affecting man  PREQ 150 or GEOL 150

402 Conservation of Natural Resources (3)
Quantity, quality, and distribution of resources in the United States, dilemma of increasing demand on a dwindling resource base

424 Advanced Remote Sensing (3)
Interpretation and application of remotely sensed data on the earth’s physical and cultural environments, major project required  PREQ Permission of instructor 6 Lab

440 Topics in Regional Geography (3, R12)
Physical, economic, and social aspects of the geography of a selected region (Asia, Europe, USSR, Africa, North America, Middle East, Latin America)

444 Political Geography (3)
Territorial and cultural elements in the formation of national and international boundaries, case studies

460 Urban and Regional Land Use Planning (3)
Principles and practices of urban regional planning, types of planning reports, applications to North Carolina  PREQ Permission of instructor

462 Introduction to Urban Geography (3)
Study of the spatial structure and function of urban places, theories of city origin and growth

464 Industrial Location and Community Development (3)
Measures of manufacturing, location theory, decision-making factors in the location of industry, community development planning practices  PREQ 350 or permission of instructor

483 Internship in Geography (3, 3, 3)
Practical application of academic training in an approved agency under faculty supervision  S/U grading  PREQ Junior standing 9 hours per week per course

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

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)  552 Introduction to Urban Geography (3)

Geology (GEOL)

110 Environmental Geology (3-4)
Evaluation of geological phenomena that shapes the human environment geohazards, water, environmental health, mineral and energy resources, global change  3 Lecture, 2 Lab (Lab is optional) (P2)

150 Introduction to Physical Geology (4)
Earth structure, composition and evolution of landscape, minerals and rocks, active processes, effects of wind, water, and ice for science majors  3 Lecture, 2 Lab
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

160 **Oceanography** (3)
Geology of the oceans, coastal landforms and ocean currents, climates, tides, waves, and resources

252 **Mineralogy** (4)
Principles of crystallography, crystal chemistry, and phase relationships, chemical computations, descriptive and determinative mineralogy PREQ CHEM 135 or permission of instructor 2 Lecture, 4 Lab

302 (GEOG 302) **Geomorphology** (4)

305 (GEOG 305) **Soils and Hydrology** (4)
Soil genesis, properties, and classification, the hydrologic cycle, surface runoff and groundwater, water budgets and water quality, management of soils and water PREQ Permission of instructor 3 Lecture, 2 Lab

330 (PHYS 330) **Geophysics** (4)
The physics of the Earth Topics include theory and applications of gravity, magnetics, electricity, and seismicity to environmental and tectonic problem-solving in geology Field-oriented lab problems and applications PREQ PHYS 130 or 230 3 Lecture, 3 Lab

331 **Paleontology** (4)
Distribution, morphology, evolutionary trends, and classification of fossils PREQ 155 or permission of instructor 3 Lecture, 2 Lab, field trip

351 **Optical Mineralogy** (3)
Principles and methods of optical crystallography, identification of nonopaque minerals in immersion oils and thin section, description of rock in thin sections PREQ 252 or permission of instructor 1 Lecture, 4 Lab

352 **Igneous and Metamorphic Petrology** (4)
Rock petrogenesis, classifications, and associations, phase equilibria and mineral assemblages under various temperature-pressure conditions, includes hand specimen identification and fieldwork PREQ 252 and CHEM 136 3 Lecture, 2 Lab

371 **Structural Geology** (4)
Descriptive structural geology, emphasis on outcrop and regional scale deformational features, use of maps and graphic techniques in structural analysis PREQ 150 3 Lecture, 2 Lab, field trips

389 **Cooperative Education in Geology** (1 or 3, R15)
See Cooperative Education Program

420 **Sedimentation** (3)
The origin, properties, and classification of sediments and sedimentary rocks PREQ 150 PREQ or COREQ 252 or permission of instructor 2 Lecture, 2 Lab

421 **Stratigraphy** (3)
Sedimentary depositional environments and their relationships in time and space PREQ 420 2 Lecture, 2 Lab

441 **Economic Mineral Resources** (3)
Formation of and exploration for economic mineral deposits, technologic, economic and political aspects of exploitation, distribution of production and reserves PREQ Permission of instructor

451 **Analytical Methods in Geology** (3)
Techniques used for the preparation of mineral and rock specimens for chemical
analyses and/or instrumentation for field collection of data  

Tectonics (3)
History and development of tectonic concepts, geometry and kinematics of plate mosaic, evolution of modern and ancient orogenic belts  

Topics in Geology (1-3, R6)

Special Problems in Geology (2, R4)
Supervised research, written and oral reports

Senior Seminar in Geology (3)
Readings in current topics in geology  

Senior Thesis (2, R4)
An original research project culminating in a written thesis and public presentation of results  

Graduate Courses
Economic Mineral Resources (3)  
Analytical Methods in Geology (3)  
Topics in Geology (1-3, R6)  
Special Problems in Geology (2, R4)  

German (GER)

German Language and Culture (3)
Elements of understanding, speaking, reading, and writing German, grammatical concepts, lab practice required (P3a)  

Intensive German I (6)
Developing skills in understanding, speaking, reading, and writing, emphasis on oral aspects, Rassias Method. Three hours credit only applicable to general education  

Elementary German (3)
Continuation of German 101  

A Literary Perspective on German Civilization (3)
Selected German literary masterpieces as a reflection of German civilization  

Intermediate German I, II (3, 3)
Continuation of written and oral German grammar, readings and discussions on German culture and civilization, readings in more specialized areas, lab practice may be assigned  

Intensive German II (6)
Continuation of 110, increased emphasis on reading and writing  

German Composition (3)  

Conversational German (3)
Advanced intermediate course emphasizing topical dialogue
303 Applied German Conversation (3, R6)
Apprenticeship in the intensive language program. Does not count toward major, minor, or DFA in foreign languages. PREQ 232 or 240, sophomore standing, selection by faculty. 10 Lab

310 Introduction to German Prose and Poetry (3)
Introduction to German literary texts, reading and analysis of literary works. PREQ 232 or 240

320 Methods of Teaching Foreign Language (3)
Methods and materials for teaching second languages in grades K-12. PREQ Admission to professional sequence or permission of instructor

321 German Civilization I, II (3, 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 I, II (3, 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

351 German Phonetics and General Linguistics (3)
Analysis of the German sound system, intensive drill in pronunciation, articulation, intonation, and rhythm, introduction to linguistics. PREQ 232 or 240. PREQ or COREQ 301 and 302 or permission of department head

389 Cooperative Education in German (1 or 3, R15)
PREQ 301, 302. See Cooperative Education Program

393 Special Topics in German (1-3, R6)
PREQ 232 or 240

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

Health Education (HEAL)

120 Personal and Community Health (2)
Philosophy, knowledge, practices of health, coping with problems of living. (F5)

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

311 (PE 311) Measurement and Evaluation (2)
Study and use of methods of testing, measuring, and evaluating health status, statistical analysis of data

312 Comprehensive Health Education (3)
Comprehensive health education including a philosophy and strategies for teaching comprehensive health education, and study of selected topics related to personal and community health problems. PREQ Junior standing

360 Sexually Transmitted Diseases (2) (Formerly HEAL 260)
Factual information of sexual anatomy and functioning, concepts of sexually transmitted diseases and AIDS, and how decisions, behaviors, and lifestyles may affect our health. 2 Lecture

Health Information Management (HIM)

301 Introduction to Health Information Management (3)
Orientation to medical institutions, history of medical records, components, development, and use of health information, functions of health information departments. 2 Lecture, 2 Lab

303 Planning and Organizing in Health Information Management (2)
Applications of principles of planning and organizing in the management of health information services. PREQ 301 COREQ 321

310 Fundamentals of Clinical Medicine for Health Information Management (3)
Study of disease processes with emphasis on etiology, signs and symptoms, complications, and current treatment. PREQ BIOL 291, 292 and HSCC 220, 260

389 Cooperative Education in Health Information Management (1 or 3, R12)
See Cooperative Education Program

402 Controlling Resources in Health Information Management (2)
Application of principles of production, budgeting, and cost control in the management of health information services. PREQ 303

403 Health Data Collection (3)
Computing, reporting, displaying, interpreting, and analyzing healthcare statistics. Principles of applied research for the health information profession. COREQ 404

404 Health Information Classification Systems I (4)
Basic ICD-9-CM coding for inpatients and outpatients, coding for prospective payment. PREQ 301, 310 COREQ 401, 403, 484 3 Lecture, 3 Lab

405 Health Information Classification Systems II (3)
Basic CPT-4 coding for ambulatory patients. Advanced ICD-9-CM coding for prospective payment. PREQ 404 COREQ 485, 486, 495 2 Lecture, 3 Lab

406 Topics in Health Information Management (2)
Various current topics in HIM projects in inservice education, data quality, and records in nonacute care facilities. COREQ 485, 486, 495
408 Health Care Information Systems (2)
Examines analysis, design, and implementation of automated systems for patient related and clinical data management. Additionally, overall review of the computerized patient record is accomplished. PREQ 301, COREQ 303

410 Computers in Health Care (3)
Exposure to various computer systems in health care and the study of applications available to the HIM professional and the management of these systems. PREQ 301, COREQ 303

412 Comparative Record Keeping and Regulations (2)
Theory and procedures for the maintenance and regulations regarding patient health records in nonacute care settings. PREQ 301 and 484, COREQ 403 and 406

484 Clinical Practicum I (3)
Supervised practice in an acute-care facility. COREQ 401, 402, 403, 404, 483, 120 hours

485 Clinical Practicum II (1)
Supervised practical application of previously studied theory related to health information functions in nonacute care settings and other healthcare related facilities. COREQ 405, 406, 486, 495, 60 clinical practice hours

486 Clinical Practicum III (3)
Supervised practical application in an acute-care facility of previously studied theory related to supervision and management of health information department personnel and functions. COREQ 405, 406, 485, 495, 180 clinical practice hours

495 Seminar in Health Information Management (3)
Discussion of problems the student may expect to encounter in health information management, research paper required, national registration exam simulation. COREQ 405, 406, 485, 486

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

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. PREQ 231, 2 Lecture, 2 Lab

233 Practicum. Health Promotion and Disease Prevention in Preschool Programs (3)
Emphasis on application and refinement in a field setting of knowledge and skills previously learned in HSCC 231 and 232. 9 Lab

240 Introduction to Emergency Medical Care (3)
Basic life support, assessment and care of traumatic and medical emergencies, patient stabilization, meets state First Responder requirements
241 Basic Emergency Medical Techniques (2)
Patient assessment, CPR, airway management, splinting and bandaging, childbirth, rescue, and extrication  PREQ or COREQ 240  4 Lab/field

260 Etiology of Infectious Diseases (3)
Disease-causing bacteria, viruses, rickettsia, fungi, and animal parasites, disease-producing mechanisms and resistance to infection  2 Lecture, 2 Lab

310 Principles of Clinical Precepting (1)
Study of the principles of presenting, bench teaching, learning assessment, and entry-level performance in clinical laboratory teaching  PREQ Junior standing in CLS or permission of instructor

330 Legal and Legislative Aspects of Health Care (1-3)
The legal aspects of healthcare and legislative forces affecting it, impact on practitioners

370 Introduction to Pharmacology (1-3)
Principles, including the dynamics of drug activity, synthesis, and toxicity in drug therapy  PREQ BIOL 291, 292 and permission of instructor

389 Cooperative Education in Health Sciences (1 or 3, R15)
See Cooperative Education Program

Graduate Courses
Graduate courses are listed in the Graduate Catalog under Master of Health Sciences (MHS)

Health Services Management (HSM)

310 Systems and Trends in Health Care Delivery (3)
Overview of theories and principles concerning health, disease, and the delivery system
Examination of emerging trends and issues and their relationship to the delivery system
PREQ Health sciences major or permission of instructor

320 Human Resource Management in Health Care Agencies (3)
Selected knowledge and skills related to recruiting, interviewing, selecting, training, and evaluating human resources in healthcare agencies

440 Quality Management in Health Care Agencies (3)
Quality management terminology, methodology, principles, and selected case studies utilized in healthcare agencies as a vehicle for organizational research  Introduction of managed care  PREQ Health sciences major or permission of instructor

450 Financial Management in Health Care (3)
Selected knowledge and skills related to budgeting and the financial management of clinical departments and service units  PREQ 320, 340, or permission of instructor

470 Research Methodology and Analysis in Health Science (2)
Overview of methodology and analysis for inquiry in health sciences, designed to prepare health sciences majors for assessing and conducting research  PREQ MATH 170 or PSY 251 or ECON 235

471 Research Project (1, R2)
Completion of a research study where the student works independently under the direction of a faculty advisor, within their discipline, in conducting and documenting research  PREQ 470

493 Special Topics (1-3)

Graduate Courses
Graduate courses are listed in the Graduate Catalog under Master of Health Sciences (MHS)
Higher Education (EDHE)

431 Foundations of Adult Education (3)
Historical, sociological, psychological, and philosophical foundations of adult education, the nature and characteristics of adult learners, review of research

Graduate Courses
531 Foundations of Adult Education (3) 693 Topics in Higher Education (1, R3)
605 The Two-Year College (3) 695 Seminar on the Two-Year College (2)
610 Two-Year College Instruction (3) 710 (EDAD 710) Administration of Two-Year
636 Two-Year College Curriculum Development (3) Colleges (2)
683 Internship Two-Year College Administration I (2) 783 Internship Two-Year College Administration II (2)
686 Practicum in Two-Year College Teaching (2)

History (HIST)

105 (305) History of Modern Western Civilization (3)
Western civilization from the Renaissance through the twentieth-century against the background of classical civilizations and the medieval period (P5)

106 (306) Modern American Institutions (3)
A consideration of the major American social, economic, and political institutions in the twentieth-century (Plb)

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 (P4)

221 European History to 1648 (3)
Social, cultural, economic, and political developments that shaped European civilization from earliest times through the Reformation

222 European History Since 1648 (3)
Social, cultural, economic, and political developments that shaped European civilization since the Reformation

231 American History to 1865 (3)

232 American History Since 1865 (3)

297 Sophomore Seminar (3)
Historical methods, historiography, and directed research

311 Ancient Greece and Rome (3)
Cultural, intellectual, and political developments in Greece and Rome, including the origins of Christianity

313 The Medieval World (3)
Europe from the founding of Constantinople to the late medieval period

317 History of Twentieth-Century International Relations (3)
The Paris Peace Conference and aftermath, failure of the League of Nations, the road to World War II, World War II, the Cold War, emergence of the Third World, the Common Market

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

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
327 Modern Russia (3)  
The pre-revolutionary background and the Soviet period

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

341 North Carolina History (3)  
The social, political, economic, and ethnic history of North Carolina from the colonial era to the present

354 American Military History (3)  
Military affairs in the United States from the Revolution to the present, emphasis on war as a social institution

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

362 Latin American History II (3)  
Revolutions, independence, struggle for political stability, popular government on trial, contests of hegemony, rise of indigenous nationalism

370 Early China (3)  
A chronological introductory survey of all aspects of traditional Chinese society from prehistory to the end of the 1700s

371 Modern China (3)  
Late Imperial China and the Nationalist and Communist revolutions

389 Cooperative Education in History (1 or 3, R15)  
See Cooperative Education Program

411 Western Imperialism, 1500 to the Present (3)  
Western imperialism in Americas, Africa and Asia, World War I and its aftermath, the roots of Third-World independence movements

412 Early Modern Europe (3)  
The Reformation, development of the modern state, Scientific Revolution, rise of capitalism, social change

413 Europe in the Eighteenth Century (3)  
The Old Regime, wars of expansion, the Enlightenment, the French Revolution and Napoleon

414 Europe in the Nineteenth Century (3)  
Post-Napoleonic settlement, internal, colonial, and imperial developments, unification movements, background for World War I

416 Europe in the Twentieth Century (3)  
World War I, the Paris Peace Conference, domestic developments, the rise of "isms" in Russia, Italy, and Germany, World War II, postwar reconstruction and reorganization, the Cold War

431 Colonial America, 1492-1763 (3)  
Political, social, economic, and cultural characteristics

432 The Revolutionary Era, 1763-1800 (3)  
Causes and effects of the revolution, the War for Independence, the Constitution, the Federalist Era
433 The Young Republic, 1800-1848 (3)
Jeffersonian democracy, War of 1812, Era of Good Feelings, Jacksonian democracy, western expansion, the Mexican War

434 Civil War and Reconstruction, 1848-1877 (3)
Sectional differences, the secession movement, military operations, Reconstruction

435 Emergence of Industrial America, 1877-1929 (3)
Growth and conflict of organized industry and labor, agrarian decline and revolt, American Imperialism, progressive reform, World War I, postwar crises and prosperity

436 The United States Since 1929 (3)
Great Depression, New Deal, World War II, role as Cold-War superpower, domestic developments

442 African American History (3)
Role of African Americans in American history, African background, religious, cultural, economic, and political institutions, civil rights, struggles, tension between assimilation and black nationalism

443 The American South (3)
Social structure and economic interests of the Antebellum South, impact of Civil War and Reconstruction, the New South, the twentieth-century South, emphasis on regional differences and social transition

445 Cherokee History (3)
Pre-contact Cherokee society, acculturation, removal, post-removal development of the Cherokee Nation West and the Eastern Band of the Cherokees

446 Southern Appalachian Culture (3)
History and folkways in the period of geographic isolation, changes in regional culture in an age of improved transportation and communications

451 American Women's History (3)
Role of women in American history, conflicting and changing ideologies of femininity and sexuality, women in the family, workplace, and politics

463 History of the Mexican Nation (3)
Mexico since 1810, nineteenth-century conflicts, revolution, 1910-1917, progress to the present

472 Local History and Genealogy (3)
Role of the family and community in shaping state, regional, and national developments, emphasis on research techniques and local resources Lecture and fieldwork

473 Archives and Museum Management (3)
Preservation, management, and display of archival materials and museum artifacts, with emphasis on museum management Lecture and fieldwork

475 Historical Editing (3)
Analysis of manuscripts, government documents, and transcripts of oral testimony, emphasis on evaluation, selection, transcription, and annotation of materials and completion of an editorial project Lecture and fieldwork

478 Historic Sites and Historic Preservation (3)
Aspects of historic preservation, emphasis on aesthetic, legal, financial, and public relations considerations Lecture and fieldwork

483 Internship Project in History (3, 3, 3)
Work experience on historical problems, written assignments required S/U grading

485 9 hours per week per course

493 Topics in History (3, R12)
### Hospitality Management (HM)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
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| 498         | Senior Seminar (3)                                | A comparative study of European and American ideas and institutions and the impact on the history of each culture  
PREQ 297 or permission of department head |

**Graduate Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
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<tbody>
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<td>511</td>
<td>Western Imperialism, 1500 to the Present (3)</td>
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<td>512</td>
<td>Early Modern Europe (3)</td>
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<td>513</td>
<td>Europe in the Eighteenth-Century (3)</td>
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<td>514</td>
<td>Europe in the Nineteenth-Century (3)</td>
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<td>516</td>
<td>Europe in the Twentieth-Century (3)</td>
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<td>531</td>
<td>Colonial America, 1492-1763 (3)</td>
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<td>532</td>
<td>The Revolutionary Era, 1763-1800 (3)</td>
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<td>533</td>
<td>The Young Republic, 1800-1848 (3)</td>
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<td>534</td>
<td>Civil War and Reconstruction, 1848-1877 (3)</td>
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<td>535</td>
<td>Emergence of Industrial America, 1877-1929 (3)</td>
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<td>536</td>
<td>The United States since 1929 (3)</td>
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<td>542</td>
<td>African-American History (3)</td>
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<td>543</td>
<td>The American South (3)</td>
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<td>545</td>
<td>Cherokee History (3)</td>
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<td>546</td>
<td>Southern Appalachian Culture (3)</td>
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<td>551</td>
<td>American Women's History (3)</td>
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<tr>
<td>563</td>
<td>History of the Mexican Nation (3)</td>
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<tr>
<td>572</td>
<td>Local History and Genealogy (3)</td>
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<tr>
<td>573</td>
<td>Archives and Museum Management (3)</td>
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<tr>
<td>575</td>
<td>Historical Editing (3)</td>
<td></td>
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<tr>
<td>578</td>
<td>Historic Sites and Historic Preservation (3)</td>
<td></td>
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<tr>
<td>589</td>
<td>Cooperative Education in History (3)</td>
<td></td>
</tr>
<tr>
<td>593</td>
<td>Topics in History (3, R12)</td>
<td></td>
</tr>
<tr>
<td>597</td>
<td>Cooperative Education in History (3)</td>
<td></td>
</tr>
<tr>
<td>680</td>
<td>Readings in History I, II, III, IV (3, R6 per course)</td>
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<tr>
<td>681</td>
<td>Readings in History I, II, III, IV (3, R6 per course)</td>
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<td>682</td>
<td>Readings in History I, II, III, IV (3, R6 per course)</td>
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<td>683</td>
<td>Readings in History I, II, III, IV (3, R6 per course)</td>
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<tr>
<td>688</td>
<td>Internship in History (1-3, R3)</td>
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<tr>
<td>693</td>
<td>Problems in American History (3, R9)</td>
<td></td>
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<tr>
<td>695</td>
<td>Seminar in American History and American Studies (3)</td>
<td></td>
</tr>
<tr>
<td>699</td>
<td>Thesis (3, R12)</td>
<td></td>
</tr>
<tr>
<td>979</td>
<td>Continuing Research - Non-Thesis Option (1, R10)</td>
<td></td>
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<tr>
<td>999</td>
<td>Continuing Research - Thesis Option (2, R24)</td>
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</tbody>
</table>

**Undergraduate Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>130</td>
<td>Introduction to the Hospitality Industry (3)</td>
<td>Survey of management specialties in the industry, emphasis on food systems administration, current trends and problems</td>
</tr>
</tbody>
</table>
| 333         | Quantity Foods (3)                                | Methods of quantity food production, planning, purchasing, storing, preparing, and serving foods  
PREQ Permission of instructor  
2 Lecture, 3 Lab |
| 335         | Lodging Management (3)                            | Functions of management applied to lodging operations, emphasis on procurement, principle, and techniques in hotel room division management  
2 Lecture, 2 Lab  
PREQ 130 |
| 338         | Computer Applications in the Hospitality Industry (3) | Application of computer technology in the hospitality industry  
PREQ 335 COREQ 333 |
| 339         | Cost Control in the Hospitality Industry (3)      | Theories and techniques of controlling costs of food and beverage, and labor cost in hotels and restaurants, analysis and evaluation of financial performance of the settings  
PREQ ACCT 161 or 251 |
| 389         | Cooperative Education (1 or 3, R15)              | See Cooperative Education Program                                             |
| 430         | Food Systems Management (3)                       | Functions of management applied to food service systems, emphasis on food service equipment, layout and design, menu development, procurement, and production management  
PREQ 333 COREQ MGT 300 |
| 431         | Hospitality Marketing Management (3)             | Application of marketing principles and practices in the hospitality industry, emphasis on consumer behavior, market analysis, marketing mix  
PREQ 333, 335, MKT 301 |
| 433         | Strategic Planning in the Hospitality Industry (3) | Application of theories and concepts of strategic management in hospitality management, cases in hospitality industry, domestic and multinational, are analyzed  
PREQ 335, 339, 430, and 431 |
480 Independent Study (1-3, R6)

483 Internship (3, 3, 3)
484 Integration of theory and practice in a setting appropriate to the student's career field
485 S/U grading  PREQ  Permission of instructor  9 hours per week per course

493 Topics (1-3)

Graduate Courses
532  Food Systems Management II (3)

**Human Resource Development (HRD)**

**Graduate Courses**

589  Cooperative Education in Human Resource Development (3)
605  Orientation to Human Resource Development (3)
610  Human Resource Development (3)
612  Instructional Design (3)
620  The Design and Use of Instructional Gaming Simulations (3)
660  Career Development/Management Systems (3)

590  Program Evaluation (3)
670  Managing the Human Resource Development Function (3)
683  Field Experience in Human Resource Development (3)
693  Topics in Human Resource Development (3, R6)
698  Seminar in Human Resource Development (3)
979  Continuing Research - Non-Thesis Option (1, R10)

**Industrial Distribution (ID)**

230 Industrial Distribution (3)

The flow of industrial goods and services through the industrial distributor

360 Industrial Distribution Organization (3)

Survey of organizational structure in manufacturing industries

370 Product Management and Inventory Control (3)

The study of the many aspects of industrial distribution product management. Topics to be covered may include computer systems and their uses, purchasing, and warehouse management. PREQ 230 or permission of instructor

479 Industrial Distribution Seminar (3)

Covers through research, lecture and field trips, electronic date interchange, just-in-time distribution, distribution finance, bar coding, take-offs and quotes from catalogs and specifications, other innovative concepts. PREQ 230, 360 or permission of instructor

480 Problems in Industrial Distribution (1-3)

Independent study of problems in industrial distribution, project required. PREQ Industrial distribution major and permission of instructor

493 Special Topics (1-3, R6)

PREQ Industrial distribution major and permission of instructor

**Industrial and Engineering Technology (IET)**

151 Computer-Aided Drafting with AutoCAD (3)

Fundamentals of computer-aided drafting using AutoCAD. Topics include basic commands, rules, drafting commands, printing, plotting, and two-dimensional projects related to facilities layout. 2 Lecture, 2 Lab

152 (IDSN 152) Architectural Drafting and Design (3)

Designing and drawing a complete set of residential plans, dimensioning, sections and
details, elevations, schedules, concepts and techniques of house construction, and surface treatments  PREQ 151 or permission of instructor  6 Studio

310 CADD for Interior Design (3)
Computer-aided drafting for interior designers, applications of AutoCad and PowerDraw software to produce two-dimensional drawings  PREQ 152, IDSN 253, satisfaction of computer literacy requirement, or permission of instructor

342 (IDSN 342) Architectural Construction Process (3)
Principles of HVAC, plumbing, electrical, building materials and construction techniques, and working with codes  PREQ  IDSN 152  6 Studio

352 (IDSN 352) Architectural Detailing and Design (3)
Casework, furniture, and architectural detailing and design  PREQ 152, 342  6 Studio

353 Orthographic Rendering and Design (3)
In-depth experiences in axonometric drawing and rendering, completing orthographic rendering of residential house plans, expanding plumbing plans, sky lighting, and use of alternate building materials  PREQ 151, 152 or permission of instructor

389 Cooperative Education in Industrial Technology (1 or 3, R15)
See Cooperative Education Program

409 History and Philosophy of Vocational Education (3)

410 Topics in CADD (3, R6)
Advanced applications using state-of-the-art CAD programs, operating systems, hardware configurations, and operational procedures  PREQ MET 231 or IET 310 or permission of instructor

420 Polymer Technology (4)
Industrial fabrication techniques, topics in polymer science and mold construction  3 Lecture, 2 Lab

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

424 Facilities Management and Maintenance (3)
Introduction to management and maintenance of residential, commercial, and industrial building systems  Systems for heating, cooling, electrical, communications, water, waste water, protective coatings, and roofing  PREQ Junior standing

430 Occupational Analysis and Course Construction (3)
Principles and techniques of selecting, analyzing, and arranging teaching activities

432 Shop/Laboratory Organization and Management (3)
Supplies, equipment, safety, development of a planned facility for industrial/vocational education  Typically offered in fall semester of years with even numbers  PREQ Permission of department head

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 Cooperative Vocational Education (3)
Preparation for teachers seeking certification, emphasis on needs of trade and industrial teachers
PREQ permission of instructor

437 Student Organizations in Vocational Education (3)
Techniques of planning and advising organizations

472 Automated Systems (3)
Electronic sensing, logic, and control functions applied to automated systems
PREQ IET 371 2 Lecture, 2 Lab

480 Problems in Industrial and Engineering Technology (1-3, R6)
Independent study in industrial, technical, or vocational education, project required
PREQ Permission of advisor and instructor

493 Special Topics (1-3, R6)
PREQ Permission of instructor

Graduate Courses
510 Topics in CADD (3 R6)
603 Applied Research and Design of Experiments (3)
514 (HE 514) Career Exploration (3)
610 (HE 610) Vocational/Technical Evaluation (3)
522 Advanced Polymer Technology (3)
630 Trends in Industrial Education (3)
524 Facilities Management and Maintenance (3)
632 Administration of Industrial Education (3)
534 Plant Layout (3)
636 Cooperative Vocational Education (3)
335 Industrial Safety (3)
Standards and practices for industrial and educational safety related to local, state, and federal safety regulations

536 Environmental Instrumentation (3)
Basic instrumentation techniques used to measure industrial safety and health hazards
PREQ 335 2 Lecture, 2 Lab

537 Management of Safety Systems (3)
Comprehensive, organized management approach for identifying, measuring, and reducing operational errors leading to accidents
PREQ 335

538 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
Electricity (3)
Direct and alternating current sources, circuits, circuit analysis  
PREQ MATH 144 or 145, PHYS 130 2 Lecture, 2 Lab

Electronics (3)
Solid state devices, power supply, amplifiers, and logic circuits  
PREQ 370 or EET301 2 Lecture, 2 Lab

Fluid Systems (3)
Basic fluid mechanics, hydraulic and pneumatic systems used in industrial manufacturing processes  
PREQ MATH 144 or 145, PHYS 130 2 Lecture, 2 Lab

Industrial Technology Seminar (3)
Trends, issues, and selected topics pertinent to industrial operations and practices  
PREQ Industrial technology major and senior standing

Interior Design (IDSN)

Architectural Drafting and Design (3)
Designing as drawing a complete set of residential plans, dimensioning, sections and details, elevations, schedules, concepts and techniques of house construction, and surface treatments 6 Studio

Introduction to Interior Design (2)
Study of principles and elements of design as applied to interior environments and creative problem solving

History of Furniture and Design I (3)
Survey of art, architecture, and furniture from ancient time to the nineteenth century

History of Furniture and Design II (3)
Development of art, architecture and furniture from nineteenth century to the present

Space Planning (3)
Evaluation of principles and elements of universal design as related to residential/commercial floor plans and spatial models  
PREQ 152 and 153 or permission of instructor 6 Studio

Perspective Drawing (3)
Application of free-hand and technical drawing as related to rendering techniques of interior and exterior spaces  
PREQ 152, 153, ART 132 or permission of instructor

Survey of Interior Materials (3)
Analysis of manufacturing process, source, specification, and application of interior materials  
COREQ 153 or permission of instructor

Lighting Design and Color (3)
Survey of natural and artificial lighting, sources, physiological and psychological response to light and color  
Application of light and color to residential/commercial interiors  
PREQ 152, 253 6 Studio

Residential Design I (3)
Fundamentals of interior planning with emphasis on the social, private, and work areas of various residential environments  
PREQ 253 6 Studio

CADD for Design (3)
Advanced application of design problem solving  
PREQ IET 151 or permission of instructor 1 Lecture 6 Studio
342 (IET 342) Architectural Construction Process (3)
Principles of HVAC, plumbing, electrical, building materials and construction techniques, and working with codes  PREQ  152  6 Studio

352 (IET 352) Architectural Detailing and Design (3)
Casework, furniture, and architectural detailing and design  PREQ  152, 342  6 Studio

353 Residential Design II (4)
Fundamentals of interior planning with emphasis on residential environments, design methodology, floor plans, spatial concepts, elevations, material application and presentation  PREQ  258  6 Studio

357 Contract Design I (3)
Fundamentals of interior planning with emphasis on commercial/institution environments, design methodology, floor plans, spatial concepts, elevation material application and presentation  PREQ  353  6 Studio

389 Cooperative Education in Interior Design (1 or 3, R15)
See Cooperative Education Program

451 Kitchen and Bath Design I (3)
A focus beyond the elementary level on building construction related to kitchen design industry standards, design and layout, and presenting, selling, and installation  PREQ or COREQ  353 or permission of instructor  2 Lecture, 2 Lab

452 Kitchen and Bath Design II (3)
A focus beyond the elementary level on building construction related to bath design industry standards, design and layout, and presenting, selling, and installation  PREQ, or COREQ  353 or permission of instructor  2 Lecture, 2 Lab

455 Senior Research (2)
Supervised project directed toward a topic selected in consultation with the instructor  PREQ  310, 357

456 Contract Design II (3)
Comprehensive application of facility management and programming as related to commercial and/or institutional projects  PREQ  357  6 Studio

457 Senior Project (2)
Application of senior research project  PREQ  455  4 Studio

458 Professional Practice in Interior Design (3)
Methods of organizing and marketing design services, use of business forms and contracts  PREQ  456

460 Problem Solving in Design (3)
Creative problem solving provides an opportunity to apply advanced design concepts and/or theories in a specific area of study  PREQ  258 or permission of instructor  6 Studio

480 Independent Study in Interior Design (1-3, R6)
PREQ  Permission of instructor

483 Internship (3, 3, 3)
484 Integration of theory and practice in a setting appropriate to the student’s career field
485 S/U grading  PREQ  357, 358, or permission of instructor  9 hours per week per course
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Prerequisites</th>
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</thead>
<tbody>
<tr>
<td>493 Topics in Interior Design (3, R9)</td>
<td>Examination of current topics and trends in interior design</td>
<td>PREQ Permission of instructor</td>
<td></td>
</tr>
<tr>
<td>300 Introduction to Management (3)</td>
<td>Principles, issues, and practices of managing in modern organizations</td>
<td>COREQ HM 430 for HM majors</td>
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<tr>
<td>301 International Management (3)</td>
<td>Managerial functions and skills applied to the international business environment</td>
<td>PREQ 300</td>
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<tr>
<td>302 Labor-Management Relations (3)</td>
<td>Critical roles of labor unions, legislative bodies and government regulations, negotiation of collective bargaining agreements and dispute resolution</td>
<td>PREQ 300</td>
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</tr>
<tr>
<td>304 Human Resource Management (3)</td>
<td>Staffing, training, evaluating, and rewarding employees, developing and implementing effective personnel programs</td>
<td>PREQ 300</td>
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</tr>
<tr>
<td>305 Quantitative Business Analysis (3)</td>
<td>Models for decision-making in operations management, including forecasting, network analysis, queuing theory, and simulation</td>
<td>Problem-solving, total quality management and statistical process control are also introduced COREQ 300</td>
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</tr>
<tr>
<td>306 Behavioral Science in Organizations (3)</td>
<td>Examination of individual and collective human behavior in organizations</td>
<td>PREQ 300</td>
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</tr>
<tr>
<td>389 Cooperative Education in Management (1 or 3, R15)</td>
<td></td>
<td>See Cooperative Education Program</td>
<td></td>
</tr>
<tr>
<td>400 Organization Theory (3)</td>
<td>Structure and process at the organizational level, size, complexity, formalization, goals, centralization and decentralization, and environment</td>
<td>PREQ 306</td>
<td></td>
</tr>
<tr>
<td>401 Small Business Management (3)</td>
<td>Operations and strategies of small firms, integration of functional areas, economic, social, political, technological, and governmental factors</td>
<td>PREQ 300 or permission of instructor</td>
<td></td>
</tr>
<tr>
<td>402 Production and Operations Management (3)</td>
<td>Management processes for the creation of products and services, analytical techniques and controls</td>
<td>PREQ 305</td>
<td></td>
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<tr>
<td>405 Compensation Management (3)</td>
<td>Design of compensation systems based on economic, behavioral science, and public policy models</td>
<td>PREQ 304</td>
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<tr>
<td>407 Interpersonal Behavior (3)</td>
<td>Managerial interpersonal relationships, listening behavior, self-awareness</td>
<td>PREQ 300</td>
<td></td>
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<tr>
<td>480 Independent Research (3)</td>
<td>Supervised, student initiated research project</td>
<td>PREQ Permission of department head</td>
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</tr>
<tr>
<td>483 Internship in Management (3, 3, 3)</td>
<td>Supervised work or research in applications of previously studied theory</td>
<td>S/U grading</td>
<td></td>
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<tr>
<td>484</td>
<td></td>
<td>PREQ Junior standing, 2.0 GPA, written application, permission of department head Minimum of 10 hours per week</td>
<td></td>
</tr>
</tbody>
</table>
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 business core and management major courses

Graduate Courses
605 Organizational Behavior and Analysis (3)  611 Production and Operations Management (3)
606 Quantitative Analysis for Business I (3)  613 Management of International Operations (3)
607 Strategic Management (3)  614 Managerial Career Development (3)
608 Human Resource Administration (3)  682 Research Project in Management (3, R6)
609 The Collective Bargaining Process (3)  693 Topics in Management (3, R6)

Manufacturing Engineering Technology (MET)

132 Engineering Graphics (3)
Forms of industrial drawing, orthographic and pictorial projections, sketching and basic drawing board procedures  2 Lecture, 2 Lab

141 Manufacturing Materials and Processes (3)
Fundamentals of industrial materials, their mechanical, physical, and chemical nature as related to manufacturing processes  2 Lecture, 2 Lab

231 Engineering CADD (3)
Exposure to the broad spectrum of automated graphics and computer-aided design PREQ 132  2 Lecture, 2 Lab

242 Machining Processes (3)
Techniques of industrial machining processes PREQ 132, 141, MATH 144 or 145, PHYS 130  2 Lecture, 2 Lab

321 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 132, MATH 146, PHYS 130  2 Lecture, 2 Lab

331 Quality Control I (3)
Techniques for monitoring and assuring quality PREQ 141, and MATH 170, or permission of instructor  2 Lecture, 2 Lab

332 Quality Control II (3)
A continuation of MET 331 with emphasis on probability distribution, sampling, advanced control charting, reliability, and design of experiments PREQ 331 and MATH 170, or permission of instructor  2 Lecture, 2 Lab

341 CNC Machining Technology (3)
Programming, procedures, formats, standards, and protocols commonly used in the control of industrial machine tools PREQ 231, 242, and MATH 146  2 Lecture, 2 Lab

342 Manufacturing Analysis and Planning (3)
Analysis of manufacturing system efficiency Throughout calculation, identification of bottlenecks, inventorying systems, production systems 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
431 Automated Manufacturing (3)
Automated manufacturing systems, strategies, and methods commonly used in modern manufacturing. Emphasis on control methods and computer integration. PREQ 231, 342 and EET 302 and CS 130, or permission of instructor. 2 Lecture, 2 Lab

436 Engineering Economic Analysis (3)
The study of economics as applied to engineering decision making. PREQ 342 and MATH 144 or 145, or permission of instructor.

441 Fluid Power and Systems Analysis (3)
The study of hydrostatic fluid power components and systems specifically focused on industrial and manufacturing applications. PREQ 231 and PHYS 130 and MATH 153, or permission of instructor. 2 Lecture, 2 Lab.

463 Manufacturing Planning and Cost Estimating (3)
Correlation of design and manufacturing requirements, planning manufacturing operations for parts and assemblies, time/cost estimates. PREQ ID 130.

478 Senior Design Project Proposal (1)
Research methodology, literature review, and industrial project writing styles, culminating in a written report proposal for a senior project. S/U grading. PREQ Senior standing and permission of instructor. COREQ 479.

479 Senior Design Project (3)
Organizing, planning, and implementing a project using acceptable industrial techniques culminating in a formal written report and oral presentation. PREQ or COREQ 478. 1 Lecture, 4 Lab.

493 Special Topics (1-3, R6)
PREQ Permission of instructor.

Graduate Courses

536 Engineering Economic Analysis (3)
641 Quality Assurance (3)
642 Automated Manufacturing Systems (3)
648 Manufacturing Research and Analysis (3)

Marketing (MKT)

301 Principles of Marketing (3)
Principles, issues, and practices of marketing to both consumers and businesses in the domestic and global economies.

302 Marketing Communications (3)
Role of communication in marketing, mass communications, media costs, audience analysis. PREQ 301.

303 Marketing Research (3)
The role of research in marketing decisions, emphasis on data gathering, compilation, analysis, and interpretation. PREQ 301, ECON 235.

304 Consumer Behavior (3)
Interdisciplinary study of buyer motivation and behavior, contributions of the behavioral sciences to consumer purchasing decision processes. PREQ 301.

306 Introduction to Professional Selling (3)
Sales persuasion skills, theories, and principles, simulated selling situations.
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>PRQ</th>
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<tbody>
<tr>
<td>310</td>
<td>Consultative Selling (3)</td>
<td>Building long-term customer relationships through consultative selling, delivering customer value, and satisfying customer needs</td>
<td>Permission of instructor</td>
</tr>
<tr>
<td>389</td>
<td>Cooperative Education in Marketing (1 or 3, R15)</td>
<td>See Cooperative Education Program</td>
<td></td>
</tr>
<tr>
<td>403</td>
<td>Advertising Management (3)</td>
<td>Planning and production of a professional advertising campaign</td>
<td>302</td>
</tr>
<tr>
<td>404</td>
<td>Retailing Management (3)</td>
<td>Retailing organization and management, including store location, merchandise management, expense analysis and control, and current issues and trends</td>
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</tr>
<tr>
<td>405</td>
<td>Marketing Management (3)</td>
<td>Nonmarketing majors and minors only, Marketing decision making studied from the managers viewpoint, emphasis on market analysis, planning, and strategy development</td>
<td>301</td>
</tr>
<tr>
<td>406</td>
<td>Channels of Distribution (3)</td>
<td>Theory and concepts in channel management, emphasis on structural, operational, and leadership decisions</td>
<td>301</td>
</tr>
<tr>
<td>407</td>
<td>International Marketing (3)</td>
<td>Problems, opportunities, and strategies in an international marketing environment, trade concepts and theories, cultural, political, legal, and financial constraints</td>
<td>301</td>
</tr>
<tr>
<td>409</td>
<td>Relationship Marketing and Negotiation (3)</td>
<td>Focuses on the evolution of relationship marketing, interpersonal and group relationship development, and negotiation skills</td>
<td></td>
</tr>
<tr>
<td>410</td>
<td>Advanced Professional Selling (3)</td>
<td>Applications oriented role-plays and real business setting assignments and exercises to build skills and experience</td>
<td>Permission of instructor</td>
</tr>
<tr>
<td>420</td>
<td>Sales Management (3)</td>
<td>Managing salespeople positioning, training, motivation, compensation, territory design, quota development, customer relationships</td>
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</tr>
<tr>
<td>475</td>
<td>Marketing Strategy and Management (3)</td>
<td>Marketing majors and minors only, A capstone course that integrates the collection of individual marketing concerns into a managerial decision making framework</td>
<td>301 and 6 hours of required marketing courses</td>
</tr>
<tr>
<td>482</td>
<td>Independent Study (1-3, R6)</td>
<td>Supervised, student-initiated project</td>
<td>Permission of instructor and department head</td>
</tr>
<tr>
<td>483</td>
<td>Internship in Marketing (3, 3, 3)</td>
<td>Supervised experience in applications of previously studied theory</td>
<td>S/U grading</td>
</tr>
<tr>
<td>484</td>
<td></td>
<td>PREQ Junior standing, 2.0 GPA, written application, permission of department head</td>
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<td>485</td>
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<td>Minimum of 10 hours per week</td>
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<tr>
<td>493</td>
<td>Topics in Marketing (1-3, R12)</td>
<td>PREQ Permission of department head</td>
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**Graduate Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>601</td>
<td>Marketing Management (3)</td>
<td>3</td>
</tr>
<tr>
<td>602</td>
<td>Marketing Research (3)</td>
<td>3</td>
</tr>
<tr>
<td>603</td>
<td>Consumer Behavior (3)</td>
<td>3</td>
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<tr>
<td>604</td>
<td>Marketing Communications (3)</td>
<td></td>
</tr>
<tr>
<td>682</td>
<td>Research Project in Marketing (3, R6)</td>
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</tr>
<tr>
<td>693</td>
<td>Topics in Marketing (3, R6)</td>
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</tr>
</tbody>
</table>
100 Elementary Algebra (3)
Basic algebraic skills: simplifying algebraic expressions, solving linear and quadratic equations, exponents, and radicals. Not open to students with credit for courses numbered 130 and above. Credit earned in this course will not count toward 128 hours required for graduation.

101 Mathematical Concepts (3)
Great ideas in mathematics, numbers and number patterns, logic and reasoning, induction, deduction, topics from algebraic and geometric structures, probability, statistics, calculus, and graph theory (F2).

130 College Algebra (3)
Real number properties, solving equations, inequalities, systems of equations, functions, and graphs. PREQ 100 or consent of the director of mathematics placement.

140 Introductory Calculus (5)
The differential and integral calculus of algebraic functions of one variable. PREQ 130.

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, analytic trigonometry. Credit not available for both MATH 144 and MATH 145. PREQ 130 or consent of the director of mathematics placement.

146 Algebra and Analytical Geometry (3)
Functions and graphs, polynomial, logarithmic, and exponential functions, mathematical induction, sequences and series, conic sections. PREQ 130 or consent of the director of mathematics placement.

153 Calculus I (4)
Limits, continuity, derivatives, and integrals of algebraic and trigonometric functions with applications. PREQ 145 and 146, or consent of the director of mathematics placement.

170 Applied Statistics (3)
Descriptive statistics, exploratory data analysis, probability distributions, correlation, regression, estimation, and hypothesis testing. PREQ 100 or consent of the director of mathematics placement.

230 Theory of Arithmetic I (3)
Logic, sets, relations, mathematical systems, counting, numeration systems, and algorithms for whole numbers.

231 Theory of Arithmetic II (3)
Measurement (metric system), number theory: integers, rationals, irrationals, and reals. PREQ 230.

250 Introduction to Logic and Proof (2)
An introduction to the principles of logic and the methods of proof necessary for the successful study of mathematics.

254 Matrix Theory (3)
Matrices and linear equations. Credit not available for both MATH 254 and MATH 262. PREQ 146, CS 150.

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

260 Informal Geometry (3)
Points, lines, planes, constructions, axiomatic structure of geometry and the nature of proof  PREQ 231

262 Introduction to Linear Algebra (3)
Systems of equations, matrices, vector spaces, and linear transformations  Credit not available for both MATH 254 and MATH 262  PREQ 250 and 153

270 Statistical Methods I (3)
Descriptive statistics, probability and sampling distributions, estimation, hypothesis testing  PREQ 170 or 146

286 Laboratory Practicum I, II (1, 1)
Materials for teaching elementary mathematical concepts, students design and conduct laboratory experiences  PREQ 231, middle-grades education major with math concentration or permission of instructor, 286 for 287  3 hours

300 Problem Solving (2)
Methods and techniques for problem solving in mathematics  1 Lecture, 2 Lab

310 (CS 310) Discrete Structures (3)
Graph theory planarity, eulerian, hamiltonian, colorings, and trees  Enumeration permutations, combinations, binomial distribution, generating functions, recurrence relations, and inclusion-exclusion  PREQ Junior standing or permission of instructor

315 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

320 Ordinary Differential Equations (3)
Differential equations of first order, first degree with applications, linear equations of higher order and numerical methods, special equations of second order  PREQ 256

331 Complex Variable Theory (3)
The complex number system, limits, continuity, derivatives, transcendental and multiple-valued functions, integration  PREQ 256

350 Operations Research (3)
Convexity, linear programming, simplex algorithm, duality, transportation problems, and integer programming  PREQ 254 or 262, 255

361 Introduction to Abstract Algebra (3)
Groups, rings, and fields  PREQ 250

370 Probability and Statistics I (3)
Elementary probability, discrete and continuous random variables, expectation, moments, sampling distributions, probability distributions, estimation, and hypothesis testing  PREQ 255

375 Statistical Methods II (3)
Analysis of variance, regression, and correlation, analysis of categorical data, distribution-free procedures  PREQ 270

386 Practicum (2)
Practical experience under faculty supervision for prospective teachers as teaching aides and as tutors  PREQ MATH 255, permission of department head  5 Lab
389 Cooperative Education in Mathematics (1 or 3, R15)  
See Cooperative Education Program

393 Topics in Mathematics (1-6, R6)  
PREQ Permission of department head

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

422 Advanced Calculus I (3)  
Sequences of real numbers, continuous functions, and differentiation  
PREQ 250 and 256

423 Advanced Calculus II (3)  
Differentiation including L'Hospital's rule and Taylor's theorem, integration theory, other classical topics  
PREQ 422

441 (CS 441) Introduction to Numerical Analysis (3)  
Finite differences, interpolation, numerical integration, and solutions to ordinary differential equations, linear systems, eigenvalues, eigenvectors, and errors  
PREQ 254 or 262, 255, CS 150

461 Abstract Algebra (3)  
Topics from abstract algebra including quotient groups and rings, rings of polynomials and field extensions, quaternions, homomorphism theorems  
PREQ 361

462 Linear Algebra (3)  
Topics from linear algebra including algebra of linear transformations, dual space, algebra of polynomials, determinants, eigenvalues, diagonalization, and selected applications  
PREQ 262

470 Probability and Statistics II (3)  
Point and interval estimation, hypothesis testing, decision theory, likelihood ratio and sequential testing, correlation and regression  
PREQ 370

479 Capstone Seminar (2)  
A course requiring written papers and oral presentations by students on historical and contemporary ideas from the current mathematical literature  
PREQ Senior standing

Graduate Courses

507 Survey of Algebra (3)  
508 Survey of Analysis (3)  
509 Mathematics for Secondary Teachers (3)  
512 Modern Geometry (3)  
523 Advanced Calculus II (3)  
541 Introduction to Numerical Analysis (3)  
561 Abstract Algebra (3)  
562 Linear Algebra (3)  
570 Statistical Theory II (3)  
589 Cooperative Education in Mathematics (3 R6)  
593 Topics in Mathematics (1-6, R6)  
601 Modern Mathematics for Teachers I (3)  
602 Modern Mathematics for Teachers II (3)  
603 Modern Mathematics for Teachers III (3)  
610 Computers in Education (3)  
620 Algebra (3)  
622 Analysis I (3)  
623 Analysis II (3)  
624 Complex Analysis (3)  
630 Mathematical Modeling (3)  
632 Methods of Applied Mathematics (3)  
634 Partial Differential Equations and Boundary Value Problems (3)  
640 Numerical Analysis (3)  
646 Numerical Linear Algebra (3)  
661 Applied Algebra (3)  
670 Advanced Statistical Theory (3)  
672 Advanced Statistical Methods (3)  
693 Topics in Mathematics (1-6, R6)  
694 Topics in Mathematics Education (1-6, R6)  
699 Thesis (3, R6)  
979 Continuing Research - Non-Thesis Option (1, R10)  
999 Continuing Research - Thesis Option (2, R24)
Middle Grades Education (EDMG)

621 Curriculum for Middle Grades Education (3)  
622 Teaching-Learning Strategies for the Middle Grades (3)  
623 Teaching Writing in the Middle Grades (3)

680 Research in the Middle Grades Proposal (1-3)  
681 Research for the Middle Grades Project (1-3)  
682 Trends and Issues in Middle Grades Education

The Professional Portfolio (2)

979 Continuing Research - Non-Thesis Option (1 R10)

Music (MUS)

101 (300) Music Appreciation (3)  
Study of the development of musical styles (P3b)

102 Music in American Culture (3)  
American history as reflected in folk, popular, and art music from 1607 to the present (P5)

110 Introduction to Instrumental Ensembles (1)  
Introduction to playing in instrumental ensembles using fundamentals required to function in a group setting 4 Lab (F5)

111 Introduction to Vocal Ensemble (1)  
Rehearsal and performance of a variety of choral works, audition required 3 Lab (F5)

112 Introduction to Piano (1)  
Group lessons in piano and the fundamentals of music for students who do not read music 2 Lab (F5)

113 Introduction to Singing (1)  
Group lessons in voice and the fundamentals of music for students who do not read music 2 Lab (F5)

117 Introduction to Guitar (1)  
Group lessons in guitar and the fundamentals of music for students who do not read music 2 Lab (F5)

152 Aural Skills Laboratory I, II (1, 1)  
153 Aural perception of rhythmic, melodic, and harmonic devices PREQ Permission of department head 2 meetings

177 Basic Music Theory Laboratory (2)  
An introduction to music reading, interval and chord identification, key signatures, and melodic structures PREQ Placement examination or permission of department head 4 Lab

178 Beginning Theoretical and Analytical Skills (4)  
Music theory skills up to and including secondary dominants and leading tone chords PREQ 177 or placement examination

181 Introduction to MIDI/Synthesis (1)  
Survey of MIDI devices, synthesis techniques, and contemporary music technology PREQ Permission of instructor 2 Lab

182 Computer Applications in Music (2)  
Use of the computer to prepare parts and scores, and to orchestrate and arrange music PREQ 152 and 177 or permission of instructor

252 Aural Skills Laboratory, III (1)  
Advanced aural perception of rhythmic, melodic, and harmonic devices PREQ 153 2 meetings

253 Aural Skills Laboratory, IV (1)  
Advanced aural perception of rhythmic, melodic, and harmonic devices PREQ 252 2 meetings
277 Theory and Literature I, II (3, 3)
Application of theoretical and analytical skills to literature  
PREQ 178 for 277, 277 for 278  3 meetings

301 Basic Skills (2)
Music fundamentals and elementary performance skills  3 meetings

302 Music for Classroom Teachers (2)
Methods and materials for teaching music in the elementary school  
PREQ 301  3 meetings

303 The World of Music (3)
Musical traditions of various world cultures in their social contexts  PREQ Gen Ed P3b and junior-level status  (P4)

305 Junior Recital (1)
Public performance  May be scheduled after hearing committee approval and completion of junior-qualifying examination  
PREQ Junior-level qualifying examination

325 Music in the Elementary and Middle School (3)
Problems in teaching and supervising the music program in the elementary and middle school  PREQ 278, admission to the teacher education program

326 Instrumental Methods and Materials (3)
Methods and materials used in instrumental teaching

327 Choral Methods and Materials (3)
Methods and materials used in developing the school choral program

350 Music History I, II (3, 3)
Western music from Middle Ages through the Baroque in 350, from the Classical period through the twentieth-century in 351  PREQ 278 or permission of department head and instructor

351 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

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

420 Studies in Music Literature (3, R9)
Historical and theoretical study of various forms of music literature  PREQ 351 or approval of instructor

425 Twentieth-Century Music (3)
Historical and theoretical issues in twentieth-century music  PREQ 351 or approval of instructor

428 Choral Conducting (3)
Study and application of gesture communication and analysis selected to choral conducting  PREQ 252, 278

429 Instrumental Conducting (3)
Application of techniques and analysis to instrumental conducting  PREQ 252, 278

470 Orchestration and Arranging (2)
Scoring and arranging for instrumental and vocal ensembles  PREQ 278
### 489 Internship (3, 6, 9, R9)
Faculty-supervised training in an approved agency. Minimum of 9 hours per week or 135 hours for each 3 credits, arranged with the agency and the music department.

PREQ: 378, BA 133, CIS 251, permission of department head.

### 493 Topics in Music (1-3, R12)
Issues in music performance, education, or the music business. PREQ: Permission of department head.

### 497 Seminar in Piano Pedagogy (1, R4)
PREQ: Approval of instructor, 2 Lab.

### 498 Seminar in Accompanying (1, R4)
PREQ: Approval of instructor, 2 Lab.

#### Graduate Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>503</td>
<td>Marching Band Techniques</td>
<td>2</td>
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<tr>
<td>504</td>
<td>Topics in Music (1-3, R9)</td>
<td></td>
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<tr>
<td>505</td>
<td>Studies in Music Literature (3, R9)</td>
<td></td>
<td></td>
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<tr>
<td>525</td>
<td>Twentieth-Century Music (3)</td>
<td></td>
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<tr>
<td>592</td>
<td>Orff-Schulwerk Level I (3)</td>
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<tr>
<td>593</td>
<td>Topics in Music (1-3, R12)</td>
<td></td>
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<tr>
<td>597</td>
<td>Seminar in Piano Pedagogy (1, R4)</td>
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<tr>
<td>598</td>
<td>Seminar in Accompanying (1, R4)</td>
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<td>601</td>
<td>Writing About Music (1)</td>
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<tr>
<td>611</td>
<td>Applied Music (1, R4)</td>
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<td>612</td>
<td>Applied Music (2, R8)</td>
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<tr>
<td>613</td>
<td>Applied Music (3, R9)</td>
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<tr>
<td>614</td>
<td>Applied Conducting (1, R4)</td>
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<tr>
<td>615</td>
<td>Applied Composition (2, R8)</td>
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<tr>
<td>621</td>
<td>History of Musical Theory (3)</td>
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<tr>
<td>622</td>
<td>Influences of Folk Traditions on Western Art Music (3)</td>
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<tr>
<td>640</td>
<td>Seminar in Music Pedagogy (3, R6)</td>
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<tr>
<td>650</td>
<td>Advanced Flute Repair (2, R8)</td>
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<tr>
<td>679</td>
<td>Lecture/Recital (3, R6)</td>
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<tr>
<td>680</td>
<td>Independent Study (1, R6)</td>
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<tr>
<td>693</td>
<td>Orff-Schulwerk Level II (3)</td>
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<tr>
<td>694</td>
<td>Orff-Schulwerk Level III (3)</td>
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<tr>
<td>695</td>
<td>Music Education Seminar (3)</td>
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<tr>
<td>699</td>
<td>Thesis (3)</td>
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</tbody>
</table>

#### Performance Courses

Credit is earned on the basis of one hour for each half hour of individual instruction per week. The courses are listed in prerequisite order. The two-hour courses are open only to music majors in the principal performance area. All other students take the one-hour courses. Permission of the department head is required. Passing a qualifying examination is prerequisite for 2/332, 2/336, 2/342, 2/346, 2/356, 2/362, and 2/366.

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brass</td>
<td></td>
<td>130, 131, 230, 231, 330, 331, 430, 431 (1 each)</td>
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<tr>
<td></td>
<td></td>
<td>132, 133, 232, 233, 332, 333, 432, 433 (2 each)</td>
</tr>
<tr>
<td>Percussion</td>
<td></td>
<td>134, 135, 234, 235, 334, 335, 434, 435 (1 each)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>136, 137, 236, 237, 336, 337, 436, 437 (2 each)</td>
</tr>
<tr>
<td>Piano</td>
<td></td>
<td>140, 141, 240, 241, 340, 341, 440, 441 (1 each)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>142, 143, 242, 243, 342, 343, 442, 443 (2 each)</td>
</tr>
<tr>
<td>Organ</td>
<td></td>
<td>144, 145, 244, 245, 344, 345, 444, 445 (1 each)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>146, 147, 246, 247, 346, 347, 446, 447 (2 each)</td>
</tr>
<tr>
<td>Harpsichord</td>
<td></td>
<td>150, 151, 250, 251 (1 each)</td>
</tr>
<tr>
<td>Voice</td>
<td></td>
<td>154, 155, 254, 255, 354, 355, 454, 455 (1 each)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>156, 157, 256, 257, 356, 357, 456, 457 (2 each)</td>
</tr>
<tr>
<td>Woodwind</td>
<td></td>
<td>160, 161, 260, 261, 360, 361, 460, 461 (1 each)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>162, 163, 262, 263, 362, 363, 462, 463 (2 each)</td>
</tr>
<tr>
<td>String</td>
<td></td>
<td>164, 165, 264, 265, 364, 365, 464, 465 (1 each)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>166, 167, 266, 267, 366, 367, 466, 467 (2 each)</td>
</tr>
<tr>
<td>Music Synthesis</td>
<td>188, 189, 288, 289, 388, 391, 458, 459 (2 each)</td>
<td></td>
</tr>
</tbody>
</table>

### 148 Piano Class I, II (1, 1)

### 149 Basic functional keyboard skills (2 meetings)
158 **Voice Class I, II (1, 1)**
Fundamental voice instruction 2 meetings

159 **String Class I (1)**
Playing stringed instruments, basic technical problems and teaching techniques 2 meetings

168 **Classroom Guitar Technique (1)**
Basic technical problems and teaching techniques 2 meetings

169 **String Class I (1)**
Playing stringed instruments, basic technical problems and teaching techniques 2 meetings

170 **Preparatory Applied Music (2, R4)**
Individual instruction for students not meeting prerequisites Not applicable to major PREQ Permission of department head 1 meeting

171 **Chorus (1, R8)**
Study and performance of representative choral works, open to any student meeting eligibility requirements 3 meetings

172 **Concert Choir (1, R8)**
Audition required, public performances 4 meetings

173 **Band (1, R8)**
Performance of a wide variety of music in the marching, symphonic, and concert bands, open to any student meeting eligibility requirements 4 meetings

174 **Orchestra (1, R8)**
Experience for advanced strings, wind, and percussion players, formal concerts and performances PREQ Permission of instructor

175 **Ensemble (1, R12)**
Performance in vocal or instrumental ensembles 2 meetings

184 **Functional Jazz Keyboard (1, R2)**
Functional keyboard skills in jazz and popular styles PREQ 152 and 177 or permission of instructor 2 meetings

248 **Piano Class III, IV (1, 1)**
Continuation of 148 and 149 2 meetings

249 **Piano Class III, IV (1, 1)**
Continuation of 148 and 149 2 meetings

258 **Diction for Singers I (1)**
Fundamentals of the International Phonetic Alphabet and the principles utilized in a singing pronunciation of English and Italian

259 **Diction for Singers II (2)**
Continuation of the International Phonetic Alphabet and the principles utilized in a singing pronunciation of German and French PREQ 258 or permission of instructor

270 **Brass Class I (1)**
Brass performance and pedagogy related to trumpet 2 meetings

271 **Woodwind Class I (1)**
Playing clarinet and saxophone, basic technical problems and teaching techniques 2 meetings

272 **Percussion Class (1)**
Playing percussion instruments, basic technical problems and teaching techniques 2 meetings

273 **Brass Class II (1)**
Playing horn and low brass, basic technical problems and teaching techniques PREQ 270 2 meetings
274 **Woodwind Class II (1)**  
Playing flute and double reeds, basic technical problems and teaching techniques  
2 meetings

279 **Wind and Percussion Class I (1)**  
Class for voice and keyboard music majors, music minors, and music focus area students  
2 Lab

283 **MIDI/Synthesis Class (1)**  
Topics, equipment, and pedagogy of MIDI/Synthesis  
PREQ 152 and 177 or permission of instructor  
2 meetings

284 **Synthesizer Masterclass (1, R8)**  
Group lessons in MIDI/Synthesis for secondary students  
PREQ 181 and 182 or permission of instructor

348 **Piano Class V, VI (1, 1)**  
349 Continuation of 248 and 249  
2 meetings

370 **Ensemble (1, R12)**  
Performance in vocal and instrumental ensembles  
PREQ 175 or permission of department head

371 **University Chorus (1, R8)**  
Study and performance of representative choral works, open to any student meeting eligibility requirements  
3 meetings  
PREQ 171 or permission of department head

372 **Concert Choir (1, R8)**  
Audition required, public performances  
4 meetings  
PREQ 172 or permission of department head

373 **Band (1, R8)**  
Performance in a wide variety of music in the marching, symphonic, and concert bands, open to any student meeting eligibility requirements  
4 meetings  
PREQ 173 or permission of department head

374 **Orchestra (1, R8)**  
Experience for advanced strings, wind, and percussion players, formal concerts and performances  
PREQ 174 or permission of department head

448 **Piano Class VII, VIII (1, 1)**  
449 Continuation of 348 and 349, must be elected in sequence until piano proficiency is satisfied, credit not applicable toward major requirements  
2 meetings

**Graduate Courses**

594 **Topics in Music (1-3 R9)**  
611 **Applied Music (1, R4)**  
612 **Applied Music (2 R8)**  
613 **Applied Music (3, R9)**  
675 **Ensemble (1, R6)**  
696 **Seminar in Choral Techniques and Materials (3)**  
979 **Continuing Research - Non-Thesis Option (1, R10)**  
999 **Continuing Research - Thesis Option (2, R24)**

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**Natural Resources Management (NRM)**

150 **Introduction to Natural Resources Management (1)**  
Exploration of varied career opportunities, career and program planning advisement, professional values and requirements, exposure to professionals in field  
2 lab/discussion/demonstration

340 **Natural Resource Measurements (4)**  
Basic land, climatic, hydrologic, and vegetative measurements used in resource management  
3 Lecture, 2 Lab
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>342</td>
<td>Microcomputer Applications in NRM (1)</td>
<td>Applications of spreadsheets, database management, and specialized computer software to problems in natural resources management</td>
<td>1</td>
<td>Lab</td>
</tr>
<tr>
<td>344</td>
<td>Introduction to Geographic Information Systems (3)</td>
<td>Introduction to and applications of geographic information systems in natural resources management</td>
<td>2 Lecture, 2 Lab</td>
<td>PREQ CS 101, NRM 342 or permission of instructor</td>
</tr>
<tr>
<td>351</td>
<td>Forest Ecology (3)</td>
<td>The study of forests as integrated ecological systems, energy transfer, nutrient cycling, communities, succession, disturbance, and their roles in productivity and management</td>
<td>2 Lecture, 2 Lab</td>
<td>PREQ BIOL 232, NRM 340 or permission of instructor</td>
</tr>
<tr>
<td>352</td>
<td>Forest Resource Measurements (3)</td>
<td>Principles of applications in measuring forest resources Measurements of trees and stands for volume, quality, growth, land areas, and other forest resources</td>
<td>2 Lecture, 2 Lab</td>
<td>PREQ 340 or permission of instructor</td>
</tr>
<tr>
<td>389</td>
<td>Cooperative Education in NRM (1 or 3, R15)</td>
<td>See Cooperative Education Program</td>
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<tr>
<td>440</td>
<td>Integrated Resources Management (4)</td>
<td>Natural resources management exercises, project and strategic planning, map and quantitative integration techniques, group dynamics</td>
<td>2 Lecture, 4 Lab</td>
<td>PREQ 340, 442, or permission of instructor</td>
</tr>
<tr>
<td>442</td>
<td>Natural Resources Policy and Administration (3)</td>
<td>Policy and administrative principles, case studies on the evolution of policy in the United States, current issues</td>
<td>2 Lecture, 2 Lab</td>
<td>PREQ NRM major, junior standing, or permission of instructor</td>
</tr>
<tr>
<td>451</td>
<td>Foundations of Silviculture (4)</td>
<td>Principles of silviculture and their applications to the major forest types of the United States Site and management requirements of important tree species</td>
<td>3 Lecture, 2 Lab</td>
<td>PREQ 351, 352 or permission of instructor</td>
</tr>
<tr>
<td>452</td>
<td>Forest Management (4)</td>
<td>Principles of forest management at stand and forest levels, forest growth, regulation, harvesting, and multiple-use management</td>
<td>3 Lecture, 2 Lab</td>
<td>PREQ 451 or permission of instructor</td>
</tr>
<tr>
<td>460</td>
<td>Watershed Management (3)</td>
<td>Principles of watershed management for analysis and control of water yield, timing, and quality in single-and multiple-use situations</td>
<td>2 Lecture, 2 Lab</td>
<td>PREQ 340 or permission of instructor</td>
</tr>
<tr>
<td>470</td>
<td>Land Suitability Classification (3)</td>
<td>Study and application of land suitability classifications systems</td>
<td>2 Lecture, 2 Lab</td>
<td>PREQ 340, 344, GEOG 305, or permission of instructor</td>
</tr>
<tr>
<td>480</td>
<td>Independent Study (1-3, R6)</td>
<td>PREQ NRM major and permission of program coordinator</td>
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<tr>
<td>493</td>
<td>Topics in NRM (1-3, R6)</td>
<td>PREQ Permission of program coordinator</td>
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</table>

**Nursing (NSG)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Credits</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>Nursing Ethics through the Life Span (1-3)</td>
<td>Moral problems of everyday nursing practice, emphasis on the nurse's role in moral reasoning</td>
<td>1-3</td>
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</tbody>
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301 Professional Transitions in Nursing (3)
The development of the profession and of professional nurse roles and the processes through which they are conducted. PREQ Admission to the nursing sequence.

302 Health Promotion in the Community (3)
Families as recipients of nursing care, wellness and promotion of health for individuals, families, and other groups in the community. PREQ 301 or permission of instructor.

340 Basic Nursing Skills (3)
Psychomotor nursing skills essential to the care and comfort of patients, scientific principles underlying nursing procedures. PREQ Admission to the nursing sequence. 2 Lecture, 3 Lab.

350 Dimensions of Professional Nursing (2)
The development of the profession and of professional nurse roles. PREQ Permission of instructor. 1 Lecture, 1 Seminar.

353 Nursing Science I (4)
Fundamental nursing processes and concepts, emphasis on health maintenance and wellness, the normal prenatal patient as a major model. PREQ Admission to the nursing sequence. COREQ 383.

355 Nursing Science II (4)
Concepts of health care introduced, influences of pathophysiology and psychopathology and appropriate nursing strategies for selected client models. PREQ 383. COREQ 385.

360 Health Care of Women (2)
Review of women's health care, the functions of women's bodies, and personal responsibility for health.

383 Clinical Practicum I (3)
Application of psychomotor skills, interpersonal and nursing processes to the care of individuals, emphasis on the nursing role in health maintenance. PREQ Junior standing. COREQ 353. 9 Lab.

384 Practicum in Community Health Nursing (3)
Application of wellness concepts and health promotion in the nursing care of families and other groups in community settings. PREQ 302 and 399 or permission of instructor. 9 Lab.

385 Clinical Practicum II (4)
Care of ill individuals and families in acute care and a variety of community settings; nursing role in preventing and treating illness emphasized. PREQ 383. COREQ 355. 12 Lab.

389 Cooperative Education in Nursing (1 or 3, R15)
PREQ 355. See Cooperative Education Program.

393 Topics in Nursing (1-4, R12)
PREQ Permission of instructor.

399 Seminar: Professional Nursing Knowledge and Skills (2)
Registered nurse students demonstrate or provide documentary evidence of satisfactory level of competence in basic professional nursing knowledge and skills. S/U grading. PREQ Permission of instructor.

405 Gerontological Nursing (1-3)
The aging process, health assessment and promotion in the aged, identification of frequent alternations in health and appropriate nursing interventions. PREQ Permission of instructor.
460 Nursing Leadership and Management (3)
Leadership theory in the management of clients, peers, and other healthcare providers in nursing service settings  
PREQ 385 or permission of instructor  
2 Lecture, 1 Seminar

466 Nursing Science III (5)
Application of the nursing process for complex client models, including the childbearing family, the hospitalized child and family, and the mentally ill client  
PREQ 385  
COREQ 486

467 Nursing Science IV (5)
Planning nursing care in hypothetical situations for the ill adult with complex healthcare problems  
PREQ 385  
COREQ 487

470 Nursing Research (3)
Research design in the study of nursing problems, interpretation of research emphasized  
PREQ Permission of instructor

475 Perspectives of the Nursing Profession (2)
The impact and implications of current and evolving trends on the future practice of nursing  
PREQ Permission of instructor  
1 Lecture, 1 Seminar

480 Independent Study (1-3, R6)
PREQ Permission of instructor  
S/U Grading

482 Readings in Nursing (3)
PREQ Permission of instructor

483 Practicum in Clinical Management (3)
Application of management principles in the care of clients with complex health problems  
COREQ 460 or permission of instructor  
9 Lab

486 Clinical Practicum III (4)
Application of nursing strategies to the care of the child-bearing family, the hospitalized child and family, and the mentally ill client  
PREQ 385  
COREQ 466  
12 Lab

487 Clinical Practicum IV (4)
Application of wellness-illness concepts, nursing and other processes, and nursing skills with individuals and multiproblem families in complex healthcare agencies, experience in the managerial role of the nurse  
PREQ 385  
COREQ 467  
12 Lab

Graduate Courses
601 Advanced Practice Nursing Roles and Professional Issues (3)
610 Theory for Advanced Practice Nursing (2)
611 Research for Advanced Practice Nursing (3)
616 Economics and Organization of Health Care (3)
621 Pathophysiology and Differential Diagnosis (3)
622 Advanced Pharmacology (4)
623 Advanced Health/Physical Assessment (4)
624 Family Health Promotion in the Rural Community (3)
670 FNP I Social and Behavioral Health Problems (2)
673 FNP II Reproductive Health and the Childbearing Family (3)
674 FNP III Primary Care of Children and Adolescents and Selected Episodic Health Problems Across the Lifespan (3)
675 FNP IV Primary Care of Adults and Elderly Adults and Selected Chronic Health Problems Across the Lifespan (3)
679 Research Project (2)
683 FNP II Clinical Management (2)
684 FNP III Clinical Management (2)
685 FNP IV Clinical Management (4)
686 FNP V Primary Care Clinical Practicum (3)
699 Thesis (3, R6)

Nutrition and Dietetics (ND)

231 Food Science (4)
Scientific principles of food preparation, effect of preparation practices on food quality and nutrient retention, storage and preservation principles  
3 Lecture, 3 Lab

300 Food Facts and Fads (3)
Effects of food processing and preservation, safety of the food supply, food choices and health
330 Human Nutritional Needs (3)
Principles of nutrition, needs throughout the life cycle, selection of well-balanced diets for health and well-being

334 Nutritional Applications (3)
Application of nutritional principles to diet planning, nutrient analysis including computer-aided analysis, and nutritional assessment. PREQ 330 or permission of instructor. 1 Lecture, 4 Lab

336 Normal Nutrition (2)
Principles of human nutrition, emphasizing nutrients and factors affecting utilization in the human body. PREQ BIOL 292, CHEM 133

337 Therapeutic Nutrition (2)
Physiological and biochemical abnormalities in disease, principles of nutritional therapy. PREQ BIOL 292, CHEM 133

389 Cooperative Education in Nutrition (1 or 3, R15)
See Cooperative Education Program

431 Food Preservation (3)
Principles and procedures for food preservation, home methods, principles of home food sanitation and spoilage, food storage techniques. PREQ 231 or permission of instructor. 2 Lecture, 2 Lab

433 Research Methods in Nutrition (3)
Standard procedures for nutrient analysis, including proximate analysis of foods, introductory experimental design and methodology. PREQ 231, MATH 170 or PSY 251. COREQ 436. 2 Lecture, 4 Lab

434 Experimental Methods of Foods (3)
Advanced food science principles and techniques of sensory and objective evaluation of foods. PREQ 231, CHEM 133. 2 Lecture, 4 Lab

436 Advanced Human Nutrition (4)
Normal nutrition related to biochemical and physiological functioning, interrelationships of nutrients and their effect on body needs. PREQ 334, BIOL 292, CHEM 133. COREQ 433

437 Diet Therapy (4)
Mechanisms by which food contributes to maintenance of health, prevention of disease, and correction of nutritional disorders. PREQ 436. COREQ 439

439 Introduction to Professional Practice (3)
Introduction to professional ethics, conduct in patient care, utilization of laboratory values, nutritional assessment, and dietary management. COREQ 437. 2 Lecture, Clinical

480 Independent Study in Nutrition (1-3, R6)
PREQ. Permission of instructor

483 Internship (3, 3, 3)

484 Integration of theory and practice in a setting appropriate to the student’s career field.

485 S/U grading. PREQ. Permission of instructor. 9 hours per week per course

Graduate Courses
531 Food Preservation (3)
533 Research Methods in Nutrition (3)
534 Experimental Methods of Foods (3)
536 Advanced Human Nutrition (4)
537 Diet Therapy (4)
538 Clinical Experience in Dietetics (1)
539 Introduction to Professional Practice (3)
630 Nutrition Throughout the Life Cycle (3)

635 Nutrition Education (3)
636 Protein, Carbohydrates, and Lipids (3)
637 Advanced Diet Therapy (3)
638 Community Nutrition (3)
639 Vitamins and Minerals (3)
681 Practicum in Clinical Dietetics (3, R6)
682 Practicum in Administrative Dietetics (3 R6)
683 Practicum in Community Dietetics (3)
693 Topics in Nutrition and Food Science (1-3, R9)
Office Administration and Business Education (OA)

Graduate Courses

601 Trends and Issues in Business Education (3)
602 (IET & HE 602) Vocational Education History and Philosophy (3)
603 Research in Business Education (3)
605 Managerial Communication (3)
683 Internship in Vocational Business Education (3)
684 Internship in a Business Firm (1-3)
693 Topics in Business and Office Education (1-3, R9)
695 Seminar in Business and Office Education (3)

Parks and Recreation Management (PRM)

150 Career Opportunities in Parks and Recreation (1)
Exploration of varied career opportunities, career planning advisement, professional values and requirements, exposure to professionals in the field 2 Lab/discussion/demonstration

250 Foundations of Parks and Recreation Management (3)
Concepts, philosophical orientations, and aspects of recreation, play, and leisure. The organization of leisure and recreation as a service and profession PREQ 150 or permission of instructor

254 Introduction to Outdoor Pursuits Education (3)
Instructional techniques for outdoor pursuits. Back country characteristics are reviewed in terms of hazards, use ethics, and safety 2 Lecture, 2 Lab

256 Outdoor First Aid (3)
Training for outdoor professionals to administer comprehensive first aid in remote areas. Possible certification through the National Ski Patrol for Winter Emergency Care and CPR 2 Lecture, 2 Lab

270 Leadership and Group Dynamics in Recreation (3)
Emphasis will be on appropriate theories and techniques for specific clientele and the different populations that are encountered as a recreation professional

313 Camp Counseling (3)
This course is designed to prepare students for positions as camp counselors and provides the foundations for further preparation toward camp administration

314 Organization and Administration of Camping Agencies (3)
The nature of camping, trends, elements of camp design and management

321 Outdoor Education and Interpretation (3)
Theory and principles of outdoor education as an interdisciplinary approach to learning in a recreational or educational setting 2 Lecture, 2 Lab

330 (SM 330) Aquatic Recreation Management (3)
Organization, programming, facility design, and maintenance in various aquatic recreational environments. Course may lead to Certified Pool Operator certification

361 Program Planning and Evaluation in Parks and Recreation Management (3)
Designed to equip students with a variety of program planning methodologies, including proposal and grant writing. Evaluative research methods are also included PREQ SOC 231 and SOC 385 or permission of instructor 2 Lecture, 2 Lab

370 Internship Orientation (1)
Orientation to the internship, preparation of personnel records, applications, resumes, and agency contracts. Preparation for entry into the profession interview and application techniques PREQ SOC 385 and SOC 231, or permission of instructor 2 Lab

383 Internship in Parks and Recreation Management (1-3, R3)
S/U grading PREQ Permission of program coordinator Minimum of 3 hours per credit hour
389 Cooperative Education in PRM (1 or 3, R15)  
See Cooperative Education Program

420 Administration and Leadership of Outdoor Pursuits (3)  
Implementation of outdoor pursuits programs Includes planning and leadership components, outdoor adventure-based administrative techniques, and risk management  
PREQ 254 or permission of instructor 2 Lecture, 2 Lab

425 Land-Based Outdoor Pursuits Education (3)  
Land-based outdoor instruction in mountain activities, caving, and rescue techniques Includes institutional teaching techniques used by different agencies and adaptations for people with disabilities  
PREQ 254 or permission of instructor 2 Lecture, 2 Lab

426 Water-Based Outdoor Pursuits Education (3)  
Water-based outdoor instruction in canoeing, kayaking, rafting, and rescue techniques Includes institutional teaching techniques used by different agencies and adaptations for people with disabilities  
PREQ 254 or permission of instructor

430 Entrepreneurship and Commercial Recreation (3)  
Analysis of types of commercial and private recreation enterprises, probable trends and directions, requirements for and procedures for planning and organizing commercial recreation services

433 Outdoor Recreation (3)  
An overview of the professional aspects of outdoor recreation, including classification systems, policies of management agencies, and the perspectives of individuals, non-profit and commercial groups

434 High Adventure Travel and Outfitting (3)  
History, development, and organization of these activities  
PREQ Permission of instructor 2 Lecture, 2 Lab

435 Park and Recreation Sites, Facilities, and Programs (1-6, R6)  
Planned tour to study specific types of parks and recreation sites, facilities, and/or programs related to current issues and practices 1 Lecture or 2 Lab per credit hour

440 Travel and Tourism (3)  
The travel and tourist industry, national and international, locational characteristics, terminology, demographics, economic impact and trends, attitudes and skills required  
PREQ Permission of instructor 2 Lecture, 2 Lab

461 Management and Administration of PRM Services (3)  
Management, organization, and supervision in recreation and leisure service administration Includes entre/intrapreneurship, planning processes, marketing, fiscal strategies, human services, evaluation, and research  
PREQ 250 or permission of instructor

480 Independent Study (1-3, R6)  
PREQ Permission of program coordinator

483 Internship in Parks and Recreation Management (3, 3, 3)  
Placement in a cooperating agency to relate classroom learning to practice S/U grading  
PREQ 370, 2.0 GPA, permission of program coordinator 9 hours per week per course

486 Field Experience (1-12)  
Field experience in cooperation with existing programs such as North Carolina Outward Bound School and Nantahala Outdoor Center  
PREQ Permission of instructor 1-12 Lab

493 Topics in Parks and Recreation Management (1-3, R6)  
PREQ Permission of program coordinator 1 Lecture, 2 Lab

495 Senior Seminar in Parks and Recreation Management (1)  
Current trends and issues, individual research topics, employment decision making,
graduate school advisement, presentation of internship experience  PREQ Permission of instructor  2 Lab/discussion

Graduate Courses

580 Independent Study (1-3, R6)
583 Internship in Parks and Recreation Management (1-3, R6)
593 Topics in Parks and Recreation Management (1-3 R6)

Philosophy (PHIL)

101 Western Philosophical Traditions (3)
Examination of ways in which philosophers have interpreted reality, knowledge, and the nature of values  (P3a)

230 Reason and Rhetoric (3)
A study of reasoning in legal, philosophical, political, scientific, and other contexts with attention to rhetorical as well as logical uses of language

231 Introduction to Ethics (3)
A treatment of questions of ethical values as they appear in both contemporary and historical contexts

232 Introduction to Symbolic Logic (3)
Propositional and predicate logic, logic of modality, theory of logic

304 Ancient Philosophy (3)
The Pre-Socratics, Plato, and Aristotle

305 Medieval Philosophy (3)
Selected medieval philosophers, such as Augustine, Anselm, Averroes, Maimonides, Bonaventure, Aquinas, Scotus, and Ockham

306 Modern Philosophy (3)
Sixteenth to eighteenth centuries the British empiricists and Continental rationalists

307 Nineteenth-Century Philosophy (3)
Kant, Hegel, and other selected nineteenth-century philosophers, such as Fichte, Marx, Mill, Kierkegaard, and Nietzsche

308 Contemporary Philosophy (3)
Selected movements in contemporary philosophy, such as analytic philosophy, existentialism, phenomenology, process philosophy, and pragmatism

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

330 American Philosophy (3)
Study of major philosophers in America James, Dewey, Peirce, Mead, Whitehead, Santayana, and Lewis

340 Epistemology (3)
Primary problems in the theory of knowledge in Western philosophy  PREQ 3 hours in philosophy excluding 101 and 201, or permission of instructor
341 Metaphysics (3)
Central metaphysical issues in Western philosophy  PREQ 3 hours in philosophy excluding 101 and 201, or permission of instructor

393 Topics in Philosophy (1-3, R6)
PREQ Permission of instructor

493 Seminar in Philosophy (3, R9)
PREQ 6 hours in philosophy, excluding 101 and 201, or permission of instructor

Graduate Courses
593 Topics in Philosophy (1-3, R6)

Physical Education (PE)

101 Yoga (1)
Adapted yoga postures and breathing, foundations for meditation  2 meetings  (F5)

102 Basic Water Safety Skills (1)
Basic water skills, Level III Stroke Readiness, American Red Cross swimming outline  2 meetings  (F5)

103 Intermediate/Advanced Swimming and Aquatic Sports (1)
Swimming strokes and diving, American Red Cross Level VII Advanced Skills, water polo, basketball and volleyball skills rules and strategy  PREQ 102 or equivalent  2 meetings  (F5)

104 Lifesaving (1)
American Red Cross outline, applicable toward lifesaving certification  PREQ 103 or equivalent  2 meetings  (F5)

105 Water Safety Instructor-Lifeguarding Instructor (1)
American Red Cross training for water safety instructor and lifeguarding instructor certificates  PREQ Red Cross Level VII Advanced Swimming Skills  3 meetings  (F5)

107 Synchronized Swimming (1)
Creative patterns and movement with music  PREQ 103 or equivalent  2 meetings  (F5)

108 Canoeing (1)
PREQ 103 or equivalent  One 2-hour meeting  (F5)

109 Karate (1)
Basics of balance, movement, and flexibility as well as self defense  2 meetings  (F5)

113 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  (F5)

114 Jogging (1)
Principles and physiological benefits of running and aerobic exercise  2 meetings  (F5)

115 Weight Training (1)
Execution of various lifts, isotonic exercises, related health and safety factors  2 meetings  (F5)

116 Slimnastics (1)
Exercise and weight control, correlation of proper exercise to body proportions  2 meetings  (F5)
118 Aerobic Dance (1)
A physical fitness program utilizing simple dance routines and exercises  2 meetings (F5)

122 Beginning Tennis (1)
2 meetings (F5)

123 Beginning Golf (1)
2 meetings (F5)

124 Handball (1)
One-wall and four-wall handball  2 meetings (F5)

125 Racquetball (1)
One-wall and four-wall racquetball  2 meetings (F5)

126 Bowling (1)
2 meetings (F5)

127 Badminton (1)
Singles and doubles games  2 meetings (F5)

129 Archery (1)
2 meetings (F5)

130 Lifeguard Training (1)
American Red Cross outline for lifeguarding certificate  PREQ PE 103 or equivalent  
3 meetings (F5)

132 Basketball (1)
2 meetings (F5)

133 Volleyball (1)
2 meetings (F5)

134 Softball (1)
2 meetings (F5)

135 Soccer (1)
2 meetings (F5)

202 Casting (1)
Bait, spin, and fly casting, fundamentals and care of equipment  2 meetings (F5)

203 Gun Handling (1)
Shooting techniques, positions, gun laws, care of equipment  2 meetings (F5)

204 Snow Skung (1)
Meetings as announced (F5)

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 (F5)

206 Social, Line, and Folk Dance (1)
Skills, control, poise required in social, line, and folk dances  2 meetings (F5)

207 Fencing (1)
2 meetings (F5)

209 Advanced Tennis (1)
PREQ 122 or permission of instructor  2 meetings (F5)
210 Advanced Golf (1)
PREQ 123 or permission of instructor  2 meetings (F5)

214 Tumbling and Rebound Tumbling (1)
Tumbling and floor exercises, trampolining  2 meetings (F5)

215 Gymnastic Apparatus (1)
Long horse vault, parallel bars, horizontal bar, rings, side horse, uneven parallel bars, balance beam, and vault  2 meetings (F5)

228 Adapted Physical Education (1, R3)
Remedial and therapeutic activities  PREQ Permission of instructor and recommendation of a physician  2 meetings (F5)

230 Ice Skating (1)
Mechanical principles of ice skating, history, equipment, safety of ice skating as a recreational activity  2 meetings (F5)

231 Aquarobics (1)
Pool-based nonswimming aerobic activity for all ages and fitness levels  2 meetings (F5)

Major Courses

213 (SM 213) Introduction to Athletic Training (3)
Prevention of injuries, bandaging and the treatment of basic injuries in varsity athletics

250 Elementary School Physical Education Curriculum (2)
Physical education in relation to the total curriculum

251 Dance Dynamics (3)
Methods and materials in creative rhythms, singing games, folk dances, and modern dance  2 Lecture, 2 Lab

261 Skill Acquisition I, II, III (1, 1, 1)
262 Fitness activities aquatic, aerobic, and weight training skills in 261,
263 individual activities stunts/tumbling, tennis, and golf skills in 262, team activities volleyball, soccer, and basketball skills in 263  3 meetings

265 Sports Officiating I, II (2,2)
266 Rules, techniques, and mechanics in sports officiating, football, softball, baseball in 265, basketball, volleyball, soccer in 266

310 Management of Physical Education and Sport Activity (2)
Study of management functions of physical education, intramurals, and sport programs  2 Lecture, 1 Lab

311 (HEAL 311) Measurement and Evaluation (2)

312 Foundations of Health and Physical Education (3)
The basic physiological, psychological, and sociological principles and historical foundations

313 (SM 313) Psychological Aspects of Sport (3)
The psychological aspects of sport and coaching methods  PREQ Junior standing, SM 260 for SM majors

316 Administration of Recreational Agencies (2)
Organizational theory, facility, program, and personnel management in private and commercial recreational agencies  PREQ Permission of instructor
325 Physical Education Curriculum and Methods (3)
Class management, teaching methods, and program content for grades K-12  
PREQ Majors must be admitted to the professional education sequence  
Minors by permission of instructor

335 Anatomy and Physiology (4)
The study of the structure and function of the human body  
3 Lecture, 1 Lab

345 Elementary Physical Education (3)
Developmental approach to physical education for the elementary school program  
2 Lecture, 2 Lab

353 Methods and Teaching Analysis of Team and Individual Sports (3)
Methods, materials, and skills used in teaching sports soccer, tennis, volleyball, and tumbling  
PREQ 312 2 Lecture, 2 Lab

360 Skills in Promoting Healthful Living (3)
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

380 Independent Study (1-3)
A topic in health, physical education, or recreation agreed upon by student and instructor  
PREQ ENGL 102, permission of department head

383 Instructional Apprenticeship (1, R3)
Apprenticeship to develop teaching and leadership skills before student teaching  
PREQ Physical education major, permission of instructor 3 hours per credit hour

389 Cooperative Education in PE and Sports (1 or 3, R15)
See Cooperative Education Program

405 Outdoor Leisure Pursuits (1)
Application of principles of outdoor skills to planning, implementing, and evaluating K-12 school programs  
1 Lecture, 2 Lab

410 Coaching Baseball and Football (3)
History, methods, materials, skills, and strategies of coaching baseball and football  
PREQ Junior-level standing, 2 Lecture, 2 Lab

411 Coaching Basketball, Track, and Field (3)
Methods, materials, skills, and strategies for women's and men's basketball and track and field  
PREQ Junior-level standing, 2 Lecture, 2 Lab

418 Coaching Softball, Volleyball, and Gymnastics (3)
Methods, materials, skills, and strategies of coaching softball, volleyball, and gymnastics  
PREQ Junior-level standing, 2 Lecture, 2 Lab

423 Kinesiology (2)
Structure and function of the human muscular system as related to sports and activities  
PREQ 335

424 Methods in Adaptive Physical Education (2)
Physical injuries, disabilities, illnesses, experience in analysis and application of therapeutic modalities  
PREQ 423 or permission of instructor

425 Exercise Physiology (2)
The study of the acute and chronic effects of exercise on the human body  
PREQ 335 2 Lecture, 1 Lab

435 Motor Behavior (2)
Analysis of the various theories related to motor learning, including equipment,
### Graduate Courses

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<thead>
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<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>611</td>
<td>Physical Therapy Science I (3)</td>
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<td>612</td>
<td>Physical Therapy Science II (3)</td>
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<td>Methods and Analysis in Physical Education and Sport Instruction (3)</td>
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<td>665</td>
<td>Exercise Testing and Prescription (3)</td>
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<td>675</td>
<td>Issues in Intramurals and Athletics (3)</td>
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<td>676</td>
<td>Research Techniques in Exercise Physiology (3)</td>
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<td>694</td>
<td>Special Problems (1-3)</td>
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<td>696</td>
<td>Seminar/Practicum in Physical Education (3)</td>
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<td>699</td>
<td>Thesis (3 R6)</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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### Physical Therapy Science (PT)

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<td>632</td>
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<td>Scientific Inquiry I (2)</td>
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<td>642</td>
<td>Scientific Inquiry II (2)</td>
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### Physics (PHYS)

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>105</td>
<td>Contemporary Physics (3-4)</td>
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<tr>
<td>130</td>
<td>Introductory Physics I (4)</td>
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<tr>
<td>131</td>
<td>Introductory Physics II (4)</td>
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<tr>
<td>150</td>
<td>Perspectives on Physics and Technology (1)</td>
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### 105 Contemporary Physics (3-4)
Basic ideas in mechanics, heat, light, sound, electricity and magnetism, atomic and nuclear physics, applications in today’s society 3 Lecture, 2 Lab (optional) (P2)

### 130 Introductory Physics I (4)
Noncalculus-based treatment of motion, force, energy, and heat PREQ MATH 130 COREQ PHYS 130 lecture and PHYS 130 lab 3 Lecture, 2 Lab (Lecture - 3 credits, Lab 1 credit) (Lab is required)

### 131 Introductory Physics II (4)
A continuation of PHYS 130 covering electricity, magnetism, optics, and modern physics PREQ PHYS 130 COREQ PHYS 131 lecture and PHYS 131 lab 3 Lecture, 2 Lab (Lecture - 3 credits, Lab - 1 credit) (Lab is required)

### 150 Perspectives on Physics and Technology (1)
Inquiry-based course exploring applications of physics to solving real-world problems historical background, scientific viewpoints, current cutting-edge research, and careers in physics and technology 2 Lecture/Lab
230 General Physics I (4)
Calculus-based study of motion, force, energy, wave motion, and thermodynamics
PREQ MATH 153 COREQ PHYS 230 lecture and PHYS 230 lab 3 Lecture, 3 Lab
(Lecture - 3 credits, Lab - 1 credit) (Lab is required)

231 General Physics II (4)
A continuation of PHYS 230 covering electricity, magnetism, optics, and modern
topics PREQ PHYS 230 COREQ PHYS 231 lecture and PHYS 231 lab 3 Lecture, 3 Lab
(Lecture - 3 credits, Lab - 1 credit) (Lab is required)

302 Electronics (4)
Circuit theory, discrete devices, amplifiers, operational amplifiers, integrated circuits,
and digital techniques PREQ 131 and a course in differential and integral calculus
3 Lecture, 3 Lab

310 Modern Physics (3)
Special relativity, quantum physics, the wave nature of matter, atomic and nuclear
structure, and elementary particles PREQ 131 or 231, MATH 140 or 153

320 Mathematical Methods of Physics (3)
Complex numbers and functions, series, Fourier series, cylindrical and spherical polar
coordinate systems, ordinary and partial differential equations PREQ 131 or 231,
MATH 255

322 Optics (4)
Geometrical and physical optics, introduction to quantum optics PREQ 131, MATH
255 3 Lecture, 3 Lab

325 Thermodynamics (3)
Classical theory of heat, first and second laws of thermodynamics, enthalpy, entropy,
introductory kinetic theory, and statistical thermodynamics PREQ 131, MATH 256

330 (GEOL 330) Geophysics (4)
The physics of the Earth Topics include theory and applications of gravity, magnetics,
electricity, and seismicity to environmental and tectonic problem solving in geology
Field-oriented lab problems and applications PREQ 130 or 230 3 Lecture, 3 Lab

335 Astrophysics (3)
Introduction to the basic principles of astrophysics, stellar structure, stellar evolution,
galactic astronomy PREQ 231 or 131, MATH 256

360 Laboratory Physics (2)
Intermediate experiments in modern physics PREQ 131 or 231

380 Research in Physics (2, R8)
Physics research projects for individual students PREQ Permission of instructor

389 Cooperative Education in Physics (1 or 3, R15)
See Cooperative Education Program

410 Classical Mechanics (3)
Topics in analytical mechanics using vector operators and differential equations
PREQ 320 or MATH 256

420 Nuclear Physics (3)
Nuclear decay, models, reactions, fission, fusion, lab techniques of instrumentation,
gamma spectra, particle techniques PREQ 131 or 231 and a course in differential and
integral calculus 2 Lecture, 3 Lab
440 Electricity and Magnetism (3)
Topics in electricity and magnetism using vector operators and differential equations
PREQ 410 and 320 or MATH 320

450 Quantum Mechanics (4)
Origins of quantum theory, the Schrödinger equation, one-dimensional potentials, linear harmonic oscillator, spherically symmetric potentials and the hydrogen atom
PREQ 310, MATH 256

454 (CHEM 454) Computer Interfacing (3)
Digital logic, computer design, and interfacing with laboratory instruments
PREQ Permission of instructor
2 Lecture, 3 Lab

493 Topics in Physics (2-4)
PREQ 350 or permission of department head

495 Seminar in Physics (1)
S/U grading

Political Science (PSC)

106 (300) American Politics and Issues (3)
Analysis of current political institutions and their development within the cultural setting, associated problems and interrelationships with other social institutions (P1b)

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 (P4)

108 Global Issues in Politics (3)
Analysis of major international issues influencing the development of recent history (P5)

231 American Government and Politics (3)
The American political system, introduction to government institutions and how politics shapes policies

302 Problems and Policies of American Government (3)
Alternative public policies in selected areas: social welfare, health care, resources, labor, agriculture, civil rights, business, taxation, defense, and education

303 State and Local Government (3)
Structure and functions of state and local government, processes of policy formation

304 Public Administration (3)
Administrative theory and practice, implementation of governmental policies, case studies of the administrative process in such areas as business regulation, health care, and law enforcement

305 Congress (3)
Congress as an institution, its role in the formulation of national policies, case studies dealing with legislation in the various areas of national policy

306 American Presidency (3)
The chief executive, his advisers, role playing, and decisionmaking in the executive branch
307 Civil Service Administration (3)
Policies, methods, and techniques used in civil service systems, problems and procedures in the public sector (local, state, and national)

309 The Politics of Budgeting (3)
Budgetary aspects of national, state, and local government operations, budget formulation, execution and enactment, revenue resources, politics of process

310 Constitutional Law: Structure and Powers (3)
Analysis of judicial review, constitutional powers of the branches of government, federalism, sources of regulatory authority, and constitutional protection of political rights

315 European Political Systems (3)
Comparison of the political systems of selected nations

316 Politics of Developing Areas (3)
Comparative analysis of developmental processes pursued through political, military, economic, and administrative structures of Third-World nations, case studies

317 Politics of East Asia (3)
Selected political systems of East Asia, factors involved in political change and modernization

318 Soviet Political System (3)
The making of domestic and foreign policy by the Communist Party as a respondent to and a representative of the Russian political culture

319 Latin American Political Systems (3)
Institutions, groups, parties, and processes, problems of political development, modernization, and change

331 International Politics (3)
Components and characteristics of the international political system, conflict and cooperation in international relations, changing nature of international behavior

332 International Organization (3)
Global and regional organizations promoting settlement of disputes, collective security, economic development, human rights, self-government

333 International Law (3)
Rules and practices regulating such matters as state territory and jurisdiction, treaties, nationality and treatment of aliens, diplomatic and consular relations, warfare

334 United States Foreign Policy (3)
Policies governing America’s foreign relations, personnel and agencies responsible for policy implementation, role of the United States in world affairs since World War II

335 Problems in World Politics (3)
Contemporary issues in international politics, international problem-solving methods and applications

336 Mass Media and American Politics (3)
Examination and assessment of the power and influence of the mass media in American politics, emphasis on television

345 Ancient and Medieval Political Thought (3)
Political philosophers from Plato to Thomas Aquinas, their ideas examined and related to current issues

346 Modern Political Thought (3)
Political philosophers from Machiavelli to Mill, ideas providing the basis of modern political discussion and controversy examined
347 American Social and Political Eras (3)
American social and political ideas from the Federalist Papers to the present

348 Political Analysis (3)
Research methods and theoretical approaches for describing, explaining, and solving domestic and foreign policy problems  PREQ 231 or permission of instructor

351 Gender in Politics (3)
Gender roles examined in the context of national, state, and local government and politics

389 Cooperative Education in Political Science (1 or 3, R15)
See Cooperative Education Program

407 American Political Parties (3)
American political parties and their role in the government and politics of contemporary society, current national issues dividing the parties

421 Political and Organizational Leadership (3)
Concepts and processes of leadership related to political and public organizations  PREQ 6 hours in political science or permission of instructor

436 Dynamics of World Order (3)
Alternative approaches to meeting social and political needs in a changing global environment, conditions and practices of interdependence

480 Readings in Political Science (3)
PREQ Departmental permission

483 Internship in Political Science (3, 3, 3)

484 Work experience in a government or community agency applying academic studies to practice  S/U grading  PREQ Permission of department head  9 hours per week per course

493 Contemporary Political Systems (3, R6)
Problems in the structure and functions of selected political systems reflected against their political cultures

494 Seminar American Political Systems (3)
Current issues in American government and politics

Graduate Courses

507 American Political Parties (3)  593 Contemporary Political Systems (3, R6)
521 Political and Organizational Leadership (3)  595 Seminar The American Political System (3)
536 Dynamics of World Order (3)  693 Topics in Political Science (1-6, R9)
580 Readings in Political Science (3)  

Project Management (PM)

Graduate Courses

500 Tools for Financial Management (2)  652 Project Plan Development (6)
505 Introductory Statistics and Microeconomics (2)  654 Project Plan Analysis and Approval (6)
515 Legal and Ethical Issues (2)  656 Project Implementation Policies and Procedures (6)
650 Project Management Systems (6)  658 Project Implementation Monitoring and Production (6)
660 Project Completion and Professional Evolution (6)
979 Continuing Research - Non-Thesis Option (1, R10)

Psychology (PSY)

101 (301) Perspectives on Human Behavior (3)
Applications of basic methods of study and knowledge of human behavior in relation to the social, cultural, and physical environment (Pla)
250 General Psychology (3)
Overview of psychology and the scientific study of behavior, topics in social, abnormal, and developmental physiological psychology, and personality, sensation, perception, and learning

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 COREQ 252 for majors, minors, DFAs in psychology

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 250 or permission of instructor, COREQ 251 for majors, minors, DFAs in psychology

260 Introduction to Gerontology (3)
Introduction to the field of gerontology

280 Research in Psychology I (1-3, R3)
Introductory-level supervised bibliographical or research activity S/U grading PREQ Permission of instructor

310 Social Psychology (3)
Social influences on individual behavior, feelings, and thoughts, social-psychological approaches to problems of attitudes, conformity, leadership, and other group phenomena PREQ 250 or permission of instructor

313 Organizational and Industrial Psychology (3)
Structure, methods, techniques, and application of psychological concepts to human problems of work in organizations PREQ 250 or permission of instructor

320 Child and Adolescent Development (3)
Theories and principles of development from conception through adolescence PREQ EDCI 231 and admission to professional education sequence or permission of the psychology department head, field experience required

321 Educational Psychology (3)
Application of psychological principles to teaching, cognition, learning, motivation, measurement, individual differences, and behavior management PREQ For education majors EDCI 231, PSY 320, admission to teacher education program Field experience required

322 Adolescent Development Problems and Achievements (3)
Problems and achievements will cover theories and principles of adolescent development and problems specific to adolescence PREQ EDCI 231 and admission to professional education sequence or permission of the psychology department head, field experience required for education majors Twenty-two hours per semester of supervision field

325 Development Early Adulthood through Maturity (3)
Physiological, cognitive, emotional, psychological, and social development after adolescence PREQ 250 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 250 or permission of instructor

331 Human Sexuality (3)
Physiological, biochemical, psychological, social, and legal aspects of human sexual behavior
333 Psychology of Sex Differences (3)
Development of sex differences and similarities in cognition, personality, and social behaviors, the role of physiological, social, and cultural factors. PREQ 250 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 250 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 250 or permission of instructor.

389 Cooperative Education in Psychology (1 or 3, R15)
See Cooperative Education Program.

393 Topics in Psychology (3, R9)
PREQ 250 or permission of instructor.

410 Individual Psychology (3)
Theory and practice related to self-understanding, problem solving, and interpersonal relationships. PREQ 250 and 6 hours of psychology or permission of instructor.

426 Death and Dying (3)
Psychological foundations and correlates of death anxiety and grief, cross-cultural perspectives, death education and stages in children's awareness, coping with grief and fears. PREQ 250 or permission of instructor.

430 Personality (3)
Assumptions, constructs, and theories of personality, related empirical findings. PREQ 250 or permission of instructor.

440 Biological Psychology (3)
Physiological, genetic, and evolutionary bases of behavior. PREQ 250 or permission of instructor.

441 Health Psychology (3)
Psychological foundations of health and illness, exploration of the impact of thoughts, emotions, and behavior on the development, treatment, and prevention of illness and the maintenance of health. PREQ 250 or permission of instructor.

444 Language, Memory, and Cognition (3)
Theories and principles of human information processing, language production and comprehension, basic processes in memory and cognition. PREQ 250 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 250 or permission of instructor.

455 Systems and Theories in Psychology (3)
Systematic survey of psychology as a scientific endeavor from early approaches to contemporary schools and trends. PREQ 250 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 disasters.

470 Abnormal Psychology (3)
Theories of psychopathology, etiology, dynamics, symptomatology, diagnosis, and treatment. PREQ 250 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 250 or permission of instructor

480 Research in Psychology (1-6, R6)
Supervised research experiences for advanced students S/U grading PREQ 250, 251, 252, permission of instructor

483 Internship in Psychology (3, 3, 3, 3)
484 Application of theory, methods, and techniques in a cooperating agency under faculty supervision PREQ 2 0 GPA, 20 hours of psychology, and a course in methods of counseling, or permission of instructor 9 hours applicable to major 10 hours per week per course

495 Senior Seminar in Psychology (3)
Overview of the history and current state of psychology Discussions of important facts, issues, concepts, and theoretical perspectives in psychology PREQ Senior status as a psychology major

Graduate Courses

110 Individual Psychology (3)
526 Death and Dying (3)
530 Personality (3)
440 Biological Psychology (3)
441 Health Psychology (3)
444 Language, Memory, and Cognition (3)
448 Human Neuropsychology (3)
555 Systems and Theories in Psychology (3)
570 Abnormal Psychology (3)
174 The Emotionally Disturbed Child and Adolescent (3)
110 Advanced Social Psychology (3)
621 Advanced Educational Psychology (3)
624 Child Development (3)
625 Adolescent Development (3)
626 Adulthood and Aging (3)
550 Advanced General Psychology (3)
551 Advanced Research Methods (3)
552 Advanced Research Proposal Writing (2)
661 Psychological Assessment I (4)

662 Personality Assessment (3)
663 Assessment and Intervention with Infants (3)
664 Psychological Assessment II (3)
671 Advanced Psychopathology (3)
672 Psychotherapy I Theories (3)
673 Professional Issues (3)
675 Behavioral Interventions (3)
676 Psychotherapy II Techniques (3)
677 Group Psychotherapy (3)
678 Family Systems (3)
679 Survey of Clinical Psychology (3)
680 Directed Study in Psychology (3, R6)
683 Internship in Psychology (6, 6)
684 Practicum in Psychology (4)
693 Topics in Psychology (3, R9)
697 Seminar Behavioral/Emotional Evaluation of Children and Adolescents (3)
698 Rorschach Seminar (3)
699 Thesis (3 R6)
999 Continuing Research - Thesis Option (2, R24)

Public Affairs (PA)

Graduate Courses

571 Government Business Relations (3)
572 Public Policy Formulation (3)
570 Public Affairs Administration (3)
571 Budgetary Processes (3)
572 Governmental Organizations (3)

673 Public Policy Analysis (3)
674 Statistics and Decision Making (3)
675 Metropolitan Government (3)
676 Government and Press Relations (3)
685 Internship in Public Affairs (3)
979 Continuing Research -Non-Thesis Option (1 R10)

Reading (EDRD)

250 College Reading and Vocabulary (3)
Extending skills for college and recreational reading emphasis on vocabulary and comprehension

280 Speed Reading (3)
Techniques for improving reading speed, efficiency, vocabulary, and study habits, skimming, pacing, eye exercises, comprehension, and retention 2 Lecture, 2 Lab

323 Reading and Communication Skills in Content Areas (2)
Methods for teaching reading and other communication skills in content areas PREQ Admission to the professional education sequence
334 Reading Instruction in the Elementary School (3)
Methods and materials for teaching reading in grades K-6, integration of communication skills in the total developmental reading program PREQ Admission to the professional sequence or permission of the instructor

389 Cooperative Education in Reading (1 or 3, R15)
See Cooperative Education Program

443 Middle Grades Reading (3)
Methods and materials for teaching reading and other communication skills in the middle grades, emphasis on organization for instruction, word identification and comparison skills, and reading in content materials

453 High School and Adult Reading (4)
Methods and materials for teaching reading in high school and adult education PREQ

474 Practicum in Teaching Reading (3)
Assessment of reading problems and strategies for teaching reading PREQ 334 or 443 and EDEL 315 2 Lecture, 2 Lab

Graduate Courses

520 Phonics and Word Analysis (3) 676 Reading Workshop (3)
533 Reading and Communication Skills (3) 700 History and Psychology of Reading Instruction (3)
543 Middle Grades Reading (3) 710 Field Experience in Reading (3)
553 High School and Adult Reading (4) 720 Developing and Evaluating Reading Materials (3)
573 Practicum in Teaching Reading (3) 740 Reading Research Projects (3)
641 Seminar I Investigation and Research in Teaching Reading (3) 750 Reading Communication and Language Structure (3)
651 Clinical Procedures in Remedial Reading (3) 780 Independent Study in Reading Education (3)
661 Issues and Trends of Literacy Education (3) 795 Advanced Seminar in Reading (3)
672 Organization and Supervision of Reading Programs (3)

Recreational Therapy (RTH)

253 Psychomotor Activity Skills (2)
Active and passive activities used to improve functional abilities of clients in physical rehabilitation settings

340 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

352 Recreational Therapy Processes and Techniques (3)
Assessment, planning, implementation, and evaluation strategies attendant to recreational therapy service delivery PREQ 340

360 Recreational Therapy Services for the Elderly (3)
Addressing the physical, psychological, and social needs of the elderly through recreational therapy

389 Cooperative Education in Recreational Therapy (1 or 3, R15)
See Cooperative Education Program

395 Pre-Internship Seminar (1)
Overview of NCTRC standards for professional certification, personal communication skills, practicum documentation requirements, internship site selection, and bloodborne pathogen training PREQ RTH major, junior standing

396 Special Topics (1-3)
Administration of Recreational Therapy Services (3)
Contemporary recreational therapy program organizational principles and administrative issues. PREQ 340

Advanced Methods in Recreational Therapy (3)
Theoretical and practical examination of contemporary implementation procedures used in recreational therapy practice. Field trips required. PREQ 340 or permission of instructor. 2 Lecture, 2 Lab

Adventures in Recreational Therapy (3)
A theoretical and practical investigation of structured outdoor experiences as vehicles for facilitating human growth and development. Field trips required. PREQ PRM 321 or permission of instructor. 2 Lecture, 2 Lab

Independent Study (1-3)

Recreational Therapy Clinical Internship (6, 6)
Experience designed to integrate theory with practice, observation, fieldwork, and planning in a setting related to student's area of interest. PREQ RTH major and permission of curriculum coordinator. 3 hours per credit hour

Eastern Religious Traditions (3)
A survey of the major Eastern religious traditions, such as Hinduism and Buddhism, and an attempt to answer the question 'What is religion?'

Western Religious Traditions (3)
A historical study of Judaism, Christianity, and Islam, and their influences on Western civilization

Independent Study (1-3, R6)

Topics in Religion (3, R6)

Environmental Science for Teachers (3)
Materials and techniques for interdisciplinary projects

Topics in Science Education (1-3, 1-3)

Graduate Courses

621 Biology and Environmental Science for Teachers (3)
695 Seminar in Science Education (3, 3)

Secondary Education and Special Subject Teaching (EDSE)

Principles and Methods of Teaching (3)
Methods, strategies, materials, and techniques of clinical and classroom teaching. PREQ Admission to the teacher education program or permission of department head
486 Field Experience in Teaching (3, R6) 
Supervised experience for a second teaching certification or for an initial certification for individuals who are employed as full-time teachers 9 hours per week

487 Teaching Practicum in Clinical Settings (1, R3) 
Experience using teaching techniques, materials, and methods for individualized instruction in job-related settings S/U grading PREQ Junior standing and permission of advisor and department head 1 Lecture, 1 Lab

490 Supervised Student Teaching (9) 
A full-time teaching experience COREQ 495

492 Supervised Student Teaching in Health Education (6) 
COREQ 495

495 Student Teaching Seminar (3) 
Theory related to practice during student teaching COREQ 490, 492

Social Work (SOCW)

151 Introduction to Social Work (3) 
Social work as a profession, history, current practice settings, professional values and requirements

251 Social Welfare Policy and Programs (3) 
Historical development of social welfare policies, policy development and analysis, understanding the political process, the relationship to social work values PREQ PSC 231

253 Foundations of Social Work (3) 
Basic knowledge of the profession, emphasis on communication and interviewing skills and the generalist approach PREQ 151

304 School Social Work (3) 
Practice in the school system its content, history, and legal framework, special needs children, designs, delivery, and evaluation of services

310 Social Work With Groups (3) 
Knowledge of group dynamics, values, and methods with a focus on social work groups including self help, task, and behavioral

326 Child Welfare (3) 
Child welfare services, public and private programs, children’s rights, and issues affecting services for children and families

327 Social Work with Families (3) 
Concepts and skills for intervention with families, emphasis on use of family strength and community resources in family problem solving

329 Social Work with Older Adults (3) 
Concepts and skills for effective practice with the aging, needs and strengths of older people, community resources, professional approaches to intervention

330 Social Work in the Health Field (3) 
Concepts and skills for social work practice in hospitals, out-patient clinics, and other health settings

334 Human Behavior and the Social Environment I (3) 
Focus on the interaction of people with their environments from infancy to young adulthood A variety of theories and research about human growth and development are considered PREQ SOC 231, PSY 250, BIOL 134 (4 hours including lab) or permission of instructor
335 Social Work Research and Evaluation (3)
Scientific methods of research used in building practice knowledge and evaluating service delivery  PREQ  151, MATH 170

354 Human Behavior and the Social Environment II (3)
Focus on the interaction of people and their environments from middle to later adulthood. A variety of theories and research about human growth and development are considered  PREQ  334

362 Social Work Practice I (3)
Application of knowledge, values, and skills to social work practice individuals, families, and groups  PREQ  253 and admission to the social work program

364 Social Work Practice II (3)
Application of knowledge, values, and skills to social work practice organizations and communities  PREQ  253 and admission to the social work program

373 Social Welfare Policy: Issues and Analysis (3)
Current legal, political, economic, and social issues that influence the profession and practice of social work  PREQ  251

389 Cooperative Education in Social Work (1 or 3, R15)
See Cooperative Education Program

393 Topics in Social Work (3, R9)

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 Person, Environment, Culture (3)
Integration of human behavior and social environment, emphasis on selected subcultures and minority groups

481 Independent Study (1-3, R6)
PREQ  253 or permission of department head

486 Field Practicum (12)
Full-time supervised placement in selected human service agencies to integrate theory with practice and prepare for professional responsibility  PREQ  364 and admission to the social work program  COREQ  496 S/U Grading

496 Field Practicum Seminar (4)
Integration of content with field practice  PREQ  Admission to the social work program  COREQ  486

Graduate Courses

593 Topics in Social Work (1-3 R6)

Sociology (SOC)

103 (300) Human Society (3)
Analysis of human behavior in social and cultural contexts, emphasizing the sociological perspective  (P1a)

231 Principles of Sociology (3)
Analysis of human social behavior, basic concepts in current theory and research

235 Social Problems (3)
Problems of modern American society such as poverty, social conflict, corporate power and capitalism, alienation, and deviance
240 Social Change (3)
Changes in human societies through cultural, economic, social, and political processes, introduction to development and social movements PREQ 231 or permission of instructor

245 Social Inequality (3)
Social inequalities in wealth, income, prestige, and power, inequalities based on race, sex, and age PREQ 231 or permission of instructor

248 Rural Society (3)
Application of sociological concepts to rural environments, characteristics of rural population, social structure, social institutions, social change, structure of agriculture, local government structure and processes PREQ 231 or permission of instructor

250 Deviant Social Behavior (3)
Causes and control of individual and group rebellion or retreat from prescribed social norms

310 Demography (3)
Study of population characteristics, growth, and trends within a context of social, cultural, economic, and political systems PREQ 231 or permission of instructor

326 Gender Roles and Society (3)
Gender roles examined in a sociological context emphasizing the relationship between these roles and the pre-existing sexual stratification system PREQ 231 and 245, or permission of instructor

342 The Individual in Society (3)
Individual behavior in social context, social interaction PREQ 231 or permission of instructor

355 Criminology (3)
Nature, extent, and causes of criminal behavior, role of police, courts, and corrections, prevention and control programs PREQ 231 and 250, or permission of instructor

360 Sociology of Conflict and Conflict Resolution (3)
Analysis of sociological theories of social conflict, including Marx, Weber, Simmel, Coser, Dahrendorf, and Collins, case studies of conflict and conflict resolution stressing the applications of theory and research PREQ 231 or permission of instructor

371 Society and the Environment (3)
Analysis of the interaction between society and the physical environment, including population, pollution, resource depletion, and the effects on and responses of different social groups PREQ 231 or permission of instructor

380 (ANTH 380) Ethnographic Research Methods (3)

385 Methods of Social Research (3)
The logic of scientific inquiry, techniques of research used in sociology, including sample surveys PREQ 231 or permission of instructor

386 Analysis of Social Data (3)
Methods for presentation and analysis of social scientific data, descriptive and inferential techniques, measures of association PREQ 385

389 Cooperative Education in Sociology (1 or 3, R15)
PREQ 231 or permission of instructor See Cooperative Education Program

391 Sociological Theory (3)
The development of sociological theory, issues in classical and contemporary social thought PREQ 231 or permission of instructor
414 (ANTH 414) Minority Groups (3)
Relations between dominant and subordinate races and ethnic groups, historical and comparative aspects, African Americans, Chicanos, and Indians. PREQ 231 and 326, or permission of instructor.

418 Women and Development (3)
A cross-cultural overview of the impact of modernization on women's status and women's roles in the development process. PREQ 231 and 326, or permission of instructor.

420 Women of Color (3)
Life experiences and achievements of women of color in the United States are reviewed. Topics covered include activism, employment, education, health, family life, religion, and the media. PREQ 231 and 326, or permission of instructor.

423 (SM 423) Sociology of Sport (3)
Social issues in sport examined from historical, cross-cultural, and sociological perspectives with attention to impact of race, gender, and social class on participation. PREQ Junior standing, SM 260 for SM majors.

428 Sociology of Institutions (3)
Theoretical explanations of institutions including education, factories, retail, health care, government, media, and politics, and their influence on society. PREQ 231 or permission of instructor.

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 231 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 231 and 240, or permission of instructor.

448 Social Movements (3)
Social movements and collective behavior, mass efforts to promote or resist social change, comparison of riots, reform movements, and revolutions. PREQ 231 and 240, or permission of instructor.

480 Independent Study in Sociology (1-3, R6)
PREQ 231 or permission of instructor.

483 Internship in Sociology (3, 3, 3)
Application of theory and knowledge to work experience in a cooperating agency. S/U grading. 3 hours credit applicable to sociology major or minor. 9 hours per week per course. PREQ 231 or permission of instructor.

494 Topics in Sociology (1-3, R9)
PREQ Permission of instructor.

Graduate Courses
514 (ANTH 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)
594 Topics in Sociology (3, R6)
601 Rural Society (3)

Spanish (SPAN)

101 Spanish Language and Culture (3)
Elements of understanding, speaking, reading, and writing Spanish, basic grammatical concepts, lab practice required. (P3a)
105 The Spanish-Speaking World (3)
Study of Spanish culture and its relationship to the cultures of countries and regions where Spanish is spoken (P4)

110 Intensive Spanish I (6)
Developing skills in understanding, speaking, reading, and writing, emphasis on oral aspects, the Rassias Method Three hours credit only applicable to general education PREQ Permission of instructor 4 Lecture, 3 Lab, 5 Drill (P3a)

132 Elementary Spanish (3)
Continuation of Spanish 101 PREQ Placement or permission of department head

231 Intermediate Spanish I, II (3, 3)
Continuation of oral and written Spanish grammar, readings and discussion on Spanish culture and civilization, readings in more specialized areas, lab practice may be assigned PREQ 132 or equivalent or placement for 231, 231 or equivalent or placement for 232

240 Intensive Spanish II (6)
Continuation of 110, increasing emphasis on reading and writing skills PREQ Permission of instructor 4 Lecture, 5 Lab, 5 Drill

301 Spanish Composition (3)
Advanced course emphasizing writing skills PREQ 232 or equivalent, or placement, or permission of department head

302 Conversational Spanish (3)
Advanced course emphasizing topical dialogue PREQ 232 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 PREQ 232 or 240, sophomore standing, selection by faculty 10 Lab

310 Introduction to Spanish Prose and Poetry (3)
Introduction to Spanish literary texts, reading and analysis of literary works PREQ 232 or 240

320 Methods of Teaching Foreign Language (3)
Methods and materials for teaching second languages in grades K-12 PREQ Admission to professional sequence or permission of instructor

321 Spanish Civilization (3)
Geographical, political, cultural, and historical aspects of Spain PREQ 232 or 240 PREQ 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 PREQ 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 PREQ 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 PREQ or COREQ 301 and 302, or permission of department head
351 Spanish Phonetics and General Linguistics (3)
Analysis of the Spanish sound system, intensive drill in pronunciation, articulation, intonation, and rhythm, introduction to linguistics PREQ 232 or 240 PREQ or COREQ 301 or 302, or permission of department head

389 Cooperative Education in Spanish (1 or 3, R15)
PREQ 301, 302 See Cooperative Education Program

393 Special Topics in Spanish (1-3, R6)
PREQ 232 or 240

431 Studies in Spanish Peninsular Literature (3, R6)
Study of an author or authors, a genre, literary movement, school, or literary period of Spain PREQ 232 or 240 PREQ or COREQ 301 and 302, or permission of department head

432 Studies in Spanish-American Literature (3, R6)
Study of an author or authors, a genre, literary movement, school, or literary period of Latin America PREQ 232 or 240 PREQ or COREQ 301 and 302, or permission of department head

451 Advanced Spanish Grammar (3)
In-depth study of the structures and usage of the Spanish language PREQ 301 or permission of department head

452 Advanced Spanish Conversation (3)
Discussion of selected topics, reports on assigned readings, situational dialogues in practical, everyday Spanish PREQ 302 or permission of department head

481 Independent Studies in Spanish (1-3, R6)
PREQ 301 and 302, or permission of department head

Special Education (SPED)

200 Survey of Exceptionalities (3)
Historical, philosophical, and legal basis of special education, characteristics and related educational needs of children with disabilities, models of delivery of services 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

310 Evaluation of the Exceptional Child (3)
Development of assessment programs and evaluation procedures, practice administering and interpreting tests

312 Teaching Elementary Students with Learning Problems (K-6) (3)
Methods and materials for evaluating and instructing children with mild to moderate learning problems PREQ 240, admission to the professional education sequence

313 Assessment of the Young Child (3)
Assessment activities including screening, diagnostic assessment, and educational assessment for young children, with emphasis on connecting observation, assessment, planning, and evaluation PREQ 240 2 Lecture, 3 Lab

323 Preprofessional Seminar in Mental Retardation (3)
Topics related to field experiences
335 Teaching Exceptional Children (2)
Overview of exceptional children, emphasis on methods and materials for integrating students into regular classrooms. Not open to special education majors. PREQ Admission to the teacher education program or permission of department head.

366 (BK) Infant Curriculum (3)
Scope and sequence of developmental curricula in all areas of infant development and learning, methods of providing individual and group intervention through a variety of formats. 2 Lecture, 3 Lab. PREQ CDFR 360.

389 Cooperative Education in Special Education (1 or 3, R15)
See Cooperative Education Program.

401 Introduction to Learning Disabilities (3)
Historical concepts and theories of learning disabilities, educational characteristics of learning-disabled children, overview of remedial programs. PREQ 240.

405 Introduction to Mental Retardation (3)
Multidisciplinary approach to mental retardation, mental performance and functioning related to human development. PREQ 240 or permission of department head.

411 Collaborative Planning (3)
Development, implementation, monitoring, and evaluation of care plans (IFSP and IEP), knowledge of state and federal legislation agency services and programs affecting young children with disabilities and their families.

412 Interagency Practicum (2)
Professional roles and functions of early childhood intervention teams, transdisciplinary team process, structures of interagency collaboration. PREQ 200, admission to professional education sequence.

413 Teaching Adolescents with Learning Problems (3)
Survey and evaluation of curricular models, diagnosis, developing instructional strategies, establishing goals and objectives. PREQ 312, admission to professional education sequence, senior status.

417 Managing Classrooms for Exceptional Children (3)
Principles and techniques of classroom and behavior management. PREQ 240 and admission to the teacher education program.

432 The Physically Handicapped Child (3)
Social, psychological, and medical problems of children with physical disabilities.

450 Individual Educational Plans for Students with Disabilities (3)
Development of Individual Educational Plans (IEPs), formal and informal assessment and instructional planning, study of federal and state regulations. PREQ 240 and admission to the professional education sequence.

467 Home-Based Intervention (2)
Methods and materials for providing home-based intervention, working collaboratively with families and other service providers to promote effective service delivery. PREQ SPED 240, CDFR 363, or permission of instructor.

470 (BK, EDEL) Early Childhood Curriculum (3)
Materials, environments, and interactions for two to five-year-olds in all curricular areas, including thinking and social problem-solving for typical and atypical children. 2 Lecture, 3 Lab. PREQ 366.

483 (BK) Internship I (4, R8)
Observing, planning, teaching, and evaluating young children in typical and atypical settings. COREQ BK 496.
484 Practicum in Special Education (1-3)  
Three hours per credit hour  PREQ  Written application, permission of instructor and advisor

485 Field Experience in Teaching (3, R6)  
Supervised experience for a second teaching certificate or for an initial certification for individuals who are employed as full-time teachers  9 hours per week

486 Practicum in Mental Retardation (1-3)  
3 hours per credit hour  PREQ  Written application, permission of instructor and adviser

487 Practicum in Learning Disabilities (1-3)  
3 hours per credit hour  PREQ  Written application, permission of instructor and adviser

488 (BK, EDEL) Internship II (3, R9)  
Observing, planning, teaching, and evaluating young children in typical and atypical settings

490 Supervised Student Teaching (9)  
A full-time teaching experience  COREQ  495

495 Special Education Seminar (3)  
Working with parents, teachers, students, and others in a helping consultative relationship, skills for effective participation on interdisciplinary teams  PREQ  240 and admission to the teacher education program  COREQ  490

496 (BK, EDEL) Internship Seminar (1, R3)  
The interrelationships of theory and practice in the context of experience  COREQ  BK 491

Graduate Courses

501 Introduction to Learning Disabilities (3)  
502 Current Issues in Special Education (3)  
504 Educational Programs for Students with Behavioral Disorders (3)  
505 Teaching Students with Learning Disabilities (3)  
529 Educational Programs for Students with Mental Retardation (3)  
531 The Physically Handicapped Child (3)  
593 Topics in Special Education (1-3 R6)  
600 Creative Thinking and Problem Solving (3)  
603 Administration of Special Education Programs (3)  
630 Teaching Students with Mild to Moderate Mental Retardation (3)  
631 Appraisal of Exceptional Children (3)  
681 Seminar in Learning Disabilities (3)  
682 Research in Special Education (3)  
684 Teaching Students with Behavioral Disorders (3)  
687 Practicum in Special Education (1-3, R3, each course)  
688  
979 Continuing Research - Non-Thesis Option (1, R10)

Sport Management (SM)

213 (PE 213) Introduction to Athletic Training (3)  
Prevention of injuries, bandaging, and the treatment of basic injuries in varsity athletics

260 Introduction to Sport Management (3)  
Career opportunities, competencies, and management skills, overview of management functions and ethics, history of sport management

313 (PE 313) Psychological Aspects of Sport (3)  
The psychological aspects of sport and coaching methods  PREQ  260, junior standing

315 Introduction to Intramurals and Recreational Sport Management (3)  
Organization, administration, history, and theoretical concepts of intramurals and recreational sport management in the public school, college, and military settings  PREQ  Junior standing or permission of instructor
330 (PRM 330) Aquatic Recreation Management (3)
Organization, programming, facility design, and maintenance in various aquatic recreational environments. Course may lead to Certified Pool Operator certification.

380 Independent Study (1-3, R3)
A topic in sport management agreed upon by student and instructor. PREQ ENGL 102, permission of department head.

383 Apprenticeship (1, R3)
Apprenticeship to develop necessary skills before entering the required internship. PREQ Permission of department head. 3 Lab.

389 Cooperative Education in Sport Management (1 or 3, R15)
PREQ Permission of instructor. See Cooperative Education Program.

413 Athletic Injury Assessment (3)
A concentrated study on athletic injury assessment and rehabilitation. PREQ PE 213.

415 Legal Issues for the Sport Practitioner (3)
Study of legal issues related to sport delivery systems, physical education, and recreation settings. Legal terminology, risk management, case law, and current issues are analyzed. PREQ Senior standing or permission of instructor, SM 260 for SM majors.

423 (SOC 423) Sociology of Sport (3)
Social issues in sport examined from historical, cross-cultural, and sociological perspectives with attention to impact of race, gender, and social class on participation. PREQ Junior standing, SM 260 for SM majors.

435 Event and Facility Management and Marketing (3)
Study of current trends and the management and marketing of sporting events and sport facilities. Basic terminology and building designs of sport facilities are also discussed. PREQ Junior standing.

460 Financial Aspects of Sport (3)
Financial considerations important to sport, budgeting, fund raising, and economic impact of sport events, historical aspects. PREQ SM 260 for SM majors only, ACCT 161 or 251, MKT 301, ECON 231, and junior standing.

461 Sport Marketing (3)
Historical study of sport marketing, techniques in developing sport sponsorship proposals and effective sport promotions, sport marketing applications. PREQ SM 260 for sport management majors, junior standing, MKT 301.

484 Internship in Sport Management (6, 6)
Experiences relating theory to practice in a specific area of sport management. PREQ Permission of program coordinator or completion of all required coursework in the major. 2.3 cumulative grade point average, "C" or better in all SM prefix courses.

495 Sport Management Seminar (2)
Analysis of management, organizational structure, and strategic planning in sport organizations, current issues in sport management. PREQ SM major, SM 260, senior standing.
101 Honors Forum (1)
Interdisciplinary introduction to the academic milieu—scholarly controversy, the ferment of ideas, study, and research.

130 Academic and Career Planning (1)
Introduction to the university and to higher education Discussion of issues involved in the transition from high school to college Emphasis on academic and career planning and personal development

393 Topics in International Studies I (3, R6)
Interdisciplinary introduction to the civilization and culture of a particular country or region and its relationship with the United States

394 Topics in Cherokee Studies (3, R9)
Selected individual or interdisciplinary aspects of Cherokee culture and society offered by various departments

395 Topics in International Studies II (1-3, R4)
Interdisciplinary study of the civilization, environment, and culture of a country or region and its relationships with the United States and the world community

396 Honors Colloquium (3, R6)
Interdisciplinary discussion of a topic of special concern selected in consultation with honors students PREQ Junior standing, 3.0 GPA

497 Honors Seminar (3, R6)
Interdisciplinary seminar featuring student research directed toward a topic selected in consultation with honors students PREQ Junior standing with 3.0 GPA

Graduate Courses

693 Topics in Graduate Education (1-3, R6)
History of The University of North Carolina

In North Carolina, all the public educational institutions that grant baccalaureate degrees are part of the University of North Carolina. Western Carolina University is one of the sixteen constituent institutions of the multi-campus state university.

The University of North Carolina, chartered by the NC 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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University Advancement
Western Carolina University was founded in August 1889 as a semipublic school. Chartered as Cullowhee High School in 1891, it served the Cullowhee community and boarding students from neighboring counties and other states.

For Professor Robert Lee Madison, the institution’s founder, the aim of the school was teacher training. In 1893, with the first state appropriation of $1,500, a normal department was established. In 1905, the institution became Cullowhee Normal and Industrial School, a title it held for twenty years.

Beginning about 1912, the status of the school was gradually raised to that of a two-year normal school or junior college. With state support increasing and work at the secondary level discontinued, the name of the school was changed in 1925 to Cullowhee State Normal School.

In 1929, under a new charter authorizing the school to extend its work to the four-year level, the name Western Carolina Teachers College was adopted. Modifications in function and rapid growth climaxed in 1951 with the addition of the postgraduate year to the curriculum, and the granting of the Master of Arts in Education degree was authorized. Demands in the liberal arts, and for programs in other areas of learning, led to an expansion of its offerings and to a further change, in 1953, to the name Western Carolina College.

In 1967 the institution was designated a regional university by the North Carolina General Assembly and the name of the institution was changed to Western Carolina University.

In 1971 the state legislature reorganized higher education in North Carolina, and on July 1, 1972, Western Carolina University became a constituent institution of the University of North Carolina.

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Assistant to the Chancellor, Western Carolina University
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University Planner
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Associate Athletics Director/Senior
Woman Administrator
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Assistant Football Coach
Assistant Football Coach
Assistant Football Coach
Assistant Football Coach
Assistant Football Coach
Assistant Football Coach
Assistant Football Coach
Assistant Football Coach
Head Baseball Coach
Assistant Baseball Coach
Assistant Women's Basketball Coach
Head, Women's Basketball Coach
Assistant Women's Basketball Coach
Assistant Men's Basketball Coach
Men's Assistant Basketball Coach
Men's Head Basketball Coach
Men's Golf Coach

Men's and Women's Track and Cross Country Coach
Head Women's Volleyball Coach
Strength and Conditioning Coordinator
Men's Sports Information Director
Women's Tennis Coach/Director of Academic Support Services

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Assistant Athletic Trainer
Administrative Assistant for Business
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Arthur Stephens, M B A
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Mitchell R Williams, M A Ed

Mountain Resource Center
C Timothy Richards, B S
Vacant

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Director of Career Services
Interim Director of Advising
Interim Director of Retention Services
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Social Research Associate I
Applications Programmer
Planning and Institutional Research Analyst
Director, Reading Center
Director, Speech and Hearing Center
Director, Writing Center
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University Librarian
Dean, Continuing Education and Summer School
Coordinator, Evening Programs in Asheville
Director, Cherokee Center
Director, Developmental Evaluation Center
Director, Mountain Aquaculture Research Center
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Associate Vice Chancellor
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Director, Ramsey Regional Activity Center
Director, Human Resources
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Director
Senior Research Associate
Director
Director, Economic Development Administration, University
Technical Assistance Center
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Vickey Wade, M A Ed  
Margaret Adams, Ph D  
James E Dooley, Ph D  
Charlene D Spooner, B S  

Mountain Heritage Center  
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Suzanne Hill McDowell, M A  
Peter G Koch, M A  
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Ted S Henson, M Ed  
Donna Glee Williams, Ph D  
Henry D Wong, Ph D  
Gracia W Slater, M B A  
Christin M McCarley, M A  

Director, Western Regional Service Center, Small Business Technology Development Center  
Director, Local Government Training Program  
Director, Human Resource Development Program  
Director, Nonprofit and Leadership Programs  
Director, Western North Carolina Tomorrow, Coordinator, Americorps Program

Director  
Curator  
Folklorist-in-Residence  
Museum Educator  
History Interpreter

Associate Vice Chancellor and Dean for Student Affairs  
Assistant Dean, Student Development  
Director, Student and Family Orientation  
Assistant to the Vice Chancellor for Student Affairs and Director of Multicultural Affairs and Special Student Populations  
Acting Director, Housing  
Director, Financial Aid  
Director, University Center  
Director, University Health Services  
Director, Counseling Center  
Director, Intramural Sports  
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Executive Director

Director  
Associate Director  
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Chair of Faculty and Director of Seminars and Programs  
Center Fellow  
Center Fellow  
Senior Fellow  
Center Fellow  
Center Fellow  
Director of Development  
Public Information Coordinator
FACULTY
1998-99

*John W Bardo, Ph.D.
Chancellor, Professor of Sociology  B A , University of Cincinnati, 1970, M A , Ph D , The Ohio University, 1971, 1973 Date of appointment, 1995

Richard J. Collings, Ph.D.
Vice Chancellor for Academic Affairs, Professor of Political Science  B A , University of Louisville, 1968, M A , Ph D , Tulane University, 1972, 1977 Date of appointment, 1996

Millicent H. Abel, Ph.D.
Associate Professor of Psychology  B A , Indiana University Southeast, 1979, M A , Ph D , University of Louisville, 1982, 1988 Date of appointment, 1992

Shawn Kevin Acheson, Ph.D
Assistant Professor of Psychology  B A , University of North Carolina, 1988, M A , Western Carolina University, 1992, Ph D , Southern Illinois University, 1997 Date of appointment, 1998

*John Russell Adams, Ph.D
Professor of Management  B S , University of New Hampshire, 1959, M S , Florida State University, 1969, Ph D , Syracuse University, 1974 Date of appointment, 1980

*Mary F. Adams, Ph.D.
Assistant Professor of English  B A , Smith College, 1984, M F A , University of Iowa, 1989, Ph D , University of Houston, 1995 Date of appointment, 1995

*Elizabeth H. Addison, Ph.D
Assistant Professor and Director of Freshman English  B A , 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

Davia Massey Allen, Ph.D.
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Assistant Professor of Management B S, California State University, Chico, 1987, M S, Ph D, University of Arizona, 1993 1995 Date of appointment, 1995

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BA, Mexico City College, 1960, Ph D, Washington State University, 1969
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Associate Dean, Research and Graduate Studies, and Associate Professor of Counseling/Human Services
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