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

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ACADEMIC CALENDAR

Fall Semester 2005

August 1, Monday

August 18, Thursday, 4:30-6:30 p.m.
August 20, Saturday, 9 a.m.
August 21-22, Sunday-Monday
August 21, Sunday, 10 a.m.
August 23, Tuesday
August 24, Wednesday, 8-5 p.m.

August 24, Wednesday
August 24-August 30, Wednesday-Tuesday
September 5, Monday
September 6, Tuesday, 8 a.m.
October 12-16, Wednesday-Sunday
October 17, Monday, 8 a.m.
October 19, Wednesday
October 21, Friday

October 24-November 11, Monday-Friday
October 29, Saturday
November 18, Friday

November 23-27
Wednesday, 8 a.m.-Sunday
November 28, Monday, 8 a.m.
December 6, Tuesday
December 9, Friday
December 10-16, Saturday-Friday

December 15, Thursday

December 16, Friday, 5 p.m.
December 17, Saturday, 2 p.m.
December 18, Sunday

Spring Semester 2006

January 5, Thursday, 4:30-6:30 p.m.
January 6, Friday, 9 a.m.
January 6, Friday

January 6, Friday, 9 a.m.-5 p.m.
January 9, Monday, 8 a.m.
January 9-13, Monday-Friday
January 16, Monday
March 2, Thursday

Class schedules of all undergraduate students who preregistered and have not paid fees (including delinquent charges) will be cancelled
Registration in Asheville
Residence halls open to only freshmen
Orientation for new and transfer students
Residence halls open to all students
Registration and drop/add in Cullowhee
Registration and drop/add in Cullowhee continues
All classes begin at 8:00 a.m.
Late registration and schedule changes

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

Classes resume
Reading Day
Final examinations for all classes/semester ends
Class schedules of all undergraduate students who preregistered and have not paid fees (including delinquent charges) will be cancelled
Residence halls close for break
Commencement
Christmas holiday begins

Registration in Asheville
Residence halls open for all students
Orientation for new students and transfer students
Registration and drop/add for all students
All classes begin
Late registration and schedule changes
Martin Luther King Jr. birthday holiday
Last day to drop a course with a “W”
March 6-10, Monday-Friday
March 13, Monday, 8 a.m.
March 13, Monday
March 20-April 7
  Monday-Friday
April 13-16, Thursday-Sunday
April 17, Monday, 8 a.m.
April 24, Monday
April 25, Tuesday
April 28, Friday
April 29-May 5, Saturday-Friday
May 5, Friday, 5 p.m.
May 6, Saturday, 2 p.m.

**Summer Term 2006**
May 8-23, Monday-Tuesday
May 8-July 6, 8 a.m.-5 p.m.
  Wednesday-Thursday
May 31, Wednesday, 9 a.m.-4 p.m.
June 1, Thursday, 8 a.m.
June 1, Thursday-August 4, Friday
June 1, Thursday-July 3, Monday
July 3, Monday
July 4, Tuesday
July 5, Wednesday, 8 a.m.-5 p.m.
July 5, Wednesday, 8 a.m.
July 5, Wednesday-August 4, Friday
August 4, Friday
August 4, Friday, 7 p.m.

Spring holiday
Classes resume
Last day for students completing programs in summer/fall to file degree application in dean’s office
Academic advising for summer and fall semester and early registration in Cullowhee
Easter holiday
Classes resume
Last day to withdraw from a course for mental health, medical, legal, or administrative reasons.
Reading Day
Last day of regular class meetings
Final examinations for all classes/semester ends
Residence halls close
Commencement

Mini-session
Assisted Registration for Asheville classes,
WCU office, 120 Karpen Hall, UNC-Asheville
Registration in Cullowhee
Classes begin
Summer session (ten-week session)
First summer session
Summer Session I Final Exams
Independence Day holiday
Registration in Cullowhee
Classes begin
Second summer session
Summer Session II Final Exams
Commencement
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A member of the University of North Carolina, Western Carolina University offers courses in the arts, sciences, technologies, humanities, and professions. Students can elect degree programs at the bachelor, masters, or doctoral levels. As a regional comprehensive institution, it serves the people of North Carolina from its residential campus at Cullowhee and through off-campus instruction in Asheville and other locations.

Mission

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

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

Aspirations

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

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

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

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

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

Location

Western Carolina University is located in the scenic Appalachian mountain ranges at Cullowhee, North Carolina. The university consists of the main campus in Cullowhee and resident credit centers in Asheville and Cherokee. A faculty of about 387 serves a student body of almost 8,400 in resident-credit and extension classes.

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

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

**Governance**

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

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

**Accreditation**

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

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

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

Academy of Criminal Justice Sciences
American Association of Colleges for Teacher Education
American Association of Colleges of Nursing
American Association of Higher Education
American Association of State Colleges and Universities
American Council for Construction Education (candidacy status)
American Council on Education
American Society of Allied Health Professions
Association for Theatre in Higher Education
Association for Continuing Higher Education
Association of Governing Boards of Universities and Colleges
College Entrance Examination Board
Commission on Accreditation of Allied Health Education Programs-Athletic Training (candidacy status)
Conference of Southern Graduate Schools
Cooperative Education Association
Council of Applied Masters Programs in Psychology
Council of Graduate Schools in the United States
Institute for International Education, Inc.
International Council for Small Business
Mathematics Association of America
National Association of School Psychologists
National Association of Schools of Music
National Association of Student Financial Aid Administrators
National Business Education Association
National University Continuing Education Association
North American Association of Summer Sessions
North Carolina Academy of Science
North Carolina Association of Colleges and Universities
North Carolina Bar Association
North Carolina Political Science Association
Southeastern Theatre Conference
Southern Atlantic States Association for Asian and African Studies
Southern Regional Education Board
Southern States Communication Association
Speech Communication Association
United States Distance Learning Association
United States Institute for Theatre Technology

**Academic Programs**

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

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

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

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

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

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

Bachelor of science with majors in anthropology, biology, chemistry, communication, computer science, geology, history, mathematics, natural resources management, political science, social sciences, social work, sociology, and special studies.

**The College of Business.** Bachelor of science in business administration with majors in accounting, business administration and law, computer information systems, entrepreneurship, finance, management, marketing, and bachelor of science with a major in international business.

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

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

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

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

**The Academic Calendar**

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

**Western Carolina University Programs in Asheville**

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

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

Through inter-institutional agreements with the University of North Carolina at Asheville and North Carolina community colleges, a program is available to students in Asheville leading to the bachelor of science in nursing degree from Western Carolina University. Students enrolled in this program 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 all remaining requirements for the bachelor's degree in Asheville. Also, through an inter-institutional partnership with Asheville-Buncombe Technical Community College, most of the course requirements for a bachelor of science degree in birth-kindergarten, and engineering technology are offered. Upper-level course work in criminal justice is also available in Asheville.

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

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

**Western Carolina University Center in Cherokee**

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

**Hunter Library**

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

The collections and services that support student and faculty research include:

- Main book collection consisting of over 679,000 books and bound periodicals. This is augmented by the cooperative agreement with UNC Asheville and Appalachian State University through the use of a shared online catalog and delivery service. Students can readily borrow items from these other libraries and generally receive them in 2 days of less. The combined collection is approximately 1 million volumes.
- 95+ electronic databases and 8,000+ electronic journals that can be accessed remotely
- Free document delivery service that provides access to articles from approximately 25,000 journal titles that can be accessed remotely.
- Electronic reserves collection that can be accessed remotely
- 1,200 print journal subscriptions
- Free interlibrary loan service for all students and faculty
- Microfiche collection of 1.5 million pieces
- Government documents providing access to over 227,000 government documents representing both the Federal government and the North Carolina government
- Special Collections containing manuscript collections, books, photographs and other resources documenting the history of Western North Carolina and Southern Appalachia, the history of the Cherokee Indians, and literary works and papers of Western North Carolina authors
- The Map Room collection contains more than 122,000 sheet maps and an extensive collection of digital mapping data with Geographic Information Systems (GIS) technology to support it
- Media Collection, an extensive collection of CDs, videotapes, DVDs and other media in its Curriculum Materials Center (CMC)
- Curriculum Materials also maintains collections of state-adopted textbooks, curriculum guides, children’s literature and other classroom instructional materials in support of the university’s professional education programs

Service and Research Centers

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

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

Activities and services most relevant for GTAs include:

- consultation on course syllabi, course development, teaching goals, active learning, and applications of instructional technology
- Faculty Sandbox <http://facctr.wcu.edu/sandbox.html>, a place where faculty and GTAs can develop instructional materials via computer
- computer classroom orientation and training
  - TEACHING <http://facctr.wcu.edu/discussion.html>, an email discussion list for faculty and GTAs on any aspect of teaching and learning
  - Schedule <http://facctr.wcu.edu/learningops.html> of semester presentations and workshops
  - Open Classrooms Project <http://facctr.wcu.edu/openclassroom.html> where faculty and GTAs have the opportunity to observe faculty teaching classes
  - Videotaping of classes upon request
  - Training in the use of WebCT to enhance classroom courses
The Coulter Faculty Center can be reached at 828-227-7196.

**Center for Regional Development.** Western Carolina University's Center for Regional Development (Center for Regional Development) is a university research and public service center that drives regional economic development; conducts public policy analysis and applied research; and administers public service projects on economic and community capacity building, government training, natural resource conservation and strategic development.

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

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

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

- Acquiring property to promote business development
- Developing flexible site arrangements to achieve specific economic development objectives
- Providing services to businesses to promote their location or development
- Issuing revenue bonds (with Board of Governors approval) to support business development
- Engaging in public/private partnerships, developing joint use facilities, and co-operating with enterprises to promote economic development
- Incubating businesses

To fulfill its mission and generate new initiatives the CRD partners with federal, state, and regional organizations and the private sector. Current partners include the United States Department of Commerce, Smoky Mountain Host, the School of Government at UNC-Chapel Hill, and AdvantageWest Regional Economic Development Commission.

**International Programs and Services.** The Office of International Programs and Services (IPS) coordinates and supports many types of international programs and activities at Western Carolina University, such as student and faculty exchanges through the International Student Exchange Program (ISEP), the University of North Carolina Exchange Program (UNC-EP), and WCU bilateral program; K-12 International Outreach Program to the public schools; Phi Beta Delta Honor Society for International Scholars; international university linkages; the Japan Global Partnership Program, and academic programming. IPS also assists the Host Family Association, the International Club, and the annual International Education Week and International festival.

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

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

**Children’s Development Services Agency.** The Children’s Development Services Agency 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; community agencies; Smart Start and Western Carolina University. The center provides multidisciplinary evaluation, service coordination, treatment, and guidance for newborns, infants, toddlers. Special services are provided or located, if necessary. The center affords opportunities for training and research relevant to the university’s academic programs in birth through kindergarten teacher licensure, child and family studies, communication disorders, counseling, elementary education, health services management, nursing; nutrition and dietetics, physical therapy, psychology, social work, and special education.

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

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

**Highlands Biological Station.** The Highlands Biological Station is a field station for biological research and education in the Southern Appalachian Mountains. The station is an interinstitutional center of The University of North Carolina. Thirty-four colleges and universities participate in the station’s programs as member institutions.

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

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

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

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

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

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

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

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

Software programming languages on the central system include BASIC, C, FORTRAN, Pascal, COBOL, and MACRO, with Datatrieve and Focus as common report-retrieval languages. Other software that is centrally licensed, but with a limited number of licenses available, include SPSS for Windows and Minitab for Windows. These statistical analysis programs are accessed over the campus network in student labs and computer classrooms. The University of North Carolina has a grant from SAS Institute that makes a wide range of SAS software available for faculty and student use, including at home use. Computer virus detection and protection software is also available to all university faculty, students, and staff. Contact IT Services for information on getting access to the software. Keeping computers protected and up-to-date is very important in the highly networked campus computing environment.

The campus network connects to the North Carolina Research and Education Network (NC-REN), which provides WCU with access to two-way videoconferences as well as an OC-3 (155-megabit) data path to the Internet. The WCU World Wide Web server at http://www.wcu.edu has general information about Western. The Information Technology web site at http://www.wcu.edu/it provides a variety of useful IT related information. The university is also an active member of EDUCAUSE.

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

Distance and Continuing Education

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

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

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

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

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

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

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 Distance and Continuing Education.

Summer School Programs for Youth. A number of summer programs are available for pre-college students: the Legislators' School provides leadership training for youth in grades 7-12; and Summer Ventures provides enrichment in the sciences and mathematics. A ballet camp is offered in collaboration with the Atlanta Ballet. In addition, sports camps and recreational programs are offered.

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

Ramsey Regional Activity Center

The largest multi-purpose facility west of Charlotte, with a seating capacity of 8,000, the Liston B. Ramsey Regional Activity Center is host to a wide variety of programs and activities. Through a network of movable curtains, the main arena can be transformed from a major concert venue or sports arena to a more intimate theatrical setting. Notable performers and speakers have included Aerosmith, Tim McGraw, Ludacris, Bon Jovi, U.S. Sen. Bob Dole, Danny Glover and Nobel Peace Prize-winner Lech Walesa, in addition to numerous other campus programs.

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

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

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

Other Offices and Services

Research Administration. Research and Graduate Studies/Research Administration serves as the official source of information about contract and grant possibilities and is the office through which all members of faculty and staff channel their proposals for university approval. The research administration staff assists faculty, staff, and students in the preparation of proposals.
The Office of University Planning is responsible for coordinating university strategic planning and assessment activities, conducting institutional research, assisting university departments with surveys, and providing university statistical information requested by other agencies. The office is responsible for the publication of the University’s Fact Book.

Division of Advancement and External Affairs

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

The division includes the offices of Public Relations, Development, Alumni Affairs, and Regional Affairs; the Catamount Club (athletics fund raising and support) and the Mountain Heritage Center. The division administratively houses the Western Carolina University Foundation, chartered in 1971 to promote University goals and private-sector fund raising.

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

Office of Public Relations. The Office of Public Relations is responsible for the administration of University programs in public information, marketing, and publications. It is the liaison between University personnel and the news media, including newspapers, radio, and television stations, and coordinates the planning and design of all University publications, exhibits, and displays, including those in electronic formats. It is responsible for producing or arranging for production of all university film, video, electronic media, and slide-tape presentations intended for the public.

Office of Regional Affairs. The office of Regional Affairs serves as the University’s liaison with local, regional, state, and federal governments and agencies and with regional civic and economic development organizations. The office seeks to enhance relationships and partnerships with public and private entities, supports initiatives to secure public agency funding and legislative priorities, and focuses on local and regional economic development.

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

North Carolina Center for the Advancement of Teaching

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

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

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

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

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

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

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

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

COMPUTER ADMISSION REQUIREMENT FOR UNDERGRADUATES

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

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

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

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

Students Who are Purchasing a Computer. The hardware configurations that are the industry standard in the summer of 2004 will be the recommended configurations. Therefore, students are encouraged not to purchase a computer until summer 2004. Updates to the computer requirement can be found at http://www.poweryourmind.com/compreq.html.

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

“Jump Start” Training for Students. All new students are required to attend a computer-training program immediately prior to the beginning of classes. This program familiarizes students with basic computing concepts specific to WCU including accessing the university network, using email, Web browsers, and the university’s portal software.

Additional Information. If you would like additional information about Western’s computer admission requirement, call the WCU Admissions Office (toll-free) at 1-877-WCU-4YOU or send e-mail to admis@wcu.edu. The computer requirement is an integral part of the educational experience at Western Carolina University. Failure to comply with this requirement will result in sanctions to the student up to and including expulsion from the university.

UNDERGRADUATE ADMISSION

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

First-Year Students. Admission to Western Carolina University and placement into courses and programs are based upon a variety of factors including courses taken in high school, rank in class, SAT or ACT scores, and high school grade point average. Applicants must be graduates of accredited high schools. Graduates of unaccredited high schools may satisfy entrance requirements by examination. The university reserves the right to require any conditions deemed necessary. Applications also are considered for admission from prospective students who have achieved high school graduation equivalency by means of tests of General Education Development (GED).
Entrance Examinations. Freshman applicants must take the Scholastic Aptitude Test (SAT) or the American College Test (ACT). The achievement test in subject-matter fields is not required. For the SAT, application forms and information concerning the test fee, dates, and centers may be obtained from the College Board, P.O. Box 592, Princeton, New Jersey 08541. Information and application for the ACT may be obtained from The American College Test National Office, P.O. Box 168, Iowa City, Iowa 52243, and from high school guidance counselors. Applicants must request that their scores be sent to the Office of Admissions, Western Carolina University, Cullowhee, North Carolina 28723. College code for the SAT is 5897 and ACT code is 3172.

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

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

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

Effective in the fall semester of 2004, two units of a language other than English will be required. Effective in the fall of 2006, one additional unit of mathematics beyond algebra II will be required.

Admissions Procedure

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

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

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

All home-schooled applicants must meet standards equivalent to those used for applicants from approved secondary schools. This includes indication of the successful completion of work equivalent to high school units listed under Secondary School Preparation. Each applicant will be reviewed individually for academic strengths and weaknesses.
There are three categories of freshman admission to Western: regular, provisional, and honors admission.

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

- Courses selected by the student in high school and the grades achieved in those courses. A strong college preparatory curriculum is recommended. All students who are admitted must meet the minimum unit requirements of The University of North Carolina system. Special attention may be given to work completed during the senior year.

- Scores achieved on either the Scholastic Aptitude Test (SAT) or the American College Test (ACT).

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

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

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

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

Effective in the fall semester of 2004, two units of a language other than English will be required. Effective in the fall of 2006, one additional unit of mathematics beyond algebra II will be required.

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

**Pre-University Program.** This program enables high school students who have completed their junior year with superior academic records to begin work toward a university degree. Students who qualify may enroll in and earn credit for selected freshman courses. Full information is available from the Office of Admissions.
Transfer Students. Applicants must have official transcripts, with statements of honorable dismissal, submitted by all institutions formerly attended. The applicant must meet freshman admission requirements and submit an official high school transcript with SAT or ACT test results. Transfer applications should be submitted by July 1 for fall admission, and at least thirty days prior to the beginning of spring or summer terms.

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

Students transferring from any unaccredited institution, if admitted, may be placed on academic probation and may be permitted to validate transfer credits by attaining satisfactory grades at Western Carolina University. Normally, a minimum GPA of 2.30 on the first twelve semester hours attempted will be required.

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

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

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

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

International Students. International students are welcome at the university. Western Carolina University is authorized under Federal law to enroll non-immigrant students. Students must apply for admission and submit all credentials by the following deadlines: April 1 for the Fall term, and September 1 for the Spring term. Test of English as a Foreign Language (TOEFL) with scores of 550 (paper-based) or 213 (computer-based), or Scholastic Achievement Test (SAT) scores if English is your native language, and evidence of financial responsibility are required. Further information is available from the Office of Admissions, Graduate School, the International Programs and Services Office (visa questions), or the international student adviser in the Office for Student Affairs; or visit www.poweryourmind.com and click on "international".

Other Eligible Persons

Special Students. Persons not seeking degrees may apply as special students by completing an application and paying the $40 application fee. Special students are not admitted to any degree program, are not eligible for financial assistance, and are not assigned to advisers. Special students applying to live in university housing should indicate their status on the housing contract. Admissions categories for special students are:
Nondegree Students. Persons not seeking degrees but who wish to take courses for personal enrichment or advancement, upon approval, may take up to eighteen semester hours as a non-degree student. Academic credentials may be required to validate a student's eligibility for admission. Nondegree students who wish to take more than eighteen semester hours will have to meet regular admission criteria.

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

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

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

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

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

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

APPEALS OF ADMISSIONS DECISIONS

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

SUMMER SCHOOL ADMISSION

All policies in effect during the regular academic year are applicable to summer 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 of Student Affairs has overall responsibility in this area, and its functions include providing comfortable housing, offering counseling services and health care, and enhancing the college environment with recreational and leadership activities.

Residential Living

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

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

A variety of accommodations are available; however, most rooms are designed for double occupancy. Each room is furnished with computer data ports, single beds, study desks, chairs, dressers, and closets. Students provide their own pillows, bed linens, towels, lamps, clocks, wastebaskets, and telephones. They also may bring radios, stereos, and televisions. Cable television is provided in student rooms, as well as designated public areas. Other amenities include vending machines, washers, and dryers. Mail service is provided to all residential students at the mail station located in Hinds University Center. Mailing addresses are assigned by the Department of Residential Living and will be provided when students receive housing assignments. Local telephone service is included in the housing fee. Long distance is not provided, but access can be obtained through the use of a personal calling card.

Room Reservations and Advance 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 Residence Hall Agreement to the Office of the Controller. Returning students are to submit the signed Agreement with $150 advanced partial payment. These payments for the fall semester should be submitted no later than June 1. Although no advance partial payment is required for the spring semester (January), deadline for submission of the Residence Hall Agreement is December 1. All checks should be made payable to Western Carolina University. Advance partial payments and Residence Hall Agreements received after the deadline will be accepted on a space-available basis. Financial aid awards may not be used to cover advance partial payments.

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

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

Summer Terms. Students who begin their enrollment in summer terms (May, June, or July) are not required to submit the advance housing payment but must submit the Residence Hall Agreement if they wish to reside on campus. If, however, you are attending the Academic Success Program, on-campus housing is required.

Refund Policy. Students who have paid the advance housing payment and choose not to attend Western are eligible for a 100 percent refund if notification of cancellation is received prior to June 1 (December 1 for spring). Cancellations received after June 1 and prior to acceptance of residence hall room keys (or the first day of classes) will be subject to
a $50 administrative processing fee. Students who move out of the residence halls after acceptance of keys will be eligible for a pro-rated refund, but they will be assessed a $200 breach of contract fee.

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

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

**Off-Campus Housing.** All freshmen are required to live on campus. Exceptions may be made for students from Jackson, Macon, Haywood, and Swain Counties who wish to continue residing with their parents. A waiver can be granted by submitting a Freshman Request for Authorization to Commute, available from the Department of Residential Living. Students who plan to live off campus must make their own living arrangements. Students who move from the residence halls to off-campus locations must officially check out of their residence hall rooms and are subject to a breach of contract fee of $200 if the move occurs during the period of the Residence Hall Agreement. Students living off campus are still governed by the rules and regulations of the university while on campus.

**Student Activities and Services**

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

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

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

**A.K. Hinds University Center**

The University Center (UC) is the hub of campus activity - the living room of campus. The UC houses offices of the Student Government Association (SGA), Last Minute Productions (LMP), Women's Center, Multicultural Center, Lectures, Concerts and Exhibits (LCE) and University Center staff. Western Encourages Leadership Enhancement and Development (WE LEAD) provides a variety of programs to help students develop and hone leadership skills. Base Camp Cullowhee (BCC) offers outdoor programs and equipment rental. Meetings, activities and events are held in the ballroom, movie theater, meeting rooms and conference rooms. The food court features Chic-Fil-A, Montagues’s Deli, and the Burger Factory. Java City serves coffee and custom beverages. The UC provides services such as ATMs, Student Mail Center, Catamount Clothing, student lounges, email stations and fax
Throughout the year, the UC produces activities including films, dances, concerts, outdoor trips, late night programs and interactive activities. Many activities are planned and organized by WCU students through the student-run program board, Last Minute Production (LMP).

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

The Fitness Center contains free weights, treadmills, stair climbers, exercise bikes, elliptical crosstrainers, and Cybex exercise stations. Services offered by the fitness center include: personal training, fitness assessments, body composition analysis and specialized fitness programs. Over twenty land and water aerobics classes are offered each week by the center. The Fitness Center and its services work together to help participants achieve an improvement in the quality of life.

The Intramural Sports program at Western Carolina University provides students a positive use of leisure time and offers a variety of recreational activities in a diverse environment. There are a wide variety of recreational activities which include more than fifty individual, team, and coed activities. Such activities include: softball, football, volleyball, dodgeball, basketball, tennis, racquetball, and soccer. In addition, there are ten established sport clubs. These clubs are open to all students regardless of skill level. Students are also encouraged to develop new sport clubs.

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

**Health Center.** General health care is provided by the University Health Center. Services that are available include outpatient care, limited laboratory procedures, minor surgical procedures, allergy clinic, nutritional counseling, and wellness activities. These services are provided by the student’s health fee. A comprehensive women’s clinic is available by appointment. There is a fee for processing the pap smear. A limited pharmacy is available to students for an additional fee. The Health Center operates an ambulance service twenty-four hours a day while classes are in session. The Health Center does not file or accept insurance. The Health Center is located in the Bird Building.

The Health Center does not assume responsibility for complicated or chronic medical illnesses, dental operations, or X-ray procedures. Referral is available through the Health Center’s medical staff. For information about our services please contact us at 828-227-7640. Medical emergencies please call 911.

A complete medical record is required of all students entering the university. Additional information for updating during the period of actual attendance may be requested. New students are required by North Carolina General Statute 130A-155.1 to have the following current immunizations: diphtheria-pertussis-tetanus or tetanus-diphtheria, measles (rubeola), rubella, and polio. Evidence of the immunizations must be in the student’s records at the time of registration. If this evidence is not present, the student will not be allowed to register. Information concerning the immunization requirements is located on the Health Services homepage at www.wcu.edu/studentd/hlthserv.
Health Insurance. An accident and hospitalization group insurance policy is available to students from an approved commercial agent at registration. The coverage is optional, but it is strongly recommended that all students have some form of insurance to cover the cost of medical treatment not available through the Health Center. Health insurance coverage is mandatory for international students. International students must purchase or prove coverage of comprehensive medical insurance before being allowed to register for classes. The insurance must be paid in full in advance and be in effect for the entire academic year. More information is available from the Health Center at 828-227-7640.

MENTAL HEALTH SERVICES

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

OTHER SERVICES AND FACILITIES

New Student Orientation. To make the transition to college life easier, Western offers orientation programs for new students and their families. Students attending orientation have a chance to meet other new students, talk to their professional academic adviser, and register for their classes. Orientation is the time for students and family members to become familiar with the academic demands of the university, to meet the faculty, and to learn more about the concerns that accompany campus life. For more information, call 828-227-7087.

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

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

Department of Veterans Affairs Educational Benefits. Western is approved under the provisions of Title 38 United States Code, Chapter 36. Persons eligible and entitled under provisions of Chapters 30, 31, 32, 34, 35 and Section 901 and 903 and Title 10 United States Code, Chapters 106 and 107 may enroll in programs approved by the North Carolina State Approving Agency. All inquiries concerning Veterans Affairs (V.A.) educational benefits should be addressed to the Veteran Affairs Certifying Officer, Office of the Registrar, Killian Annex, Western Carolina University, Cullowhee, North Carolina 28723, telephone 828-227-7216.

International Student Services. The international student advisor serves as the advisor to the International Student Association and providing programming to assist students with transitioning and becoming informed with university and community life. For more information, call 828-227-7234.

Books and Supplies. The Catamount Bookstore offers students a variety of educational materials and supplies. An extensive selection of paperback books is offered for class use and extracurricular reading. All books for graduate students, distance learning and supplemental text and course-related materials for undergraduates are sold by the store. The book rental plan, operated through the book rental department of the bookstore, is explained on page 38 of this catalog. Caps and gowns, graduation invitations, and class rings also may be purchased at the store. For more information, call 828-227-7346 or visit our Web site at wcubookstore.wcu.edu.
Clothing and Gifts. The Catamount Clothing and Gifts store offers students a variety of clothing, gifts, greeting cards and miscellaneous items. Flower and balloon deliveries are also available. The store is located on the second floor of the UC and for more information, call 828-227-7626 or visit our Web site at wcubookstore.wcu.edu.

Wellness Center. Located in the newly renovated Bird Building, the Wellness Center provides a variety of resources for multidimensional health promotion and illness/injury prevention. Resources include brochures and other print materials covering an extensive list of wellness topics; videos; health screening and teaching equipment; and more. These resources are free and some can be checked out much like a library system. The Wellness Center also hosts programs, meetings, and events, involving collaboration among students, faculty, and staff like the Wellness Council and C.R.E.W. (peer education). Individual wellness consultations are also available. All are welcome to visit the Wellness Center throughout the day to relax and de-stress. For more information, call Cari Robertson, Wellness Coordinator, at 828-227-3471.

Dining

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

- Brown (on the upper campus)
- Cyber Cafe (Dodson)
- Dodson (on the lower campus)
- Hinds University Center Food Court
- Java City (Hunter Library) and Java City (University Center)
- Convenience Store locations at Dodson and Brown

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

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

The various food service plans offered are described in the fees section of this catalog. For additional information and frequently asked questions, visit the Dining website under Life on Campus at www.wcu.edu.

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

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

Bank Services. A branch office of the Wachovia Bank and Trust Company is located on campus. ATM machines installed by Wachovia Bank and BB&T are located in the Hinds University Center. In addition, branch offices of Wachovia, Carolina Community Bank, Century South Bank of the Carolinas, First Charter Bank, First Citizens Bank and Trust, Community Bank and Trust Company, Jackson Savings Bank, Macon Bank, and the North Carolina State Employees Credit Union are located in or near Sylva.
Disability Services. Western Carolina University is dedicated to providing reasonable accommodations necessary to students with disabilities. Academic accommodations supported by proper documentations are provided through the Office of Student Support Services, Killian Annex, Room 248, 828-227-7127. Section 504/ADA accessibility issues are handled through the Office for Student Affairs, 460 H.F. Robinson Administration Building, 828-227-7234.

General Regulations and Safety Policies

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

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

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

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

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

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

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

Policy on Illegal Drugs

I. Purpose

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

II. Applicable Policies, Practices, and Programs

A. Education, Prevention, Counseling, and Rehabilitation

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

   a. informs members of the academic community about the health hazards associated with drug abuse;
   
   b. emphasizes the incompatibility of drug abuse and maximum achievement of personal and educational goals;
   
   c. encourages members of the campus community to make use of available campus and community counseling, medical, and rehabilitation resources in dealing with drug abuse problems; and
   
   d. informs members of the academic community that they also may be subject to criminal prosecution for violating state laws relating to the illegal use, possession, delivery, sale, manufacture, or creation of controlled substances.

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, North Carolina General Statutes 90-89, or Schedule II, North Carolina General Statutes 90-90, the minimum penalty shall be suspension from enrollment or from employment for a period of at least one semester or its equivalent.

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

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

### V. Suspension Pending Final Disposition

When a student, faculty member, administrator, or other employee has been charged by the university with a violation of policies concerning illegal drugs, he or she may be suspended from enrollment or employment before initiation or completion of regular disciplinary proceedings if, assuming the truth of the charges, the chancellor or, in the chancellor’s absence, the chancellor’s designee concludes that the person’s continued presence within the university community would constitute a clear and immediate danger to the health or welfare of other members of the university community.

* 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.
community; provided, that if such a suspension is imposed, an appropriate hearing of the charges against the suspended person shall be held as promptly as possible thereafter.

VI. Compliance with Federal Drug-free Workplace Act of 1988 Pertaining to Employees

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

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

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

Annual Safety Report

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

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

Hard copies of the report are available upon request at the Office for Student Affairs, 460 H.F. Robinson Administration Building, 828-227-7234.

Policy on Computer Abuse

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

Law Enforcement

The University Police Department is responsible for providing law enforcement, criminal investigation, and security services on campus. University Police Department officers are certified by the North Carolina Attorney General's Office and meet all standards set by the Attorney General for law enforcement officers in this state.
All crimes that occur on the campus of Western Carolina University should be reported to the University Police Department. Emergencies should be reported by dialing 911; non-emergencies may be reported by dialing 828-227-7301. Reports may also be filed by visiting the University Police Department, located in the University Outreach Center Annex, or by contacting an officer on patrol. Officers may also be summoned by activating any of the emergency blue-light callboxes which are placed at various locations throughout campus.

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

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

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

The Traffic and Security Committee, composed of students, faculty, and staff, functions as an appellate board for faculty and staff members wishing to contest parking citations which they have received. Appeals concerning student violations are heard by a similar SGA appellate committee. Citation appeal forms are available in the traffic office. For more information, contact the University Police Office at 828-227-7301.
FEES, EXPENSES, AND FINANCIAL AID

Western Carolina University holds its charges to the minimum commensurate with the provision of needed services. The following schedule of fees, due and payable by the payment deadline for each semester, will be effective beginning with the fall semester of the 2005-2006 academic year. The university reserves the right to alter any charges without prior notice upon direction from appropriate governing authorities.

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

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

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

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

Tuition and Housing Advance Partial Payments

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

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

Housing. New students who intend to live on the University campus must remit a $100 advance partial payment of housing charges. Freshmen students are required to live on campus, except freshmen from the local area who may apply for a housing waiver to commute from home. Freshmen living in Jackson, Macon, Haywood, and Swain Counties may apply for a Housing Waiver to live at home. This amount is due and payable upon notification of admission and is fully creditable to housing charges for the first semester of enrollment. Returning students are required to remit a $150 advance partial payment of housing charges by June 1 of each year to secure residence hall spaces for the next academic year. This payment is fully creditable to first semester housing charges.
If either a new or returning student’s plan to enroll at WCU changes, the advance payment is fully refundable if the university receives written notice of cancellation on or before June 1 (December 1 for spring semester) preceding the scheduled enrollment. If notice of cancellation is not provided or is received after June 1 (December 1 for spring semester), the advance payment will be refunded minus a $50 administrative charge. After June 1, requests and advance payments for campus housing will be accepted on a space-available basis.

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

**Fees Per Semester**

I. Full-time Student

<table>
<thead>
<tr>
<th>Category</th>
<th>Fee</th>
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</thead>
<tbody>
<tr>
<td>UNDERGRADUATE—tuition and required fees, NC</td>
<td>$1,724.25</td>
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<tr>
<td>UNDERGRADUATE—tuition and required fees, out-of-state</td>
<td>$6,442.25</td>
</tr>
<tr>
<td>GRADUATE—tuition and required fees, NC</td>
<td>$1,672.25</td>
</tr>
<tr>
<td>GRADUATE—tuition and required fees, out-of-state</td>
<td>$6,464.75</td>
</tr>
</tbody>
</table>

**RESIDENCE HALLS**

- **Standard Residence Hall**
  - Single Room $1,782.00
  - Double Room $1,064.00

- **Reynolds (Honors College)**
  - Single Room $2,034.00
  - Double Room $1,180.00
  - Triple Room $828.00

- **Scott-East**
  - Single Room $1,845.00
  - Double Room $1,156.00

- **Central Drive Hall**
  - Single Room $1,908.00
  - Double Room $1,363.00

- **Robertson (Married Students)**
  - Efficiencies $2,048.00
  - One bedroom $2,226.00

- **Madison**
  - Graduate Students $2,196.00

- **The Village**
  - Declining Balance $2,000.00

**MEAL PLANS**

- 80 All-you-care-to-eat meals per semester plus $600 Declining Balance $1,050.00
- Declining Balance (Upper classman) $850.00
- Declining Balance (Freshman) $950.00
- Declining Balance-The Village $750.00
- 125 All-you-care-to-eat meals per semester plus $600 Declining Balance $1,200.00
**PERSEMESTER CHARGES DETAIL**

<table>
<thead>
<tr>
<th>Full-time Student</th>
<th>North Carolina Undergraduate</th>
<th>Out-of-state Undergraduate</th>
</tr>
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<tbody>
<tr>
<td>Tuition</td>
<td>$ 825.50</td>
<td>$5,543.50</td>
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<td>*Required Fees</td>
<td>$ 810.75</td>
<td>$ 810.75</td>
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<tr>
<td><strong>Book Rental Fee</strong></td>
<td>$ 88.00</td>
<td>$ 88.00</td>
</tr>
<tr>
<td>***Room (standard double)</td>
<td>$1,064.00</td>
<td>$1,064.00</td>
</tr>
<tr>
<td>****Board (declining balance) - Freshman</td>
<td>$ 950.00</td>
<td>$ 950.00</td>
</tr>
<tr>
<td><strong>TOTALS</strong></td>
<td>$3,738.25</td>
<td>$8,456.25</td>
</tr>
</tbody>
</table>

Western Carolina University is a publicly supported institution. Tuition payments and other required fees meet only a part of the total cost of the education of students enrolled. On the average, for each full-time student enrolled in an institution of the University of North Carolina, the State of North Carolina appropriates $8,032.00 per year in public funds to support the educational programs offered.

**Meal Plan**

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

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

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

II. **Part-time Student**

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

<table>
<thead>
<tr>
<th>Hours Enrolled</th>
<th>Undergraduate</th>
<th>Graduate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>In-State</td>
<td>Out-of-State</td>
</tr>
<tr>
<td>1</td>
<td>$278.03</td>
<td>$1,457.53</td>
</tr>
<tr>
<td>2</td>
<td>349.43</td>
<td>1,528.93</td>
</tr>
<tr>
<td>3</td>
<td>420.83</td>
<td>1,600.33</td>
</tr>
<tr>
<td>4</td>
<td>492.23</td>
<td>1,671.73</td>
</tr>
<tr>
<td>5</td>
<td>563.63</td>
<td>1,743.13</td>
</tr>
</tbody>
</table>

* Required fees include: Health Services, $95.50; Student Activity, $260.75; Athletics, $214; Athletic Facilities, $56.00
** Documents Fee, $5.00; Education and Technology Fee, $85; ASG Fee, 50¢; Student Recreation, $64.00; Transportation Fee, $5.00;
*** Computer Implementation Fee, $25.00
** Textbooks are available to graduate students by purchase only.
*** With standard residence hall - double room rate.
**** The all-you-care-to-eat meal plans combine an "All You Care To Eat" program located at Brown Cafeteria and a declining balance account that can be used at the other food-service locations on campus. "All You Care to Eat" plans include block meals that can be used any time during the semester, within normal facilities operating hours. Declining balance meal purchases are deducted throughout the term from a student’s available balance of declining balance points. During the semester, any student with a declining balance account may make additional prepayments in minimum increments of $50 to increase the balance.
<table>
<thead>
<tr>
<th>Hours Enrolled</th>
<th>Undergraduate</th>
<th>Graduate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>In-State</td>
<td>Out-of-State</td>
</tr>
<tr>
<td>6</td>
<td>841.40</td>
<td>3,200.40</td>
</tr>
<tr>
<td>7</td>
<td>912.80</td>
<td>3,271.80</td>
</tr>
<tr>
<td>8</td>
<td>984.20</td>
<td>3,343.20</td>
</tr>
<tr>
<td>9</td>
<td>1,262.23</td>
<td>4,800.73</td>
</tr>
<tr>
<td>10</td>
<td>1,333.63</td>
<td>4,872.13</td>
</tr>
<tr>
<td>11</td>
<td>1,405.03</td>
<td>4,943.53</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 Asheville credit courses in which a student enrolls carry an additional cost per credit hour regardless of the fees paid for credit from Western Carolina University.

### IV. Other Fees

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

### Refund Policies

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

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

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

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

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

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

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

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

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

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

**Tuition Surcharge Policy**

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

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

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

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

The WCU Bookstore Book Rental Department offers textbook rentals to on-campus undergraduate students for courses numbered 100-499. Students pay a flat rental fee of $88 each semester and are entitled to the primary textbook adopted in each course for which they are registered. This plan does not provide notebooks, workbooks, paperbacks, manuals, or supplemental books and materials; these are available for purchase at the bookstore. Students may purchase textbooks at replacement cost (list price less twenty percent), but this does not exempt them from paying the rental fee. Further information about the Book Rental Plan can be found at wcubookstore.wcu.edu.

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

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

Residence Status for Tuition Purposes

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Financial Aid**

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

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

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

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

- all undergraduate students must complete at least seventy percent of all hours attempted at Western Carolina University;
- students who have attempted between six (6) and twenty-three (23) hours must have a cumulative GPA of at least 1.5;
- students who have attempted between twenty-four (24) and fifty-nine (59) hours must have a cumulative GPA of at least 1.8;
• students who have attempted sixty (60) hours or more must have a cumulative GPA of at least 2.0

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

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

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

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

Loans

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

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

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

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

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

The amount of the loan is $4,000 annually to undergraduates during their second, third, and fourth years of study, and $5,000 for graduate students for two years. Recipients agree to cancel their obligation by securing full-time employment in designated shortage areas in health
or in secondary or post-secondary school systems. For more information, contact the North Carolina Student Loan Program for Health, Science, and Mathematics, P.O. Box 20549, Raleigh, North Carolina 27619-0549 or telephone 919-549-8614.

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

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

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

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

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

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

**Grants**

**Federal Pell Grants.** Eligibility for assistance under the Pell Program is based on financial need as determined by a formula of the U.S. Department of Education that is applied uniformly to all applicants. Awards range from $400 to $4,050 per academic year depending upon the
cost of attendance. Students who complete the Free Application for Federal Student Aid (FAFSA) are considered for Federal Pell Grant eligibility.

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

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

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

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

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

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

**Special Assistance**

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

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

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

**Employment**

**Federal Work-Study Program.** Employment is available to eligible students to help them pay for college expenses. An effort is made to assign students to work related to their fields of study or to use their special interests and skills. This program is administered through the financial aid office.
Graduate Assistantships. Stipends of $6,000 to $8,500, depending upon the assignment involved, are awarded to qualified graduate students through the Graduate School. These stipends require twenty hours of work per week.

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

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

Applying for Scholarships

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

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

Scholarship Listing

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

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

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

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

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

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

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

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

Bruce Blankenship Scholarship Fund. This scholarship program provides financial support for students pursuing a college education while working full-time. Priority consideration is given to students studying psychology, social work, business administration, or curricula in the Department of Human Services. Contact the Office of Financial Aid.
The Antonio Bonarrigo Nursing Scholarship Fund. This scholarship fund provides financial support to juniors or seniors in the nursing program. Candidates will be considered and recommended by a Nursing Department faculty scholarship committee. Contact the Department of Nursing.

The Nicholas and Grady Justice Bonarrigo Scholarship Fund. This scholarship fund provides financial support to students who have graduated from a Western North Carolina high school (Buncombe, Haywood, Jackson, Macon, Cherokee, Swain, Henderson, Transylvania, Graham, or Madison). Candidates will be considered on the basis of financial need, academic qualifications, and overall achievements. Contact the Office of Financial Aid.

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

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

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

Frank H. Brown Family Scholarships. This endowment, which honors the long-time relationship of the Frank H. Brown family with Western Carolina University, provides awards to chemistry students. Selection is based on scholastic attainments and capabilities, character, and overall potential. Contact the head of the chemistry department.

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

The Helen Ramsey Brown Scholarship. To provide support to a senior in the area of humanities and a senior in the area of natural sciences. Contact the Dean of the College of Arts and Sciences.

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

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

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

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

The Dr. Fred R. and Berniece H. Cain Scholarship Fund. Dr. Fred R. and Berniece H. Cain created this scholarship to assist students in obtaining a degree from Western Carolina University. Preference is given to Macon County residents. Contact the Office of Financial Aid.
Louise Mason Caldwell Scholarship Fund. This endowed scholarship program provides financial support for Cherokee Indians to attend Western Carolina University. Contact the director of the WCU Cherokee Center.

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

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

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

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

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

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

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

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

Wilma Cosper Scholarship. This scholarship program provides financial support for deserving students who have declared a major in one of the academic programs in the Human Environmental Sciences. Contact the dean of the College of Applied Sciences.

Crum Scholarship Fund. This endowed scholarship fund was established in honor of Joseph and Mabel Crum, former members of the Western Carolina University faculty. The fund provides support for undergraduate mathematics majors and English majors. Contact the appropriate department.

The Cullowhee High School Alumni Scholarship Fund. This fund was established by alumni of Cullowhee High School to assist former students or relatives of former students, faculty, and staff of Cullowhee High in attending Western Carolina University. The recipient must demonstrate financial need and be approved by the Cullowhee High School scholarship committee. Contact the Office of Financial Aid.
Cullowhee School District Award. This award program provides funds for graduates of the Cullowhee school district who desire to attend WCU. Selection is based on achievement, participation in various school activities, overall social and civic contributions, and financial need. Contact the school counselor at Smoky Mountain High School.

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

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

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

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

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

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

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

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

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

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

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

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

Gerri Wright Garrett Scholarship. This scholarship is designed to assist female students from Swain, Graham, and Macon counties attending Western Carolina University. Preference will be shown to non-traditional students from Swain County who demonstrate financial need.
The Gender Equity in Athletics Endowment. To provide support for men and women athletes to share equally in the opportunities available. Contact the Office of Financial Aid.

The Sam Gibson Scholarship. This renewable scholarship, established by Charles Yandell, a close personal friend of Sam Gibson, provides support for education students attending Western Carolina University. Selection is based on the combination of financial need, academic qualifications, and overall achievements. Contact the Office of Financial Aid.

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

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

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

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

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

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

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

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

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

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

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

Horatio A. and Adah G. Helder Scholarships. Graduates of public high schools in Haywood County who have financial need may receive scholarships to attend Western Carolina University. Each scholarship is renewable for four years. Contact a high school guidance counselor.
The Lester C. Henderson Scholarship. To provide support to full-time WCU student who graduated from Macon, Clay, or Cherokee county high schools and are in need of financial assistance. Contact the Office of Financial Aid.

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

The History Department Academic Excellence. Established by the faculty in the Department of History, these scholarship awards are for students planning to pursue a major in history. Consideration for scholarship will be based on merit. Contact the history department.

Dillard Hooper Scholarship. Established through a bequest from the estate of Louise Hooper, this scholarship will be awarded annually on the basis of financial need to two students from Jackson County who attend Western Carolina University. Contact the Office of Financial Aid.

Hospitality Management Scholarship Fund. Established by 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. Contact the Office of Financial Aid.

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

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

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

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

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

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

The William Kane Scholarship. To provide support to a rising senior majoring in management in the College of Business, who is a full time student and a resident of NC. Contact the Dean in the College of Business.
Kendall W. King Scholarship Fund. The purpose of this scholarship fund is to provide financial support for worthy and deserving international students. Undergraduate and graduate students are eligible for the award. Contact the dean of Research and Graduate Studies.

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

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

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

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

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

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

The “Little E.J.” Scholarship Fund. This fund, established by Blanton and E. J. Whitmire in honor of the son of E.J. and Genevieve Whitmire, provides support for students majoring in special education. Contact the head of the Department of Human Services.

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

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

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

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

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

The Dean Martin Business Fellowship Fund. This scholarship was established in memory of Dr. M. Dean Martin, a professor in business. Business students majoring in management, marketing, or graduate business programs receive awards based upon academic achievement, promise for continued scholarly accomplishment, and leadership potential. Contact the dean of the College of Business.
Alice Mathews Scholarship Fund. This endowed scholarship fund was established to honor a former member of the WCU faculty, Dr. Alice Mathews. The fund provides support for deserving history majors with priority consideration given to students with a 4.0 GPA. Contact the history department.

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

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

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

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

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

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

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

The Lucy Ann Nordyke Fellowship Fund. This scholarship was established by Martha Jean Rice in memory of her grandmother, Lucy Ann Nordyke, who was born in 1861 in the Cherokee Nation West. Scholarship support is provided for students pursuing a master's degree in history and performing research in Cherokee Indian Studies. First priority is given to Cherokee Indians and Cherokee descendants. Contact the head of the history department.

Clyde M. Norton Scholarships. This endowment, established by the Norton family, honors the memory of Clyde Norton, an outstanding leader in business and public affairs in Western North Carolina. The fund provides support for students from McDowell County. Contact the Office of Financial Aid.

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

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

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

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

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

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

**The Project Management Institute-Metrolina Chapter Scholarship.** To provide support to full-time Masters of Project Management degree-seeking students. Students will be considered on the basis of their overall academic merit, financial need, and civic involvement. Contact Project Management Institute members who are on the faculty of WCU.

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

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

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

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

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

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

**The Ed and Bertha Henson Reed Scholarship.** This fund was established in memory of Mrs. Edwards' parents, Ed and Bertha Henson Reed, who were lifelong residents of Jackson County, North Carolina. The purpose of the fund is to provide support for Western Carolina University students from Jackson County who are majoring in education or business and who have proven themselves to be financially and academically deserving. Contact the Office of Financial Aid.
Frances and Ted Reese Scholarship. This endowment, established by Frances and Ted Reese, supports scholarships for business students majoring in marketing. Recipients must be residents of North Carolina and rising seniors. Contact the dean of the College of Business.

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

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

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

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

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

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

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

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

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

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

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

The Laura and Phillip Sherrill Scholarship. The purpose of this fund is to provide a scholarship to a rising senior who is a resident of North Carolina in the College of Business. Contact the dean of the College of Business.
Doug Shirley Scholarship. This fund has been established in memory of Doug Shirley who was a dedicated member of the Zeta Omicron Chapter of the Tau Kappa Epsilon Fraternity. This fund is designed to assist fellow "Tekes", their sons and grandsons. Students must demonstrate community and civic involvement and financial need. Contact the Tau Kappa Epsilon Fraternity.

Sigma Chi-Kappa Gamma Freshmen Scholarship. Scholarship for male freshmen at Western Carolina University. The scholarship carries a one-time award of $500. An application and essay is required. To be eligible, students must earn a minimum GPA of 2.5 on the first semester of work. Contact the Financial Aid office for application materials.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The Sarah J. and Max R. Williams Scholarship. To provide support to students majoring in history. Preference will be given to graduate students. Contact the Head of the Department of History.
ACADEMIC REGULATIONS

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

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

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

Every effort has been made to assure the accuracy of this catalog to the extent possible at press time. Changes in or elimination of provisions contained herein on any and all matters may be made and applied before the next published catalog. However, the latest information is maintained on line under the Office of the Provost on Westerns home page or contact the appropriate department head, dean, or other administrative officer for current information.

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

Registration

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

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

Credits, Grades, and Quality Points

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

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

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

Grading and Quality Point System*

<table>
<thead>
<tr>
<th>Grade</th>
<th>Interpretation</th>
<th>Quality Points per Semester Hour</th>
<th>Grade</th>
<th>Interpretation</th>
<th>Quality Points per Semester Hour</th>
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<tr>
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</tr>
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<tr>
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<tr>
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<td>-</td>
</tr>
<tr>
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<td>AU</td>
<td>Audit</td>
<td>-</td>
</tr>
<tr>
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<td></td>
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<tr>
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<tr>
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<td>Failure</td>
<td>0</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*See Graduate Catalog for the graduate level grading system.

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

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

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

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

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

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

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

**Withdrawal Policies and Procedures**

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

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

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

**University Withdrawal.** To withdraw from the university (i.e. cease to attend all courses), a student must complete a withdrawal form from the Office for Student Affairs.

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

Any time a student is forced to withdraw from the university during a term for mental health, medical, legal, or administrative reasons which are verified in writing, a grade of W will be assigned in all courses in which the student is registered. If a student withdraws from the university for other than mental health, medical, legal, or administrative reasons after one-half of the total class time has elapsed, an F, W, or I grade will be assigned by the instructor according to the following guidelines:

1. A W grade will be assigned if the student is passing or if the student’s progress has not been evaluated.

2. An I grade will be assigned if the instructor agrees that there is a reasonable prospect that the work can be made up and agrees to allow the student to do so.

3. An F grade will be assigned if the student is failing.
Current policies and procedures pertaining to grades, indebtedness, and refunds are applicable upon withdrawal from the university. A student who withdraws from the university either during or at the end of a term for any reason is responsible for clearing any indebtedness to Residential Living, bookstore, financial aid office, controller’s office, library, university police department, academic departments, and health services.

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

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

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

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

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

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

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

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

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

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

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

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

Family Educational Rights and Privacy Act

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Academic Standing

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

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

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

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

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

### Academic Honors

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

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

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

To be designated University Scholars, students must have enrolled as freshmen and completed their entire undergraduate careers at Western Carolina University with a GPA of 3.90. Students who meet this requirement, except for courses taken with permission at other institutions as transients, are eligible for designation as University Scholars. Students who wish to be part of the Honors College Scholar Program should contact the Honors College at 828-227-7383.

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

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

### Academic Probation for Continuing Students

Continuing students are placed on academic probation when their cumulative WCU grade point average (GPA) falls below 2.0. At the end of the term of academic probation, students must achieve one of the following:

- a. Raise the cumulative GPA to good standing (2.0) while taking any number of hours, or
- b. Earn a minimum 2.30 GPA on a full-time academic load during the probationary term.

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

### Academic Probation for First Semester Freshmen and New Transfers

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

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

### Learning Contract Program

First semester freshmen and new transfers will be placed on academic probation if their GPA falls within the range of 1.0 to 1.999 at the end of their first semester. Students placed on academic probation with a cumulative GPA in this range at the end of their first semester must participate in the Learning Contract program during their second semester. Students who do
not choose this option are not eligible to continue enrollment in the University for one term. If readmitted after a lapse in enrollment, students are reminded that they will return to WCU under the general guidelines for academic probation.

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

When appropriate, students should use the University’s grade replacement policy to improve their academic standing (excluding the First Year Seminar).

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

**Academic Suspension for Continuing Students**

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

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

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

**Academic Suspension for First Semester Freshmen and New Transfers**

First semester freshmen and new transfers who earn a cumulative GPA below a 1.0 at the end of their first semester will be placed on academic suspension and will not be eligible to enroll in the University for one semester. After a one-semester suspension, students may apply for readmission to the University. If readmitted, students will return on academic probation.

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

**Appeal Process of Academic Suspension**

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

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

Grade Replacement and Course Repeat Policy

A separate form must be completed for each course that is to be replaced. Do not submit forms for lab courses that do not count as hours attempted.

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

Exceptions:
1. The First Year Seminar may not be repeated.

2. Courses available for re-enrollment for additional credit are not counted as repeats unless the student declares a repeat or exceeds the number of times for which credit can be earned in the course.

3. Some academic programs may have policies that further regulate the number of repeats. Check with your advisor.

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

Note: Pursuant to actions of the North Carolina General Assembly and policy adopted by the Board of Governors of the University of North Carolina, a twenty-five percent tuition surcharge applies to students who take more than 140 semester hours and more than eight regular semesters (i.e., fall and spring) to complete a baccalaureate degree. The semester hours used to calculate the total of 140 hours include repeated, failed, dropped (i.e., Ws) and transferred credit courses.

Academic Re-evaluation Policy

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

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

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

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

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

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

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

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

**Credit and Placement Policies**

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

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

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

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

Credit may be transferred from a technical program of a two-year institution and applied toward an appropriate bachelor's degree if the institution is regionally accredited. A minimum of twenty-five percent of semester hours applied toward a bachelor's degree must be earned through regular enrollment in Western Carolina University junior-senior level courses, including a minimum of twelve hours in junior-senior courses in the major field.
In addition to those credits accepted as equivalents of the university's freshman and sophomore courses, a maximum of thirty hours of credit may be allowed toward graduation for freshman and sophomore courses completed at other institutions which are normally offered above the sophomore level at Western Carolina University.

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

Regularly enrolled students who desire to take any course at another institution on a transient basis for transfer to WCU must secure the appropriate department head's and the registrar's approval before enrollment at the other institution. Transient Permission Forms are available in the registrar's office and the departments. Students must be in good standing and eligible to re-enroll at Western Carolina University to secure transient permission. Course work taken at an institution which has a consortium agreement with Western Carolina University will be given credit on the same basis as course work taken at Western Carolina University.

Grades made in transferred courses are not considered in computing the GPA at Western Carolina University, but transferred hours are added to earned hours and will affect the student's overall academic standing. A student may not expect to have the repeat course policy applied on the basis of courses completed at other institutions. Currently enrolled and former students (those not enrolled for one or more of the immediately preceding semesters, excluding summer terms) who attempt courses at other institutions must earn a cumulative 2.0 GPA and submit official transcripts of all work attempted to the Office of Admissions in order to be eligible to return to Western Carolina University.

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

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

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

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

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

Placement in First-Year Composition. Students with Advanced Placement credit or high school credit for English 101 and/or English 102 will be given credit for these courses. All other students will be placed in English 101. Members of the Honors College may be placed in English 101-H, and enrollment in these honors sections will be reserved for members of the Honors College. Students placed in English 101 or 101-H must complete the six-hour First-Year Composition sequence of English 101 or 101-H, followed by English 102 or 102-H.
Mathematics Placement Policy. A mathematics skills assessment is administered to students who wish to take Math 140 (Introductory Calculus), Math 145 (Trigonometry), Math 146 (Algebra and Analytic Geometry), or Math 153 (Calculus I) without first completing the prerequisite course(s). Students planning to major in mathematics, computer science, chemistry, biology, electronics engineering technology, industrial technology, and manufacturing engineering technology should plan to take this skills assessment. Students who have a strong mathematics background and would like to take the highest level course for which they are qualified should take the skills assessment. The skills assessment will be administered to entering freshmen in the fall when classes begin and to continuing students during early registration when they plan to register for one of the courses listed above in the next semester. Transfer students may take the skills assessment by arrangement with the director of mathematics placement. The assessment does not generate course credit for course requirements that are waived as a result of placement. A scientific or graphics calculator is recommended for taking the assessment. Transfer credit for college-equivalent courses can be used to meet prerequisites. Any student may take the liberal studies math course, Math 101 (Mathematical Concepts). There is no placement requirement for this course, but it does not satisfy the prerequisites for college algebra or any other algebra-based course.

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

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

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

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

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

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

Credit by Examination

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

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

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

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

The American Council on Education has endorsed a uniform credit granting score of 50 for all 34 exams. Percentile scores are no longer used as a basis for granting credit. Departments also may require demonstration of achievement by satisfactory completion of an essay or by provision of other evidence of the competencies to be mastered in a course or course sequence.

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 Academic Policy and Review Council. However, credit is awarded by a department only for those competencies which are related to areas of instruction in that department and which are applicable to the degree program being completed. Credit is not extended automatically or in blanket fashion.

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

Credit for all or part of a course(s) may be awarded. If partial credit is awarded, the student will pay the full cost of the course, but will be required to attend only those classes and do additional work as designated. There is no charge for courses for which full credit is awarded. Committee actions, when endorsed by the department head and dean, must be reported to the registrar. The credit awarded is not applicable to the university's residency requirement.
Credit for Military Training. To receive credit for military training, a service member or 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, AARTS, or SMART transcript. Once evaluated, the student will receive six hours of free electives and one hour for PE activity course if the degree program requires a minimum of 120 credit hours. Service school courses will be evaluated on a course-by-course basis using the American Council of Education recommendations for evaluation of military credits. This award of credit does not alter other university requirements, or major, minor, concentration, or liberal studies requirements for a degree.

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

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

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

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

A student who misses an examination or quiz because of an approved absence is responsible for contacting the instructor within one class meeting after returning to make mutually satisfactory arrangements for a make-up. The instructor will provide a make-up if the student notifies the instructor of the approved absence at least one class meeting prior to date of absence. The student also is responsible for making up assignments and for knowing the material covered. The opportunity to make up work missed due to a prior-approved absence does not obligate the instructor to modify the announced class policy for counting absences. The University Sponsored Absence Form is found on the Registrar’s and Office of Provost’s webpage at www.wcu.edu/affairsweb/. (See Class Attendance Policy, above, for details.)

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

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

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

To reschedule, the following steps should be taken:

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

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

**Graduation and Certification**

**Application for Graduation.** After earning ninety (90) hours, to be certified as a candidate for graduation, the student must file an application form with the dean. (In order to obtain the application form, the student must first present a paid receipt to the dean's office that the $30 graduation fee has been paid to the university cashier.) The dean will send the application to the student's department head. The student and the adviser will meet to determine all requirements remaining to be completed. **The student will sign the application after remaining requirements are specified.**

At the beginning of the final semester, the application will be updated and signed by the advisor, signed and certified by the department head as fulfilling all requirements not including the final semester, and returned to the dean who will sign it and forward it to the Registrar.

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

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

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

The bachelor's degree programs require the completion of a minimum of 120 semester hours to a maximum of 128 semester hours, including: (1) liberal studies program; (2) a major as prescribed by each of the departments; and (3) elective courses. Unless specifically provided for in the catalog description, credit for any course may be applied only once toward the required hours for graduation.

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

In degree programs that include a major of 30-45 hours, a minor, second major, or other approved program also is required.

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

**Concentrations.** A concentration is a student option within a major that consists of a group of prescribed courses designed to provide preparation in a specific professional specialty within the major discipline. Ordinarily, degree programs in which the major includes a concentration do not require a minor or second major. Concentrations are required in some majors and cannot exceed 26 hours.

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

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

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

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

**General Electives.** Unless a program has been specifically exempted, each degree plan includes a minimum of twelve hours of general (free) electives. These electives are exclusive of (1) hours earned in meeting the requirements of the other components of a degree program, (2) any remedial or developmental work a student may take, and (3) elective hours that may become available to a student through application of the liberal studies waiver policy.

**Waivers and Substitutions.** Waivers and substitutions of courses, other degree requirements, and academic regulations may be made only with adequate cause. Exemption from, or substitutions in, requirements established by an academic department must be approved by the department head. Liberal studies requirements may be waived or altered only with the approval of the associate vice chancellor for academic affairs for liberal studies. Collegewide requirements may be waived or altered only with the approval of the dean of the college. Waivers of, and substitutions in, university-wide regulations and requirements must be approved by the Office for Academic Affairs. All requests must be submitted to the registrar on the Waiver and Substitutions Form.
Academic Advisers. Students enter the university undeclared and are advised by a professional adviser. Upon declaring a major, students are advised by a faculty adviser in their major department.

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

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

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

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

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

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

GENERAL UNIVERSITY DEGREE REQUIREMENTS*

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

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

2. A minimum GPA of 2.0 on all work attempted at Western Carolina University and on all courses in the major.

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

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

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

Liberal Studies Program

Rationale

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

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

Requirements

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

THE CORE, 21 hours

C1. Writing, 6 hours.
    ENGL 101, Composition I (3)
    ENGL 102, Composition II (3)

C2. Mathematics, 3 hours. This requirement can be satisfied by any higher-level  
    mathematics course.
    MATH 101, Mathematical Concepts (3)

C3. Oral Communication, 3 hours.
    *CMHC 201, Introduction to Speech Communication (3)
    *Prerequisite - ENGL 101

C4. Wellness, 3 hours.
    HEAL 111, Stress Management for Health and Wellness (3)
    HEAL 123, Health and Wellness (3)
    HSCC 101, Nutrition, Fitness, and Wellness (3)
C5. **Physical and Biological Sciences, 6 hours**

Students may take one of the following combinations of courses to satisfy this requirement:

1. *two* Liberal Studies science courses in *two different* disciplines.

2. *one* Liberal Studies science course and *one* non-Liberal Studies 100- or 200-level science course with a laboratory or applied component in a *different* discipline.

3. *two* non-Liberal Studies 100- or 200-level science courses with laboratory or applied components in *two different* disciplines.

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

**THE FIRST-YEAR SEMINAR (3 HOURS)**

a. Students with 0-15 credit hours are required to take this course.

b. Students with 15.1 - 29.9 credit hours are eligible to take a First-Year Seminar, but it is not required.

c. Students with 30 or more credit hours are not eligible to take First-Year Seminar.

d. Students who do not take First-Year Seminar must take another 3-hour Liberal Studies course in the Core or Perspectives to meet the 42-hour total for Liberal Studies.

ANTH 190 First-Year Seminar: The Human Condition (3)
BIOL 190 Discoveries in Biology (3)
BIOL 192 Plant Biodiversity (3)
BIOL 193 Forensic Biology (3)
BIOL 194 Biotechnology: Methods, Applications and Implications (3)
CHEM 190 Chemistry in Industry (3)
CHEM 191 Issues in Environmental Chemistry (3)
CHEM 192 Human Gene Discovery Laboratory (3)
CHEM 193 Chemistry in the Arts (3)
CHEM 194 Forensic Chemistry (3)
CIS 195 The Information Society at Work (3)
CJ 190 Controversies in Criminal Justice (3)
CMCR 190 A User's Guide to the Mass Media (3)
EDCI 191 The Great School Wars (3)
ENGL 190 First-Year Seminar in Literature (3)
ENGL 191 First-Year Seminar in Creative Writing (3)
ENGR 199 Introduction to Engineering Practices and Principles I (3)
ENVH 190 From Black Death to Bioterrorism-The Public Health Solution (3)
ET 190 Technology Systems (3)
GEOL 191 Geology, Landscapes, & the Human Psyche (3)
GER 190 First Year Seminar: Triumph & Tragedy Reflected in Modern German Film (3)
HIST 190 First Year Seminar (3)
HIST 191 First Year Seminar (3)
HSCC 191 Does Inequality Make You Sick? (3)
LAW 195 Contemporary Legal Issues (3)
MATH 190 Mathematical Models of Population Growth (3)
MATH 191 Mathematics in Social Choice & Decision Making (3)
MUS 190 First Year Seminar (3)
ND 190 Personal Nutrition (3)
PAR 190 Freedom Culture & Technology (3)
PSC 190 Active Citizenship: Making a Difference in Your Community (3)
PSY 190 First Year Seminar (3)
PT 190 Caring for the Aging Population: Challenges & Solutions (3)
SOC 190 First Year Seminar: Social Institutions & Issues (3)
SPAN 190 Celluloid & Paper Dreams: Hispanic Literature & Film (3)

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

P1. Social Sciences, 6 hours. Courses in two different disciplines are required.
ANTH 110, Origins of Civilization (3)
ASI 250, Introduction to Appalachian Studies (3)
BA 133, Introduction to Business (3)
ECON 231, Introductory Microeconomics and Social Issues (3)
GEOG 101, Population Geography (3)
HSCC 300, Occupational Health (3)
LAW 105, Introduction to Law (3)
*LAW 406, Media Law (3)
*MKT 409, Negotiations/Relationship Marketing (3)
*PAR 313, Philosophy of Law (3)
*PAR 332, Biomedical Ethics & Social Justice (3)
*PAR 333, Environmental Ethics & Public Policy (3)
PSC 150, American Government and Politics (3)
PSY 150, General Psychology (3)
*PSY 331, Human Sexuality (3)
*PSY 370, Psychology & Law (3)
*PT 400, Complementary & Integrative Therapies (3)
*RTH 300, Health & Healing: The Spirit-Mind-Body Connection (3)
SOC 103, Human Society (3)
SOCW 251, Social Issues, Policy & Programs (3)
*SOCW 402, Diversity in Contemporary Society (3)
*SOCW 420 Addictions (3)

P2. Category Has Changed to Core 5 (Physical & Biological Sciences)
P3. History, 3 hours.
HIST 107, World Cultures in Historical Perspective (3)
HIST 141, Turning Points in American History: Paths Taken and Rejected (3)
HIST 142, Lunatics, Dreamers and Ordinary People: Biography in American History (3)
HIST 151, Turning Points in European History: Paths Taken and Rejected (3)
HIST 152, Lunatics, Dreamers and Ordinary People: Biography in European History (3)
HIST 221, European History to 1517 (3)
HIST 222, European History Since 1517 (3)
HIST 231, American History to 1865 (3)
HIST 232, American History Since 1865 (3)
*HIST 308, Explorations in Regional History (3)
*HIST 311, Ancient Greece & Rome (3)
*HIST 313, The Medieval World (3)
*HIST 317, History of Twentieth-Century International Relations (3)
*HIST 322, British History to 1603 (3)
*HIST 323, British History Since 1603 (3)
*HIST 327, Modern Russia (3)
*HIST 330, Modern Germany (3)
*HIST 341, North Carolina History (3)
*HIST 361, Latin American History I (3)
*HIST 362, Latin American History II (3)
*HIST 373, Modern Asia (3)
*HIST 375, Middle East Since Mohammed (3)
*MATH 301, History of the Scientific Revolution (3)
PAR 106, Western Religious Traditions (3)
PAR 210, Origins of Early Christian Traditions (3)
*PAR 305, Medieval & Reformation Theology: Divine Foreknowledge, Free Will & Justification by Faith (3)
*PAR 326, Religion and Science: God’s Law and Laws of Nature (3)

P4. Humanities, 3 hours.
ENGL 206, Literature of Place (3)
ENGL 207, Popular Literature and Culture (3)
ENGL 209, Past Times: Literature and History (3)
ENGL 231, Interpretation of Literature (3)
ENGL 290, Literature and the Sacred (3)
*ENGL 350, The Renaissance (3)
*ENGL 351, The Beats, Radicals, & Avant-Garde Literature (3)
*ENGL 352, The Journey in Literature (3)
*ENGL 364, Southern Literature (3)
*ENGL 367, Appalachian Literature (3)
*ENGL 390, The Bible as Literature (3)
HIST 171, Religion in America (3)
HIST 175, Native American Civilizations (3)
HIST 181, Religion in Europe (3)
HIST 182, The Ancient Empires (3)
HIST 185, History of Death in Western Civilization (3)
LAW 201, Individual Rights (3)
*LAW 306, Women and the Law (3)
PAR 101, Western Philosophical Traditions (3)
PAR 102, Western Moral Traditions (3)
PAR 230, Legal, Scientific and Critical Reasoning (3)
*PAR 304, Justice, Power, & Human Nature in the Ancient Greek Polis (3)
*PAR 306, Science, Reason, & Autonomy in the Enlightenment (3)
*PAR 307, From Existentialism to Feminism (3)
*PAR 308, From Pragmatism to Postmodernism (3)
*PAR 309, Philosophy in & of Film (3)
*PAR 312, Philosophy of Religion (3)
*PAR 330, American Wilderness Ethics & Aesthetics (3)
*PAR 350 Philosophical and Religious Classics (3)

P5. Fine and Performing Arts, 3 hours.
ART 104, Introduction to the Visual Arts (3)
CMTA 104, The Theatre Experience (3)
*CMTA 310, Black Theatre Experience (3)
DA 259, Dance Appreciation (3)
MUS 101, Music Appreciation (3)
*MUS 304, Jazz Appreciation (3)
*MUS 410, History of American Musical Theatre (3)

P6. World Cultures, 3 hours. (Satisfied if student passes MFL 101, 102, 110, 231, 232, 240, or 301) Only three of the six credit hours earned in FREN, GER, SPAN 110 apply to Liberal Studies. The remainder apply to program, major or elective hours outside of Liberal Studies.
ANTH 120, Comparative Cultural Systems (3)
ART 202, Art of World Cultures (3)
CHER 101, Experiencing Cherokee and the Cherokee-Speaking World (3)
ENGL 204, The Literature of Culture (3)
*ENGL 366, Literature of American Immigration (3)
FREN 101, Experiencing French and the Francophone World (3)
FREN 102, Experiencing French and the Francophone World II (3)
FREN 110, Experiencing French and the Francophone World: Accelerated (6)
GEOG 103, Cultural Geography (3)
*GEOG 440, Regional Geography (3, R12)
GER 101, Experiencing German and The German-Speaking World (3)
GER 102, Experiencing German and The German-Speaking World II (3)
GER 110, Experiencing German and The German-Speaking World: Accelerated (6)
LAT 101, Beginning Latin I (3)
LAT 102, Beginning Latin II (3)
ND 310 Food, Nutrition, and Culture (3)
PSC 110, Global Issues (3)
*PSC 415 Contemporary British Politics (3)
PAR 105, Eastern Religious Traditions (3)
PAR 202, What is Religion? (3)
PAR 211, Understanding Islamic Traditions (3)
PAR 220, Women and Religion (3)
*PAR 327, Native American Religions (3)
*PAR 325, Religion in Film (3)
*PAR 314, Religion, Suffering, and The Moral Imagination (3)
*PAR 324 Contemporary Religious Classics (3)
SPAN 101, Experiencing Spanish and the Spanish-Speaking World (3)
SPAN 102, Experiencing Spanish and the Spanish-Speaking World II (3)
SPAN 110, Experiencing Spanish and the Spanish-Speaking World Accelerated (6)

* Only three of the six credit hours earned in FREN, GER, SPAN 110 apply to liberal studies. The remainder apply to program, major, or elective hours outside of liberal studies.

UPPER LEVEL PERSPECTIVES, 3 HOURS, 300-400 LEVEL COURSES

*One course required in any Perspectives category outside the major.

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

NOTE: A course approved as a Liberal Studies Perspectives course may be used to meet a major requirement. However, when a Perspectives course meets a student's major requirement, the credit hours for that course will not be counted toward the total of 18 hours of Liberal Studies Perspectives required of every student, although the Perspectives category requirement met by the course will be satisfied. In this situation, the student will take an additional elective Liberal Studies course in any Perspectives category outside of the major. The credit hours for this Liberal Studies elective course will count toward the 18 hours of Liberal Studies Perspectives. Credit hours will not count for both Liberal Studies Perspectives and for the major simultaneously.

Perspectives Courses and the Major

If a particular Liberal Studies Perspectives course is required by a degree program or major, the Perspectives category requirement met by that course will be satisfied for students in that program; however, credit for that course will not count toward the 18 hours of Liberal Studies Perspectives required of every student. In this situation, the student will take an additional elective Liberal Studies course in any Perspectives category outside of the major. In other words, credit hours will not count for both Liberal Studies Perspectives and for degree program requirements. [Students who elect to complete a minor/second major, which is not required by their degree program, may count credit hours for both Liberal Studies Perspectives and the optional minor/second major, concentration, emphasis.]

Liberal Studies and Transfer Students

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

Students who have completed the general education core (44 hours) or the Associate of Arts degree or the Associate of Science Degree in the North Carolina Community College System will have the Liberal Studies requirements waived. However, if a student has completed the Associate of Applied Science Degree in the North Carolina Community College System will have each course evaluated for transfer credit. When a transfer student has completed the General Education or Liberal Studies requirements of a public or private institution outside of the University of North Carolina system, the Associate Vice Chancellor of Academic Affairs, in consultation with the Liberal Studies Committee, will determine whether that institution's general education program is sufficiently similar to Western Carolina University's Liberal Studies program to warrant a blanket waiver of the Liberal Studies requirements.
Academic Advising Center
The Advising Center works with all newly admitted students in academic advisement, course scheduling, and selection of a major. Upon the declaration of a major, students are advised in their academic department; however, their academic adviser in the Advising Center will continue to work with them in areas of university policy and personal advisement. Additionally, the Advising Center offers career planning as well as programs for students in academic difficulty.

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

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

Beginning with the writer’s initial ideas, tutors can help with brainstorming, prewriting, drafting, and revising. By offering the writer workable strategies, the tutor moves the student toward self-sufficiency. In addition to one-on-one tutorial help, the center regularly offers handouts, called mini-courses, tailored to specific writing needs. The center is located in Hunter Library. Visit the center’s Web site at www.wcu.edu/writingcenter for hours, online resources, staff information and helpful links. For more information, or to make an appointment, call 828-227-7197.

Mathematics Tutoring Center. A student peer-tutoring program is staffed by undergraduate and graduate mathematics students. Tutoring is available on a drop-in and individual appointment basis. Tutoring is offered in all lower-division undergraduate mathematics courses and beginning computer science courses. Tutoring experience is provided as a practicum for students majoring in mathematics education. The tutoring center has a small library of supplementary materials, including textbooks, computer-assisted instruction materials, and a few current periodicals in mathematics and computer science. The center is located in 294 Belk. Visit the Center’s web site at www.wcu.edu/mathlab.

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

Catamount Academic Tutoring Center. The Catamount Academic Tutoring (CAT) Center, located in 135 Killian Annex, is designed to ensure the academic success of all WCU students by offering free learning resources, skills workshops, and small-group study sessions for most 100 and 200-level courses. Study sessions are facilitated by trained peer leaders who have exhibited a mastery of the subject. Students experiencing difficulty in a course for which a study group is not offered should stop by the CAT Center and complete a “Request for Services” form. Visit the CAT Center website at http://www.wcu.edu/catcenter or call 828-227-2274 for more information about all services, including a schedule of workshop offerings.

Testing Services
The Office of Professional Examinations oversees administrations of: The Graduate Record Examination (Subject Tests only), the Praxis Series, Medical College Admission Test, Scholastic Aptitude Test, Law School Admission Test, the National Counselor Exam, the Miller Analogies Test, and the College Level Examination Program (CLEP). For more information about any of these tests, contact the Catamount Academic Tutoring Center (135 Killian Annex) at 828-227-2273.
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).

<table>
<thead>
<tr>
<th>Undergraduate Major</th>
<th>College</th>
<th>Degree</th>
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<tbody>
<tr>
<td>Accounting</td>
<td>BUS</td>
<td>B.S.B.A.</td>
</tr>
<tr>
<td>Anthropology</td>
<td>A&amp;S</td>
<td>B.A.</td>
</tr>
<tr>
<td>Anthropology</td>
<td>A&amp;S</td>
<td>B.A.</td>
</tr>
<tr>
<td>Anthropology</td>
<td>A&amp;S</td>
<td>B.S.</td>
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<tr>
<td>Art</td>
<td>A&amp;S</td>
<td>B.A.</td>
</tr>
<tr>
<td>Athletic Training</td>
<td>A&amp;S</td>
<td>B.S.</td>
</tr>
<tr>
<td>Biology</td>
<td>A&amp;S</td>
<td>B.S.</td>
</tr>
<tr>
<td>Birth-Kindergarten</td>
<td>E&amp;AP</td>
<td>BS</td>
</tr>
<tr>
<td>Business Administration and Law</td>
<td>BUS</td>
<td>B.S.B.A.</td>
</tr>
<tr>
<td>Chemistry</td>
<td>A&amp;S</td>
<td>B.S.</td>
</tr>
<tr>
<td>Clinical Laboratory Sciences</td>
<td>AS</td>
<td>B.S.</td>
</tr>
<tr>
<td>Communication</td>
<td>A&amp;S</td>
<td>B.S.</td>
</tr>
<tr>
<td>Communication Sciences and Disorders</td>
<td>E&amp;AP</td>
<td>B.S.</td>
</tr>
<tr>
<td>Computer Information Systems</td>
<td>BUS</td>
<td>B.S.B.A.</td>
</tr>
<tr>
<td>Computer Science</td>
<td>A&amp;S</td>
<td>B.S.</td>
</tr>
<tr>
<td>Construction Management</td>
<td>AS</td>
<td>B.S.</td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>AS</td>
<td>B.S.</td>
</tr>
<tr>
<td>Electrical and Computer Engineering Technology</td>
<td>AS</td>
<td>B.S.</td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>AS</td>
<td>B.S.</td>
</tr>
<tr>
<td>Elementary Education</td>
<td>E&amp;AP</td>
<td>B.S.Ed.</td>
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<tr>
<td>Emergency Management</td>
<td>AS</td>
<td>B.S.</td>
</tr>
<tr>
<td>Emergency Medical Care</td>
<td>AS</td>
<td>B.S.</td>
</tr>
<tr>
<td>Engineering Technology</td>
<td>AS</td>
<td>B.S.</td>
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<tr>
<td>English</td>
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<td>B.A.</td>
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<tr>
<td>Entrepreneurship</td>
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<tr>
<td>Environmental Health</td>
<td>BUS</td>
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<tr>
<td>Finance</td>
<td>BUS</td>
<td>B.S.B.A.</td>
</tr>
<tr>
<td>French (inactive status)</td>
<td>A&amp;S</td>
<td>B.A.</td>
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<tr>
<td>German</td>
<td>E&amp;AP</td>
<td>B.S.Ed.</td>
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<tr>
<td>General Special Education</td>
<td>E&amp;AP</td>
<td>B.S.Ed.</td>
</tr>
<tr>
<td>Geography (inactive status)</td>
<td>A&amp;S</td>
<td>B.S.</td>
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<tr>
<td>Geology</td>
<td>A&amp;S</td>
<td>B.A.</td>
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<tr>
<td>German</td>
<td>A&amp;S</td>
<td>B.S.</td>
</tr>
<tr>
<td>Health Information Administration</td>
<td>AS</td>
<td>B.S.</td>
</tr>
<tr>
<td>History</td>
<td>A&amp;S</td>
<td>B.A.</td>
</tr>
<tr>
<td>Hospitality and Tourism</td>
<td>AS</td>
<td>B.S.</td>
</tr>
<tr>
<td>Interior Design</td>
<td>AS</td>
<td>B.S.</td>
</tr>
<tr>
<td>International Business</td>
<td>BUS</td>
<td>B.S.</td>
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<tr>
<td>Management</td>
<td>BUS</td>
<td>B.S.B.A.</td>
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<tr>
<td>Marketing</td>
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<td>B.S.B.A.</td>
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<tr>
<td>Program</td>
<td>Degree</td>
<td>Program</td>
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<td>----------------------------------------------</td>
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<tr>
<td>Mathematics</td>
<td>A&amp;S</td>
<td>B.S.</td>
</tr>
<tr>
<td>Middle Grades Education</td>
<td>E&amp;AP</td>
<td>B.S.Ed.</td>
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<tr>
<td>Music</td>
<td>A&amp;S</td>
<td>B.A.</td>
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<tr>
<td>Natural Resources Management</td>
<td>A&amp;S</td>
<td>B.S.</td>
</tr>
<tr>
<td>Nursing</td>
<td>AS</td>
<td>B.S.N.</td>
</tr>
<tr>
<td>Nutrition and Dietetics</td>
<td>AS</td>
<td>B.S.</td>
</tr>
<tr>
<td>Parks and Recreation Management</td>
<td>E&amp;AP</td>
<td>B.S.</td>
</tr>
<tr>
<td>Philosophy</td>
<td>A&amp;S</td>
<td>B.A.</td>
</tr>
<tr>
<td>Physical Education</td>
<td>E&amp;AP</td>
<td>B.S.Ed.</td>
</tr>
<tr>
<td>Political Science</td>
<td>A&amp;S</td>
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</tr>
<tr>
<td>Science Education</td>
<td>E&amp;AP</td>
<td>B.S.Ed.</td>
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<tr>
<td>Social Sciences</td>
<td>A&amp;S</td>
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</tr>
<tr>
<td>Social Work</td>
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<td>B.S.</td>
</tr>
<tr>
<td>Sociology</td>
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</tr>
<tr>
<td>Spanish</td>
<td>A&amp;S</td>
<td>B.S.</td>
</tr>
<tr>
<td>Special Education (General)</td>
<td>E&amp;AP</td>
<td>B.S.Ed.</td>
</tr>
<tr>
<td>Special Studies</td>
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<td>B.A.</td>
</tr>
<tr>
<td>Special Studies</td>
<td>E&amp;AP</td>
<td>B.S.Ed.</td>
</tr>
<tr>
<td>Speech and Theatre Arts</td>
<td>A&amp;S</td>
<td>B.A.</td>
</tr>
<tr>
<td>Sport Management</td>
<td>E&amp;AP</td>
<td>B.A.</td>
</tr>
<tr>
<td>Telecommunications Engineering Technology</td>
<td>AS</td>
<td>B.S.</td>
</tr>
<tr>
<td>Theatre</td>
<td>A&amp;S</td>
<td>B.F.A.</td>
</tr>
</tbody>
</table>

In addition to the curricula offered by a department or jointly by two departments, the university provides a number of special-purpose programs in which students may participate either as a part of the regular degree programs of their choice or as alternatives to them. These opportunities include the following programs:

**An Approved Program**

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

**Special Studies Programs**

A Special Studies Program is an interdisciplinary program to take the place of a recognized major program in cases in which a student wishes to earn a degree in a specialized area not covered by recognized majors, or an area that intersects two or more recognized majors and cannot be accommodated by a combination of a recognized major and minor, second major, or approved program.

A Special Studies Program is developed by the student in consultation with an academic adviser in one of the primary departments and in consultation with advisers/faculty from all involved departments.
The program should include completion of the liberal studies program, and any other applicable college and university requirements. It should include a distribution of courses to complete the Special Studies program, in place of a recognized major, plus a minor, second major, or approved program (as needed). It should include a plan for some kind of senior project, capstone course, or final assessment component.

The Special Studies Program will be approved by all involved department heads, the curriculum committees of all involved colleges, and the University-Wide Curriculum Committee. The University Curriculum Committee should pay particular attention to the assessment component(s) of the proposed program and will approve or disapprove the special studies program.

Study Abroad
The Office of International Programs and Services administrates the University of North Carolina Exchange Program (UNCEP), the International Student Exchange Program (ISEP) and several Western Carolina University exchanges with over 35 countries worldwide. Students with a 2.75 GPA and higher can study for a semester or a year by paying Western Carolina University tuition and fees and comparable room and board charges. Financial aid assists eligible students with study abroad costs, and scholarships are available through external grant agencies. Some summer programs are available through our overseas partners. Other summer abroad programs sponsored by Western Carolina University professors are handled by the Division of Continuing Education and Summer School.

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

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

Agricultural economics, agricultural business management, agronomy, animal science, biological and agricultural engineering, biochemistry, biological sciences, botany, conservation, fisheries and wildlife sciences, food science, horticultural science, medical technology, pest management, poultry science, applied sociology, zoology, and selected preprofessional programs. For further information, contact the department head in the geosciences and natural resources management department.

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

During the freshman year, students should select one of the four specialty areas of the program: (1) forestry; (2) wood science and technology; (3) pulp and paper science and technology; (4) recreation resources administration. The courses to be pursued for each area are available from the department head in the geosciences and natural resources management department.
Students with acceptable scholastic records in the first two years of the program may earn the professional degree in two additional years. Before transferring, students should check their credits with the requirements of North Carolina State University to determine the advisability of completing additional courses in summer school at one of the two institutions. A GPA of 2.5 is required for transfer.

Experiential Programs

Western Carolina University endorses the concept of education as a multidimensional process of learning that incorporates study and practice. To that end, its curricula are designed to provide for acquisition of knowledge and understanding of theory combined with opportunities for experience in practical applications in real settings. Many of the degree programs include required work in professional situations specific to the positions and career areas for which the students are preparing. At the student's option, a variety of other work opportunities deriving from and related to academic study are available. To further its commitment to the preparation of well-qualified graduates, the university provides various types of support to departmentally developed experiential activities. It also operates university-wide programs that make work opportunities directly related to their fields of study available to all students.

Western Carolina University has the following guidelines for enrolling students in external instruction courses/programs. External instruction programs are defined as instruction received at a site(s) to which the student is sent by the enrolling institution to participate in instructional activities. Encompassed in the scope of external instruction are programs referred to as cooperative education, practical training, independent study, and open-circuit televised instruction.

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

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

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

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

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

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

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

**Independent Study.** Independent study courses are offered by several departments at Western Carolina University. The content and criteria for each course is determined by each academic department. Credit for these courses range from one to six semester hours credit as determined by the department. Students must be juniors or seniors in order to take an independent study course.
COLLEGE OF APPLIED SCIENCES

Noelle L. Kehrberg, dean
Ann P. Johnson, associate dean

The mission of the College of Applied Sciences is to offer quality education for a variety of professional careers. In fulfilling this role, the college provides undergraduate and graduate educational programs in Cullowhee and Asheville.

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

The college is responsible to the Office of the Provost and is organized into six academic departments (applied criminology; engineering and technology; health sciences; hospitality, tourism, interior design; 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, criminal background checks required by clinical education facilities, and special texts and class materials are examples of what might be expected. Each program has different requirements and students should discuss costs with the program director.

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

Athletic Training Sports Medicine Program. Admission to the professional sequence requires completion of a minimum of 24 semester hours, including completion of HSCC 150 with a grade of C+ or higher. Students must also complete a minimum of thirty (30) hours of Athletic Training observation at WCU or one of its approved affiliate clinical sites under the direct supervision of an Approved Clinical Instructor. A minimum GPA of 2.75 is required. Completed applications must be received in the program office by April 15 of each year for entry the following August. Application to the program does not assure acceptance. Students admitted to the professional sequence must earn a grade of C+ (2.33) or better in each ATTR course in the major and must maintain an overall GPA of 2.75 and a major GPA of 2.75 to remain in the program.

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

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

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

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

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

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

APPLIED SCIENCES INTERDISCIPLINARY PROGRAMS

Multi-Media Minor

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

Certificate in Gerontology

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

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

The minor requires 18 hours: GERN 210 and 498 are required. The additional 12 credit hours to be selected from: PSY 325, 327, 426, SOCW 329, RTH 360, GERN 493, 480 or other courses as approved by the gerontology adviser.

Course Descriptions

Gerontology (GERN)

210 Aging Lifestyles and Society (3)
A study of how healthy lifestyles can slow and reverse the aging process with emphasis on the meaning of aging in contemporary American society and culture.

480 Independent Study (1-3, R9)
A directed independent study in the field of gerontology. PREQ: Permission of advisor.

493 Topics (1-6)

498 Aging Seminar (3)
A capstone course with the major focus on researching and presenting a specific aging topic. The self-application of healthy aging concepts will be emphasized.

DEPARTMENT OF APPLIED CRIMINOLOGY

Ron Hunter, head

R. Berry, L. Briggs, E. Davis, B. Dougherty, F. Hawley, W. Hyatt, J. Kaufman, W. Knight, C. Merritt

MAJOR IN CRIMINAL JUSTICE, B.S. DEGREE

Liberal Studies, 42 hours

The major requires 48 hours as follows:

CJ 250 The Criminal Justice System, 3 hours
CJ 320 Police in Society, 3 hours
CJ 330 Criminal Courts, 3 hours
CJ 340 Institutional Corrections, 3 hours
CJ 352 Methods of Research, 3 hours
CJ 455 Theories of Crime, 3 hours
CJ 462 Applied Research, 3 hours
ENGL 401 Writing for Careers, 3 hours
Criminal Justice upper-division electives, 24 hours, with no more than 3 credits from CJ 480 and no more than 6 from CJ 483.

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

Minor in Criminal Justice

The minor requires 18 hours, including CJ 250 and 15 hours of electives approved by the department head.
CURRICULUM GUIDE FOR CRIMINAL JUSTICE (B.S.)

FRESHMAN YEAR

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<tr>
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<td>CJ 250 The Criminal Justice System</td>
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SOPHOMORE YEAR

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<td>CJ 320 Police in Society</td>
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<td>CJ 330 Criminal Courts</td>
<td>CJ 340 The Corrections Process</td>
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JUNIOR YEAR

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<td>CJ 455 Criminal Justice Theory</td>
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<td>CJ 352 Planning &amp; Methodology</td>
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SENIOR YEAR

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Total Hours for Degree: 120

Students may finish earlier if they attend summer school at WCU or another approved institution. Remember: 32 hours of 300-400 level courses must be taken at WCU.

Course Descriptions

Criminal Justice (CJ)

190 Controversies in Criminal Justice (3)
Topical issues in criminal justice are explored and discussed in the context of political and social realities of contemporary American society. 3 Seminar.
250  The Criminal Justice System (3)
Evaluation of formal institutions dealing with crime in Western culture; overview of major components of the criminal justice system.

311  Juvenile Justice and Delinquency (3)
The phenomenon of juvenile delinquency; evaluation of a unique justice system for children; related concerns, problems, and expectations. PREQ: 250.

320  Police in Society (3)
Philosophical, historical, and operational aspects of law enforcement agencies and processes within a framework of social control in a democratic society. PREQ: 250.

330  Criminal Courts (3)
State and federal court systems, criminal judicial process, and rights of the individual. PREQ: 250.

340  Institutional Corrections (3)
Examination of modern corrections through review of penal history, theory, and practice. PREQ: 250.

352  Methods of Research (3)
Planning as a process of criminal justice decision making using contemporary methods and techniques.

360  Asset Protection (3)
The role of private institutional security concerns. Physical security, loss prevention, technology, and the security profession are examined.

370  Ethics in Criminal Justice (3)
Examination of ethical issues in the criminal justice field. PREQ: 250.

404  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)
The administrative aspects of criminal justice practice, including financial and human resources, public relations, and issues related to police, courts, and corrections.

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.

423  Introduction to 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 Practices and Problems (3)
Examination of the police role and law enforcement policy, police organization, personnel issues, management and operations, consolidating patrol services, and community and problem-oriented policing.

430  Evidence and Criminal Procedure (3)
This course covers the basic principles of criminal evidence and its relation to criminal procedure.
440 Organized Crime (3)
Examination of traditional and emerging organized crime groups and their impact on society and the criminal justice field.

450 Violence in American Society (3)
Theories on the causation, manifestations, prevention, and treatment of violent behavior. International, national, and regional constructs of violence are discussed. PREQ: 250.

454 Comparative Criminal Justice Systems (3)
Law enforcement and correctional and court subsystems in the Western world today.

455 Theories of Crime (3)
Theories of law, justice, punishment, and crime causation. PREQ: 250.

456 Peacemaking Criminology (3)
Theoretical development that stresses mediation conflict resolution, rehabilitation and other alternatives to our current system of punitive sanctions. PREQ: 250, 455.

457 International Terrorism (3)
An examination of the history, causes, and response to international terrorism.

458 Domestic Terrorism (3)
Examination of origins, evolution, dimensions, and impact of terrorism, anarchism, and extremist activity in the United States.

459 Multicultural Justice (3)
Contemporary issues of multi-cultures, ethnicities, nationalities, races, religions, practices, etc. in social control, justice, and law in the U.S.A. and selected world societies. PREQ: 250 or permission of instructor.

460 Drugs and Society (3)
An examination of drugs, of abuse, and the evolution of drug laws, law enforcement, and correctional responses for drug offenders.

462 Applied Research (3)
Directed research/independent study in criminal justice. PREQ: 250 and 352.

465 Criminal Behavior Systems and Crime Profiling (3)
The systematic exploration of patterns, predictions and explanation for various types of criminal behavior. Collective and individual forms of criminality and deviance will be discussed. PREQ: 311 or 455.

470 Criminal Justice Policy (3)
The origins and outcomes of criminal justice policy. The role of politics, media, and bureaucracy are examined. PREQ: 250, 455.

480 Independent Study in Criminal Justice (1-3)
PREQ: All core courses completed (CJ 250, 320, 330, 340, 352, 455, 482, and ENGL 401.) Junior standing; minimum 3.0 GPA.

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. Six hours credit given as CJ electives; an additional 6 hours may be given as general elective credit.

493 Topics in Criminal Justice (3, R12)
PREQ: Approval of department head.
495 Seminar on Criminal Justice Problems (3, R12)
PREQ: Approval of department head.

Graduate Courses
524 Probation and Parole (3)
593 Special Topics in Criminal Justice (1-3, R9)
620 Criminal Justice Administration (3)
640 Correctional Administration (3)
650 Criminal Justice/Criminological Theory (3)
652 Research Methods (3)
670 Criminal Justice Policy (3)
675 Ethics in Criminal Justice (3)
680 Independent Study in Criminal Justice (3, R6)

MAJOR IN EMERGENCY MANAGEMENT, B.S. DEGREE

Liberal Studies, 42 hours

The major requires 51 hours as follows:

- EMGT 250 Introduction to Emergency Management, 3 hours
- EMGT 324 Emergency Planning, 3 hours
- EMGT 326 Risk Assessment and Vulnerability Analysis, 3 hours
- EMGT 331 Principles of Hazard Mitigation, 3 hours
- EMGT 340 Political and Policy Basis of Emergency Management, 3 hours
- EMC 445 Emergency Medical Service Management, 3 hours
- CMCR 250 Public Communication, 3 hours
- CMPR 400 Crisis Communications, 3 hours
- PSC 303 State and Local Government, 3 hours
- PSC 304 Public Administration, 3 hours
- EMGT and other approved upper-division electives, 21 hours

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

CURRICULUM GUIDE FOR EMERGENCY MANAGEMENT (B.S.)

FRESHMAN YEAR

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<th>FALL SEMESTER</th>
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<td>C 2 Math</td>
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<td>P 4 Humanities</td>
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SOPHOMORE YEAR

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<td>CMCR 250 Public Comm.</td>
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<td>EMGT 250 Intro. to EMGT</td>
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### JUNIOR YEAR

#### FALL SEMESTER

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<td>EMGT 324 Emergency Plan.</td>
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<td>EMGT 340 Pol. &amp; Pol. Basis of Emergency Management</td>
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<tr>
<td>EMGT Elective</td>
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<tr>
<td>PSC 303 State and Local Gov.</td>
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<td>BA360 Leadership &amp; Crisis Super.</td>
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#### SPRING SEMESTER

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<tr>
<td>EMGT 331 Principles of Haz. Mitig.</td>
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<td>EMGT 326 Risk Assessment</td>
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<td>PSC 304 Public Administration</td>
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<td>P1-P6Jr-Sr Perspective</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

### SENIOR YEAR

#### FALL SEMESTER

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<td>CMPR 493 Selected Topics</td>
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#### SPRING SEMESTER

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<td>EMGT 448 Emerg. Exercise Design</td>
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<tr>
<td>General Electives</td>
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**Total Hours for Degree:** 120

**NOTES:**

1. *Denotes course has not yet been formally approved, but paperwork has been submitted

2. In order to earn a degree in Emergency Management, students must earn a grade of "C" or better in each **required** course.

3. Students seeking to pursue a Master’s Degree in Public Administration at Appalachian State University, with a concentration in Emergency Management, must successfully complete MATH 170 or equivalent as an undergraduate course.

### Course Descriptions

**Emergency Management (EMGT)**

**250 Introduction to Emergency Management (3)**
Overview of emergency management. Topics include major concepts, theory and history, terminology, and the roles, functions and inter-relationships of key agencies and organizations involved in this field.

**322 Social Dimensions of a Disaster (3)**
An exploration of the social implications of a disaster, including its effects on victims, their families, first responders, the community, businesses, the economy, and special populations.

**324 Emergency Planning (3)**
Introduction to the multiple facets of emergency planning as it is addressed within the context of comprehensive emergency management.

**326 Risk Assessment and Vulnerability Analysis (3)**
Introduction to risk assessment using a systematic approach, identification, analysis and prioritization of vulnerabilities, assessing capabilities.
Contingency Planning (3)
Examination of various approaches to comprehensive emergency planning, utilizing risk assessment and vulnerability analysis as a primary basis. PREQ: 326.

Principles of Hazard Mitigation (3)
An exploration of the concepts and principles associated with hazard mitigation and its place in disaster management.

Disaster Response Operations and Management (3)
An overview of the response phase of the emergency management cycle, during which resources are marshaled, deployed and managed.

Technological Tools for the Emergency Manager (3)
Examination of software and other modern technological tools and systems utilized in emergency management to predict, mitigate and manage a disaster. PREQ: 326.

Political and Policy Basis of Emergency Management (3)
An exploration of the political dynamics of American emergency management.

Resource Management (3)
Identification, coordination and effective utilization of government, private and not-for profit resources responding to a disaster.

Emergency Exercise Design and Evaluation (3)
Design, development and assessment of simulated exercises to evaluate and improve emergency management readiness and response capabilities.

Independent Study in Emergency Management (1-3, R6)
PREQ: Permission of instructor. Only three hours may be applied toward the major requirements.

Internship in Emergency Management (3-12, R12)
Supervised application of academic study in a practical emergency management setting. PREQ: Junior standing; permission of instructor; 324, 326, 340, and 351; and 2.25 minimum GPA. 135 hours per 3 credits. Additional credit hours beyond 6 will be applied to general electives.

Topics in Emergency Management (1-3, R12)
PREQ: Permission of EMGT Program Director.

DEPARTMENT OF ENGINEERING AND TECHNOLOGY
Duane D. Dunlap, head


MAJOR IN CONSTRUCTION MANAGEMENT, B.S. DEGREE

Liberal Studies, 42 hours
Liberal studies courses that must be taken for the major:
C2: MATH 146
C5: GEOL 305 and PHYS 130

The major requires 76 hours as follows:

CM 121 Introduction to Construction, 3 hours
CM 142 Computer Graphics for Construction Processes, 3 hours
CM 211 Construction Materials, 3 hours  
CM 212 Construction Methods, 3 hours  
CM 222 Construction Surveying Layout, 3 hours  
CM 242 Estimating I, 3 hours  
CM 332 Construction Site Planning and Equipment, 3 hours  
CM 342 Estimating II and Bidding, 3 hours  
CM 362 Construction Planning and Scheduling, 3 hours  
CM 375 Mechanical and Electrical Construction, 3 hours  
CM 401 Construction Temporary Structures, 3 hours  
CM 402 Construction Financial Management, 3 hours  
CM 421 Construction Human Factors and Labor, 3 hours  
CM 424 Facilities Management, 3 hours  
CM 431 Construction Project Management, 3 hours  
CM 452 Construction Capstone Project, 3 hours  
CM 483 Required Internship in Construction, 3 hours  
ACCT 251 Accounting Principles I, 3 hours  
ECON 231 Introductory Microeconomics & Social Issues, 3 hours  
ENVH 390 Environmental Issues in Construction, 4 hours  
ET 232 Statics & Strength of Materials, 3 hours  
LAW 230 Legal Environment of Business, 3 hours  
LAW 430 Construction Contracts and Law, 3 hours  
MATH 170 Applied Statistics, 3 hours  
MGT 300 Introduction to Management, 3 hours  

General electives (6 hours) are required to complete the program.

**CURRICULUM GUIDE FOR CONSTRUCTION MANAGEMENT (B.S.)**

**FRESHMAN YEAR**

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<tr>
<td>MATH 146 Precalculus</td>
<td>4</td>
</tr>
<tr>
<td>HEAL 123 Health &amp; Wellness</td>
<td>3</td>
</tr>
<tr>
<td>First Year Seminar</td>
<td>3</td>
</tr>
<tr>
<td>CM 121 Intro to Construction</td>
<td>3</td>
</tr>
<tr>
<td>JS 101 Jumpstart</td>
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<tr>
<td><strong>Total</strong></td>
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**SOPHOMORE YEAR**

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
</tr>
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<tbody>
<tr>
<td>Course and Number</td>
<td>Hrs.</td>
</tr>
<tr>
<td>CM 212 Construction Methods</td>
<td>3</td>
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<tr>
<td>PHYS 130 Physics</td>
<td>4</td>
</tr>
<tr>
<td>MATH 170 Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td>CM 222 Constr. Surveying Layout</td>
<td>3</td>
</tr>
<tr>
<td>P1 Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>
JUNIOR YEAR

Fall Semester

Course and Number  Hrs.  Spring Semester  Hrs.
CM 332 Const. Site Plan. & Equip  3  CM 362 Const. Plan. & Sched.  3
CM 342 Estimating II & Bidding  3  CM 375 Mech. & Elect. Const.  3
ENHV 390 Envir. Issues in Const.  4  MGT 300 Intro To Management  3
GEOL305 Soils & Hydrology  4  LAW 230 Legal Envir. to Business  3
ET 232 Statics & Strength of Mater.  3

14 15

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

Summer School I

Course and Number  Hrs.  Summer School II  Hrs.
CM 483 Internship in Const.  3  (Required)  3
(400 hours work)

SENIOR YEAR

Fall Semester

Course and Number  Hrs.  Spring Semester  Hrs.
CM 402 Const. Finance Mgt.  3  CM 452 Construction Capstone  3
CM 431 Constr. Project Mgt.  3  CM 421 Const. Human Fact.& Labor  3
LAW 430 Const. Cont. & Law  3  P4 Humanities  3
CM 401 Constr. Temp. Structures  3  P3 History  3
CM 424 Facilities Management  3  Upper Level Perspectives  3

15 15

Total Hours for Degree: 124

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

Remember: 32 hours of 300-400 level courses must be taken at WCU.

Course Descriptions

Construction Management (CM)

121 Introduction to Construction  (3)
A survey of the construction industry to include history, career opportunities, types of construction, differences in office and jobsite working conditions, plan reading and vocabulary.

142 Computer Graphics for Construction Processes  (3)
An introduction to construction graphics, field drafting, and 3D CADD systems. PREQ: 211. 2 Lecture, 2 Lab.

211 Construction Materials  (3)
Sources, properties and uses of construction materials. Follows the Construction Specifications Institute Division guidelines. 2 Lecture, 2 Lab.

212 Construction Methods  (3)
Acceptable and recommended uses for construction materials and their application in the construction process. PREQ: 211 or permission of instructor. 2 Lecture, 2 Lab.

222 Construction Surveying Layout  (3)
Development of the surveying skills necessary on a construction jobsite with emphasis placed on operation of instruments and accuracy of field notes. PREQ: MATH 146. 2 Lecture, 2 Lab.
242 Estimating I (3)
Introduction to the classification of work from the plans and specifications, application of basic quantity surveying principles, and the use of estimating software. PREQ: 211. 2 Lecture, 2 Lab.

332 Construction Site Planning and Equipment (3)
A study of the construction worksite and preparation of a site utilization plan to include typical construction equipment and its selection and jobsite safety. PREQ: 242 or permission of the instructor.

342 Estimating II and Bidding (3)
Pricing of materials, labor, equipment, overhead costs, and profit margins will be calculated to produce an estimate. A practice bid scenario will also be introduced. PREQ: 242, MATH 170. 2 Lecture, 2 Lab.

362 Construction Planning and Scheduling (3)
A course using construction estimating software and construction scheduling software will be used in planning a construction project from start to finish. PREQ: 212, 342, or permission of instructor. 2 Lecture, 2 Lab.

375 Mechanical and Electrical Construction (3)
An introduction to the basics of mechanical, electrical, plumbing and fire protection systems (MEP) in construction. This includes installation of systems and resources necessary. PREQ: 142, 242, or permission of instructor. 2 Lecture, 2 Lab.

389 Cooperative Education in Construction (1 or 3, R15)
See Cooperative Education program. PREQ: Permission of instructor.

393 Topics in Construction Management (1-3, R9)
PREQ: Construction Management major or permission of instructor.

401 Construction Temporary Structures (3)
Introductory course covering temporary structural supports, formwork, and concrete. Areas of concentration include steel, timber, concrete and masonry. PREQ: ET 232 and construction management major or permission of instructor.

402 Construction Financial Management (3)
Financial management of construction companies, using analysis of financial statements, budgeting cash flow and cost code reporting. PREQ: ACCT 251 and construction management major or permission of instructor.

421 Construction Human Factors and Labor (3)
An overview of the social dynamics within a construction company between management and labor, architect and contractor, and field problems between union and non-union labor. PREQ: Construction Management major with senior standing or permission of instructor.

424 Facilities Management (3)
Introduction to management and maintenance of residential, commercial, and industrial building systems. Systems for heating, cooling, electrical, communications, water, waste water, protective coatings, and roofing. PREQ: Junior standing.

431 Construction Project Management (3)
The study of construction procedures and administration process using the latest construction management software to explain typical project management functions and documentation. PREQ: 362 and senior standing or permission of instructor.

452 Construction Capstone Project (3)
Simulation of a general contracting construction company obtaining work through the estimating, bidding, scheduling, cash flow projections process using plans and specifications. PREQ: 431 and construction management major with senior standing or permission of instructor. 1 Lecture, 4 Lab.
Independent Study (1-3, R6)  
PREQ: Construction management major and permission of instructor.

Required Internship in Construction (3)  
A supervised summerwork experience of 400 hours in the construction industry as approved in advance. S/U grading. PREQ: Construction management major and permission of program director. Four hundred hours of work experience.

MAJOR IN ELECTRICAL AND COMPUTER ENGINEERING TECHNOLOGY,  
(B.S.)

The program emphasizes the application of microcomputers to the solution of industrial problems relating to automation, instrumentation, and control, in systems involving robotics, data communications, networks, and/or automated testing. In all cases, microcomputer hardware and software are used for data acquisition, transfer, and analysis.

Liberal Studies, 42 hours

The major requires 83 hours as follows:

Core courses, 55 hours:
- CS 150 Computer Programming I, 4 hours
- MATH 145 Trigonometry, 3 hours
- MATH 146 Algebra and Analytical Geometry, 3 hours
- MATH 153 Calculus I, 4 hours
- MATH 170 Applied Statistics, 3 hours
- MATH 255 Calculus II, 4 hours
- PHYS 130 Introductory Physics I, 4 hours
- PHYS 131 Introductory Physics II, 4 hours
- ECET 231 Circuit Analysis I, 4 hours
- ECET 242 Electronic Circuits, 4 hours
- ECET 290 Computer Engineering Fundamentals, 3 hours
- ECET 321 Circuit Analysis II, 4 hours
- ECET 331 Digital Integrated Circuits, 4 hours
- ECET 341 Advanced Circuit Analysis, 3 hours
- ECET 478 Senior Design Project Proposal, 1 hour
- ECET 479 Senior Design Project, 3 hours

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

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

To enroll in the junior-senior major courses, students must have completed the following courses with a C or better: ECET 231, 321 and MATH 153.
### CURRICULUM GUIDE FOR ELECTRICAL AND COMPUTER ENGINEERING (B.S.)

#### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
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<tbody>
<tr>
<td><strong>Course and Number</strong></td>
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<tr>
<td>ENGL101 Composition I</td>
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<tr>
<td>P1 Social Science</td>
<td>3</td>
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<tr>
<td>HEAL or HSCC 123 or 101</td>
<td>3</td>
</tr>
<tr>
<td>190 series First Year Seminar</td>
<td>3</td>
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<tr>
<td>P3 History</td>
<td>3</td>
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<td>JS 101 Jumpstart</td>
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#### SOPHOMORE YEAR

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<tbody>
<tr>
<td><strong>Course and Number</strong></td>
<td><strong>Hrs.</strong></td>
</tr>
<tr>
<td>ECET231 Circuit Analysis I</td>
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<tr>
<td>MATH 146 Algebra &amp; Analy. Geo.</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 130 Physics I</td>
<td>4</td>
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#### JUNIOR YEAR

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<tr>
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<th>SPRING SEMESTER</th>
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<tr>
<td><strong>Course and Number</strong></td>
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<tr>
<td>ECET 331 Digital Integ. Circuits</td>
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<tr>
<td>ECET 321 Circuit Analysis II</td>
<td>4</td>
</tr>
<tr>
<td>TEL 345 Introduction to LAN's</td>
<td>4</td>
</tr>
<tr>
<td>MATH 153 Calculus I</td>
<td>4</td>
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<td></td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
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</tbody>
</table>

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

#### SENIOR YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
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<tbody>
<tr>
<td><strong>Course and Number</strong></td>
<td><strong>Hrs.</strong></td>
</tr>
<tr>
<td>ECET431 Microproc. Interfac.</td>
<td>4</td>
</tr>
<tr>
<td>ECET452 Control Systems</td>
<td>4</td>
</tr>
<tr>
<td>ECET478 Senior Project Proposal</td>
<td>1</td>
</tr>
<tr>
<td>Technical Elective</td>
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</tr>
<tr>
<td>General Elective</td>
<td>6</td>
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<tr>
<td><strong>Total</strong></td>
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</table>

Total Hours for Degree: 128
Total Hours of Pre-requisites: 3 (MATH 130, if required.)

Any notes or other information:

- C5 Science elective must be other than Physics to meet Liberal Studies requirement of two different sciences. CHEM 132 is recommended.
To enroll in the junior-senior major courses, students must have completed the following courses with a "C" or better: ECET 231, 321 and MATH 153.

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

Course Descriptions

Electrical and Computer Engineering Technology (ECET)

211 Electronic Drafting and Fabrication (3)
Electronic drafting and graphics; design, assembly and fabrication of electronic circuits and equipment. 2 Lecture, 2 Lab.

231 Circuit Analysis I (4)
Fundamental electrical theory involving DC/AC circuits. Topics include series, parallel, series-parallel networks; electromagnetic theory; transient circuit analysis; introduction to AC electricity. COREQ: MATH 145. 2 Lecture, 2 Recitation, 2 Lab.

242 Electronic Circuits (4)
Study of analog electronic circuits including amplifiers, regulators, and special applications. Both discrete semiconductor devices and integrated circuits are covered. PREQ: 231. (2 Lecture, 2 Lab, 2 Recitation).

290 Computer Engineering Fundamentals (3)
An introductory course in the engineering study of microcomputers. Operating systems, bus architecture, memory structure, motherboard chip sets, and input/output boards will be studied. 2 Lecture, 2 Lab.

301 Electrical Systems (3)
Direct current and alternating current electricity. Topics include Ohm’s Law, series, parallel and series-parallel circuits, transformers and measurement techniques. Not open to ECET majors. PREQ: MATH 144 or 145. 2 Lecture, 2 Lab.

302 Instrumentation and Controls (3)
Control system components and applications, control diagram, solid-state components, industrial motors and controls, programmable controllers. Not open to ECET majors. PREQ: 301 or permission of instructor. 2 Lecture, 2 Lab.

321 Circuit Analysis II (4)
Fundamentals of DC/AC circuits. Topics include AC series, parallel, series-parallel circuits; analysis techniques; network theorems; resonance, and transformers. PREQ: 231. 2 Lecture, 2 Lab, 2 Recitation.

331 Digital Integrated Circuits (4)
Study of combinational and sequential digital circuits using integrated circuit techniques. PREQ: 231. 2 Lecture, 2 Lab, 2 Recitation.

332 Microcontrollers (4)
Study of contemporary 8-bit microcontrollers. Microcontroller architecture, programming, and interfacing. PREQ: 331. 3 Lecture, 2 Lab.

341 Advanced Circuit Analysis (3)
Study of linear systems; introduction to digital signal processing. PREQ: 321; MATH 153. COREQ: MATH 255.

431 Microprocessor Interfacing (4)
Study of microprocessor fundamentals including architecture, instruction sets, and programming. Interfacing 8086 microprocessor based equipment to external hardware. PREQ: 331 and CS 150. 3 Lecture, 2 Lab.
452 Control Systems (4)
Fundamental principles of control theory and instrumentation with particular applications in manufacturing processes. PREQ: 341. 3 Lecture, 2 Lab.

461 Digital Signal Processing (3)
An introduction to discrete and digital systems using transforms. The architecture and assembly language of DSP processors will be used in various applications. PREQ: 341. 2 Lecture, 2 Lab.

464 Instrumentation (4)
Data acquisition using virtual instruments. Sensors, transducers, and signal conditioning used in the measurement of physical parameters. PREQ: 332. 3 Lecture, 2 Lab.

478 Senior Design Project Proposal (1)
Research methodology, literature review, and industrial writing styles, culminating in a written report proposal for a senior project. S/U grading. PREQ: Senior standing and permission of instructor.

479 Senior Design Project (3)
Organizing, planning, and implementing a project using acceptable industrial techniques culminating in a formal written report and oral presentation. PREQ or COREQ: 478. 1 Lecture, 4 Lab.

493 Special Topics (1-3, R6)
PREQ: Permission of instructor.

MAJOR IN ELECTRICAL ENGINEERING, B.S. DEGREE

The B.S. degree in Electrical Engineering is a joint offering between WCU and UNC-Charlotte. All courses in the degree program are offered on the Cullowhee campus.

Freshmen and transfer students accepted into the University with the request to be in the electrical engineering program will be further evaluated by the department. Based upon an overall evaluation of high school records and test scores, with particular emphasis on advanced courses in math and science and test scores, freshmen may be admitted to one of two tracks:

- **FENG** – Students with acceptable records will be accepted directly to the Freshman Engineering sequence.
- **PENG** – Students needing additional courses before being accepted into the Freshman Engineering sequence will be advised as pre-engineers.

Admission to the Electrical Engineering program requires completion of all freshman year engineering program requirements with grades of C or better. Students from the FENG track must also have a minimum cumulative GPA of 2.00 for all courses taken. Students from the PENG track must have a minimum cumulative GPA of 2.50 for all courses taken.

In addition to the University requirements for continued enrollment, students in the electrical engineering program must maintain a cumulative GPA of 2.0 for all courses in the electrical engineering major. Failure to meet this requirement for two consecutive semesters will result in suspension from the electrical engineering program.
Liberal Studies, 42 hours

The major requires 85 hours as follows:

**Electrical Engineering:**

EE 200 Computer Utilization in C++, 3 hours  
EE 201 Network Theory I, 3 hours  
EE 202 Network Theory II, 3 hours  
EE 211 Logic and Networks Laboratory, 1 hour  
EE 212 Instrumentation and Networks Laboratory, 1 hour  
EE 221 Logic Systems Design I, 3 hours  
EE 222 Electrical Engineering Design I, 2 hours  
EE 311 Systems and Electronics Laboratory, 1 hour  
EE 312 Electromagnetic and Electronic Devices Laboratory, 1 hour  
EE 321 Electromagnetic Fields, 3 hours  
EE 322 Electromagnetic Devices, 3 hours  
EE 331 Fundamentals of Electronics and Semiconductors, 3 hours  
EE 332 Electronics, 3 hours  
EE 341 Electrical Engineering Design II, 2 hours  
EE 342 Solid State Electronic Devices, 3 hours  
EE 351 Systems Analysis I, 3 hours  
EE 401 Senior Design I, 2 hours  
EE 402 Senior Design II, 2 hours  
EE 411 Analog and Digital Communication, 3 hours  
EE 412 Electrical Engineering Professional Practice, 2 hours  
ENGR 199 Introduction to Engineering Practices and Principles I, 3 hours  
ENGR 200 Introduction to Engineering Practices and Principles II, 2 hours  
ENGR 300 Professional Development, 1 hour

**Mathematics/Sciences:**

MATH 152 Engineering Calculus I, 3 hours  
MATH 252 Engineering Calculus II, 3 hours  
MATH 253 Engineering Calculus III, 3 hours  
MATH 320 Ordinary Differential Equations, 3 hours  
MATH 370 Probability and Statistics I, 3 hours  
CHEM 140 Advanced General Chemistry, 4 hours  
PHYS 230 Calculus Based Physics I, 4 hours  
PHYS 231 Calculus Based Physics II, 3 hours  
PHYS 310 Modern Physics, 3 hours  
PHYS 322 Optics and Materials, 3 hours

**CURRICULUM GUIDE FOR ELECTRICAL ENGINEERING (B.S.)**

**FRESHMAN YEAR**

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<tr>
<td><strong>Course and Number</strong></td>
<td><strong>Course and Number</strong></td>
</tr>
<tr>
<td>ENGR 199 Eng/Prac/Prin. I. (FS)</td>
<td>ENGR 200 Eng/Prac/Prin. II</td>
</tr>
<tr>
<td>MATH 152 Eng. Calc. 1 (C2)</td>
<td>MATH 252 Eng. Calc. II</td>
</tr>
<tr>
<td>CHEM 140 Adv. Chem. (C5)</td>
<td>PHYS 230 C-B Physics I (C5)</td>
</tr>
<tr>
<td>ENGL 101 Composition I (C1)</td>
<td>ENGL 102 Composition II (C1)</td>
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<tr>
<td>Social Sciences (P1)</td>
<td>Social Sciences (P1)</td>
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### SOPHOMORE YEAR

#### FALL SEMESTER
<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>EE 201 Network Theory I</td>
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<tr>
<td>EE 200 Comp. Util. in C++</td>
<td>3</td>
</tr>
<tr>
<td>EE 221 Logic Sys. Design. I</td>
<td>3</td>
</tr>
<tr>
<td>EE 211 Logic/Netwks Lab</td>
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<tr>
<td>MATH 253 Eng. Calc. III</td>
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<tr>
<td>PHYS 231 Calc-Based Phys II</td>
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#### SPRING SEMESTER
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<thead>
<tr>
<th>Course and Number</th>
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<tbody>
<tr>
<td>EE 202 Network Theory II</td>
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<tr>
<td>EE 222 El. Eng. Design I</td>
<td>2</td>
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<tr>
<td>EE 212 Instr/Netwks Lab</td>
<td>1</td>
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<tr>
<td>Oral Communications (C3)</td>
<td>3</td>
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<tr>
<td>MATH 320 Ord. Diff. Equations</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 310 Modern Physics</td>
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</table>

Total: 16

### JUNIOR YEAR

#### FALL SEMESTER
<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>EE 351 Sys. Anal. I</td>
<td>3</td>
</tr>
<tr>
<td>EE 341 El. Eng. Design II</td>
<td>2</td>
</tr>
<tr>
<td>EE 331 Fund. El/Semicond.</td>
<td>3</td>
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<tr>
<td>EE 321 E-M Fields</td>
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<tr>
<td>ENGR 300 Prof. Dev.</td>
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<tr>
<td>EE 311 Sys/Electronics Lab</td>
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<tr>
<td>Fine/Perf Arts (P5)</td>
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#### SPRING SEMESTER
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<tr>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>EE 322 E-M Devices</td>
<td>3</td>
</tr>
<tr>
<td>EE 332 Electronics</td>
<td>3</td>
</tr>
<tr>
<td>EE 342 Solid-State El. Dev.</td>
<td>3</td>
</tr>
<tr>
<td>EE 312 E-M/Devices Lab</td>
<td>1</td>
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<tr>
<td>MATH 370 Prob/Statistics</td>
<td>3</td>
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<tr>
<td>Humanities (P4)</td>
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Total: 16

### SENIOR YEAR

#### FALL SEMESTER
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<tr>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>EE 401 Senior Design I</td>
<td>2</td>
</tr>
<tr>
<td>EE 411 Anal/Dig Comm</td>
<td>3</td>
</tr>
<tr>
<td>EE 4XX Elective</td>
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<tr>
<td>Tech. Elective</td>
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<tr>
<td>World Cultures (P6)</td>
<td>3</td>
</tr>
<tr>
<td>Wellness (C4)</td>
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#### SPRING SEMESTER
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<tr>
<th>Course and Number</th>
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<tbody>
<tr>
<td>EE 402 Senior Design II</td>
<td>2</td>
</tr>
<tr>
<td>PHYS 322 Optics/Mat'l's</td>
<td>3</td>
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<tr>
<td>EE 412 El. Eng. Prof. Prac.</td>
<td>2</td>
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<tr>
<td>Tech. Elective</td>
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<tr>
<td>Tech. Elective</td>
<td>3</td>
</tr>
<tr>
<td>History (P3)</td>
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</tr>
</tbody>
</table>

Total: 17

Note: Courses indicated by designations in bold such as P6 fulfill the liberal studies component. An upper level requirement is contained in the Liberal Studies component.

### Course Descriptions

**Engineering (ENGR)**

199 Introduction to Engineering Practices and Principles I (3)
An introduction to the electrical engineering discipline, curriculum, personal and professional development, teamwork, project planning, communication skills, and conceptual design engineering. Freshman Engineering majors only. 2 Lecture, 2 Lab.

200 Introduction to Engineering Practices and Principles II (2)
Application utilizing the tools and techniques in the electrical engineering discipline. Emphasis on analysis skills, mathematical skills, understanding of the profession/curriculum, and problem solving skills. PREQ: 199. 1 Lecture, 2 Lab.

300 Professional Development (1)
Viewing engineering as a career through participation in activities such as attendance of professional society meetings, participation in student organizations, attendance at visiting lectures, seminars, etc. PREQ: Junior standing in EE.
Electrical Engineering (EE)

200 Computer Utilization in C++ (3)
An introduction to the use of computers and computing methods to solve engineering problems. Structure and object oriented programming design using C++.

201 Network Theory I (3)
Direct current circuit analysis, Ohm’s law, Kirchoff’s laws, nodal and mesh analysis, Thevenin’s theorem, source transformation, maximum power transfer, R-L, R-C and RLC transient circuit analysis.

202 Network Theory II (3)
Alternating current circuit analysis, phasors, Kirchoff’s laws, single-phase and 3-phase circuits, resonant circuits, filter networks, Laplace transforms, Fourier series, Fourier transforms and Fourier analysis techniques. PREQ: 201.

211 Logic and Networks Laboratory (1)
Network measurements and applications, experimental logic design; introduction to laboratory equipment and techniques. COREQ: 201 and 221 or permission of program director.

212 Instrumentation and Networks Laboratory (1)
Network measurements and applications, experimental logic design; introduction to laboratory equipment and techniques. PREQ: 201 or permission of program director.

221 Logic Systems Design I (3)
Introduction to Boolean algebra; mixed logic; design of combinational circuits; introduction to sequential systems; MSI building blocks; includes laboratory design projects. COREQ: 211 or permission of program director.

222 Electrical Engineering Design I (2)
Introduction to conceptual design; circuit design; parameter sensitivity analysis; cost performance tradeoff analysis and interconnection compatibility design; written technical report and oral presentation. PREQ: 201, 211, 221; COREQ: 202, 212.

311 Systems and Electronics Laboratory (1)
Systems and signals measurements and applications; electronics circuits. PREQ: 202, 212. COREQ: 351, 331 or permission of program director.

312 Electromagnetic and Electronic Devices Laboratory (1)
Measurements and applications of electromagnetic and solid state devices. PREQ: 311. COREQ: 332 or permission of program director.

321 Electromagnetic Fields (3)
Electric and magnetic fields using vector formulation. Vector Analysis; Stoke’s Theorem; Electrostatics; Coulomb’s law; Laplace and Poisson’s equations; Magnetostatics: vector potentials, Lorentz force; Faraday’s law. PREQ: 202.

322 Electromagnetic Devices (3)
331 Fundamentals of Electronics and Semiconductors (3)
Theory and application of semiconductor devices. Ideal operational amplifier applications; diode and its applications; bipolar transistors and MOSFETs with applications; dc biasing and small-signal analysis. PREQ: 201.

332 Electronics (3)

341 Electrical Engineering Design II (2)
Application of conceptual design; circuit design; parameter sensitivity analysis; cost performance tradeoff analysis and interconnection compatibility design. Written technical report and oral presentation. PREQ: 202, 212, 222. COREQ: 311, 331.

342 Solid State Electronic Devices (3)

351 Systems Analysis I (3)
Complex variables; continuous-time systems; LTI systems; Fourier transforms; Laplace transforms; representation of systems using differential equations. PREQ: 201.

401 Senior Design I (2)
A project-oriented course stressing the planning and design of experiments to support the student's project. Formation of the design problem and specifications. PREQ: 211, 212, 311, 312, 331, 351 and senior standing in EE.

402 Senior Design II (2)
A continuation of EE 401 consisting of project development and analysis, culminating in a written and oral presentation. PREQ: 401.

411 Analog and Digital Communication (3)
Analysis and transmission of signals including analog communication (amplitude and frequency modulation); digital communications (pulse code modulation, data transmission, phase-shift keying, frequency-shift keying). PREQ: 351.

412 Electrical Engineering Professional Practice (2)
Engineering ethics; safety and liability in the manufacturing workplace; product design, development, planning; cost estimating for non-recurring engineering work; Total Quality Management; effective technical presentation. PREQ: Senior standing in EE.

MAJOR IN ENGINEERING TECHNOLOGY, B.S. DEGREE

Liberal Studies, 42 hours

Engineering Systems Technology
The major requires 67 hours as follows:
CHEM 132 Introduction to Chemistry, 4 hours
MATH 140 Introduction to Calculus, 5 hours
MATH 144 or 145, Applied Trigonometry or Trigonometry, 3 hours  
MATH 170 Applied Statistics, 3 hours  
PHYS 130 Introductory Physics, 4 hours  
ENGL 305 Technical Writing, 3 hours  
ECET 301 Electrical Systems, 3 hours  
ET 132 Engineering Graphics, 3 hours  
ET 141 Engineering Materials and Processes, 3 hours  
ET 231 3D Computer Modeling and Rapid Prototyping, 3 hours  
ET 232 Statics and Strength of Materials, 3 hours  
ET 331 Quality and Metrology Systems, 3 hours  
ET 349 Rapid Tooling and Prototyping, 3 hours  
ET 353 Engineering Analysis, 3 hours  
ET 420 Polymer Technology, 3 hours  
ET 425 Metrology and Reverse Engineering, 3 hours  
ET 436 Engineering Economics, 3 hours  
ET 441 Power Transmission Systems, 3 hours  
ET 461 Engineering Project Management, 3 hours  
ET 472 Integrated Control Systems, 3 hours  
ET 479 Integrated Systems Project, 3 hours  

General electives (15 hours) 9 of which must be upper level.

The mathematics and sciences courses that are required in the major may be used to satisfy liberal studies categories C2 and C5. In this case 9 hours of general electives must be taken to meet degree requirements.

**CURRICULUM GUIDE FOR ENGINEERING TECHNOLOGY (B.S.)**

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>Course and Number</th>
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<tbody>
<tr>
<td>ENGL 101 Composition I (C1)</td>
<td>3</td>
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<tr>
<td>ET 132 Engineering Graphics</td>
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<tr>
<td>MATH 144 or 145 Trigono. (C2)</td>
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<td>190 Series First Year Seminar</td>
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<tr>
<td>P5 Fine and Performing Arts</td>
<td>3</td>
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<td>JS 101 Jumpstart</td>
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<tbody>
<tr>
<td>ENGL 102 Composition II (C1)</td>
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<tr>
<td>ET 141 Eng. Materials &amp; Processes</td>
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<tr>
<td>HEAL 123 or HSCC 101 (C4)</td>
<td>3</td>
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<tr>
<td>P4 Humanities</td>
<td>3</td>
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<tr>
<td>P6 World Cultures</td>
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<tr>
<td>MATH 140 Intro. to Calculus</td>
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<tr>
<td>PHYS 130 Intro. Physics</td>
<td>4</td>
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<tr>
<td>P1 Social Sciences</td>
<td>3</td>
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<td>P3 History</td>
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<tr>
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<tr>
<td>MATH 170 Applied Statistics</td>
<td>3</td>
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<tr>
<td>CHEM 132 Intro. Chemistry (C5)</td>
<td>4</td>
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<tr>
<td>CMHC 201 Communication (C3)</td>
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**SOPHOMORE YEAR**

**FALL SEMESTER**

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<tr>
<th>Course and Number</th>
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<tbody>
<tr>
<td>ECET 301 Electrical Systems</td>
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<tr>
<td>ET 331 Quality/Metrology Sys.</td>
<td>3</td>
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<tr>
<td>ET 349 Rapid Tooling/Prototyp.</td>
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<td>Electives</td>
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<tr>
<td>ENGL 305 Technical Writing</td>
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<tr>
<td>ET 353 Engineering Analysis</td>
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<td>P3 History</td>
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**SPRING SEMESTER**

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**JUNIOR YEAR**

**FALL SEMESTER**

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

**SENIOR YEAR**

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Hrs.</th>
<th>SPRING SEMESTER</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>ET 420 Polymer Technology</td>
<td>3</td>
<td>ET 425 Metrology/Reverse Eng.</td>
<td>3</td>
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<td>ET 436 Engineering Economics</td>
<td>3</td>
<td>ET 472 Integrated Control Sys.</td>
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<td>ET 441 Power Transmission Sys.</td>
<td>3</td>
<td>ET 479 Integrated Systems Proj.</td>
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<td>ET 461 Eng. Project Mgt.</td>
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**Total Hours for Degree: 124**

**Minor in Digital Communications Engineering Technology**
The minor requires 19 hours including ECET 231 (coreq. MATH 145), ECET 290, ECET 331 (preq. ECET 231), ECET 332 (preq. ECET 331) and PHYS 131 (preq. PHYS 130).

**Plus Two Option for Engineering Technology Degree**
Graduates of two year degree programs with a technology major may enroll in the Plus Two Option to secure a BS degree in Engineering Technology. Further information is available from the Engineering Technology Transfer Program Coordinator in the Department of Engineering Technology.

**Engineering Sales and Distribution Certificate**
An Engineering Sales and Distribution Certificate requires 18 hours to include the following courses: ET 362, ET 436, MKT 301, MKT 306, MKT 310, and MKT 409. The Engineering Sales and Distribution Certificate is available to students who are pursuing the Engineering Technology degree.

**Course Descriptions**

**Engineering Technology (ET)**

101 *Introduction to Computer Graphics and Animation* (3)
Fundamentals of computer graphics and animation; two, three and four dimensional computer graphics; engineered product layout and marketing; image and object types. 2 Lecture, 2 Lab.

132 *Engineering Graphics* (3)
Forms of industrial drawing; orthographic and pictorial projections, sketching and basic drawing board procedures. 2 Lecture, 2 Lab.

141 *Engineering Materials and Processes* (3)
Fundamentals of industrial materials, their mechanical, physical, and chemical nature as related to manufacturing processes. 2 Lecture, 2 Lab.

151 *Computer Graphics for Documentation and Layout* (3)
An introduction to reverse engineering as applied to systems; geometric dimensioning and tolerances, codes and symbols; two-dimensional projects related to engineered systems documentation and layout. PREQ: MET 132. 2 Lecture, 2 Lab.

190 *Technology Systems* (3)
A study of technology systems and processes in order to develop an understanding of the history and impact of technology systems on individuals, the environment, society, and the global community.
231 3D Computer Modeling and Rapid Prototyping (3)
Exposure to the broad spectrum of automated graphics and computer-aided design. PREQ: 132. 2 Lecture, 2 Lab.

232 Statics and Strength of Materials (3)
Study of forces and the effect of forces acting on static bodies, including the stresses and deflections or deformations from applied loads. PREQ: 132; MATH 146; PHYS 130.

331 Quality Systems (3)
Techniques for monitoring and assuring quality. PREQ: 141 and MATH 170; or permission of instructor.

335 Occupational Safety Standards (3)
Standards and practices for industrial and educational safety related to local, state, and federal safety regulations.

336 Environmental Instrumentation (3)
Basic instrumentation techniques used to measure industrial safety and health hazards. PREQ: 335. 2 Lecture, 2 Lab.

337 Management of Safety Systems (3)
Comprehensive, organized management approach for identifying, measuring, and reducing operational errors leading to accidents. PREQ: 335.

338 Fire Control and Compliance Management (3)
Emergency planning, compliance with standards, recognition of fire hazards, implementation of controls, and extinguishing agents and methods. COREQ: 335.

341 CAM Systems (3)
Manufacture of 2D and 3D parts utilizing computer-aided manufacturing equipment and software. Conversion of CAD designs into numerical control programs for milling and turning. PREQ: 231, 242, and MATH 146. 2 Lecture, 2 Lab.

349 Rapid Tooling and Prototyping (3)
Prototyping methods and rapid tooling practices for product fabrication. Emphasis on computer methods, 3D prototyping, CNC machining and tooling systems. PREQ: PHYS 130, MATH 144 or 145, ET 231. 2 Lecture, 2 Lab.

351 Engineering Analysis (3)

352 3D Computer Graphics and Animation (3)
Intermediate constraint-based parametric modeling applied to architecture construction and the production of fully rendered and animated structures and systems. PREQ: 242. 2 Lecture, 2 Lab.

353 Advanced 3D Computer Graphics and Animation (3)
Advanced constraint-based parametric modeling applied to mechanical design assemblies, structures, and general object types. PREQ: 352, MET 231. COREQ: 410. 2 Lecture, 2 Lab.

362 Engineering Logistics (3)
A study of various aspects of logistics and industrial distribution in the engineering domain. PREQ: 132, 141.

389 Cooperative Education (3, R9)
See Cooperative Education Program.
410 Parametric Modeling in Engineering Design II (3)
Intermediate to advanced constraint-based parametric computer modeling applied to mechanical/industrial design components and mechanisms. PREQ: MET 231. COREQ: 353. 2 Lecture, 2 Lab.

420 Polymer Technology (3)
Industrial fabrication techniques; topics in polymer science and mold construction. 2 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.

423 Fluid Systems (3)
Basic fluid mechanics; hydraulic and pneumatic systems used in industrial manufacturing processes. PREQ: MATH 144 or 145, PHYS 130. 2 Lecture, 2 Lab.

425 Metrology and Rapid Prototyping (3)
Dimensional metrology, coordinate measuring machine, GD&T, engineering drawing interpretation, and fundamental technologies that enable the various forms of rapid prototyping. PREQ: MATH 144 or 145, PHYS 130, ET 151 or permission of instructor. 2 Lecture, 2 Lab.

434 Plant Layout (3)
Problem analyses and design of plant facilities; plant layout, material flow, and handling; physical storage systems. PREQ: Technology major and senior standing.

435 Technology and Civilization (3)
The interdependence of society and technology; modern industrial processes; use of energy and material resources; pollution; population explosion; food supplies.

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 Power Transmission Systems (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.

449 Advanced Rapid Tooling and Prototyping (3)
Advanced prototyping methods and rapid tooling practices for product design and fabrication. Advanced machining, tooling, and metrology will be covered. PREQ: 349. 2 Lecture, 2 Lab.

461 Engineering Project Management (3)
Engineering project management is a technique for accomplishing specialized missions or work when normal organizational structure or methods are not sufficient.

470 AIDC for the Enterprise (3)
A study of methods and systems used to automate data collection and the identification of physical objects. PREQ: ECET 301 or permission of instructor. 2 Lecture, 2 Lab.

472 Automated Systems (3)
Electronic sensing, logic, and control functions applied to automated systems. PREQ: ECET 301. 2 Lecture, 2 Lab.

478 Integrated Systems Project (3)
Organizing, planning, and implementing a project using acceptable industrial techniques culminating in a formal written report and oral presentation. 1 Lecture, 4 Lab.
Computer Graphics and Animation Portfolio Project (3)
Organizing, planning, and implementing a computer graphics and animation project using acceptable techniques culminating in a formal written report, portfolio, and oral presentation. PREQ: Permission of instructor. 2 Lecture, 2 Lab.

Independent Study (1-3, R6)
Independent study in industrial, technical, or vocational education; project required. PREQ: Permission of adviser and instructor.

Special Topics (1-3, R6)
PREQ: Permission of instructor.

Engineering Technology Seminar (3)
Trends, issues, and selected topics pertinent to current operations and practices. PREQ: Engineering technology major and senior standing. Seminar.

Graduate Courses
510 Advanced Parametric Model and Prototyping (3) 641 Quality Assurance (3)
521 Ergonomics (3) 642 Automation Systems (3)
522 Advanced Polymer Technology (3) 644 Data Acquisitions, Systems Control and Biometrics (3)
524 Facilities Management and Maintenance (3) 648 Manufacturing Research and Analysis (3)
534 Facilities Layout (3) 680 Independent Study (3, R6)
536 Engineering Economic Analysis (3) 688 Directed Project (1-3, R6)
570 Telecommunications and Networking Systems (3) 695 Seminar in Engineering Technology (1-3, R3)
575 Systems Integration and Management (3) 699 Thesis (3, R6)
593 Topics in Engineering Tech. (1-3, R6) 779 Continuing Applied Research (1, R10)
603 Applied Research Methods and Experimental Design (3) 799 Continuing Research—Thesis Option (1, R24)

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

MAJOR IN INDUSTRIAL DISTRIBUTION
This program is on inactive status and no new students are being enrolled.

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

Course Descriptions
Industrial Distribution (ID)
230 Industrial Distribution (3)
The flow of industrial goods and services through the industrial distributor.

360 Industrial Distribution Organization (3)
Survey of organizational structure in manufacturing industries.
370 Product Management and Inventory Control (3)
The study of the many aspects of industrial distribution product management. Topics to be covered may include computer systems and their uses, purchasing, and warehouse management. PREQ: 230 or permission of instructor.

389 Cooperative Education in Industrial Distribution (1 or 3, R15)
See Cooperative Education Program.

440 Information Management and Technology in Industrial Distribution (3)
Using information technology to provide distributors a strategic advantage over their competitors by facilitating problem solving, increasing productivity and quality, improving customer service, and enabling change.

479 Industrial Distribution Seminar (3)
Covers through research, lecture and field trips, electronic data interchange; just-in-time distribution; distribution finance; bar coding; take-offs and quotes from catalogs and specifications; other innovative concepts. PREQ: 230, 360 or permission of instructor.

480 Problems in Industrial Distribution (1-3)
Independent study of problems in industrial distribution; project required. PREQ: Industrial distribution major and permission of instructor.

493 Special Topics (1-3, R6)
PREQ: Industrial distribution major and permission of instructor.

MAJOR IN MANUFACTURING ENGINEERING TECHNOLOGY
This program is on inactive status and no new students are being enrolled.

Course Descriptions

Manufacturing Engineering Technology (MET)

242 Machining Processes (3)
Techniques of industrial machining processes. PREQ: 132, 141; MATH 144 or 145; PHYS 130. 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.

342 Lean Manufacturing Systems Analysis and Planning (3)
Analysis of manufacturing system efficiency using lean concepts of value stream mapping, single piece flow, kaizen events, value added analysis, pull systems, and production control. PREQ: 141; MATH 170.

366 Manufacturing Materials and Processes (3)
Study of the nature, composition, and structure of various materials used in manufacturing. Materials include ferrous and nonferrous metals, polymer, ceramics, wood, and fibers.

393 Topics in Engineering Technology (1-3, R9)

431 Automated Manufacturing (3)
Automated manufacturing systems, strategies, and methods commonly used in modern manufacturing. Emphasis on control methods and computer integration. PREQ: 231, 342 and EET 302 and CS 130; 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.

493 Special Topics (1-3, R6)
PREQ: Permission of instructor.

MAJOR IN TELECOMMUNICATIONS ENGINEERING TECHNOLOGY, B.S.
DEGREE

Liberal Studies, 42 hours

The major requires 83 hours as follows:

CS 150 Computer Programming I, 4 hours
ECET 231 Circuit Analysis I, 4 hours
ECET 242 Electronic Circuits, 4 hours
ECET 290 Computer Engineering Fundamentals, 3 hours
ECET 321 Circuit Analysis II, 4 hours
ECET 331 Digital Integrated Circuits, 4 hours
ECET 341 Advanced Circuit Analysis, 3 hours
ECET 478 Senior Design Project Proposal, 1 hour
ECET 479 Senior Design Project, 3 hours
MATH 145 Trigonometry, 3 hours
MATH 146 Algebra and Analytical Geometry, 3 hours
MATH 153 Calculus I, 4 hours
MATH 170 Applied Statistics, 3 hours
MATH 255 Calculus II, 4 hours
PHYS 130 Introductory Physics I, 4 hours
PHYS 131 Introductory Physics II, 4 hours
TEL 312 Electronic Communication Fundamentals, 4 hours
TEL 345 Introduction to Local Area Networks, 4 hours
TEL 346 Wide Area Networks, 4 hours
TEL 444 Wireless Systems, 4 hours
TEL 445 Network Planning and Design I, 3 hours
TEL 446 Telecommunications Management, 3 hours
TEL 447 Network Planning and Design II, 3 hours
TEL 495 Seminar on Telecommunications, 3 hours

Three (3) hours of electives are required to complete the program.
To enroll in the junior-senior TEL major courses, students must have completed the following courses with a “C” or better: ECET 231, 321 and MATH 153.

Minor in Broadcast Telecommunications Engineering Technology

The minor requires 19 hours including ECET 231 (Coreq: MATH 145), 242 (Preq. 231), 290, 331 (Preq. 231), TEL 312 (Preq. ECET 242 and MATH 153).

Minor in Telecommunications

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

A typical minor will include the following courses: TEL 345, TEL 346, TEL 445, TEL 446, and TEL 495.
CURRICULUM GUIDE FOR TELECOMMUNICATIONS ENGINEERING TECHNOLOGY (B.S.)

FRESHMAN YEAR

FALL SEMESTER

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<td>PHYS 131 Physics II</td>
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SOPHOMORE YEAR

FALL SEMESTER

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<td>TEL 345 Introduction to LANs</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

JUNIOR YEAR

FALL SEMESTER

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<td>MATH 255 Calculus II</td>
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<td>MATH 153 Calculus I</td>
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<td>TEL 444 Wireless Systems</td>
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<td>TEL 445 Net. Plan. &amp; Design I</td>
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<td>TEL 446 Telecom Management</td>
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Total Hours for Degree: 128
Total Hours of Pre-requisites: 3 (MATH 130, if required.)

- C5 Science elective must be other than Physics to meet Liberal Studies requirement of two different sciences. CHEM 132 is recommended.
- To enroll in the junior-senior major courses, students must have completed the following courses with a "C" or better: ECET 231, 321 and MATH 153.

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

Telecommunications Engineering Technology (TEL)

312 Electronic Communication Fundamentals (4)
Fundamental principles of communications theory including spectrum analysis, noise, and modulation techniques. PREQ: ECET 242 and MATH 153. 3 Lecture, 2 Lab/week.

345 Introduction to Local Area Networks (4)
Study of local area network architectures, protocols, and operating systems with emphasis on the first three levels of the OSI model. PREQ: ECET 290 or permission of instructor. 3 Lecture, 2 Lab/week.

346 Wide Area Networks (4)
Study of transmission equipment, switching technologies, interconnection, and protocols associated with the telecommunications industry. PREQ: 345. 3 Lecture, 2 Lab/week.

444 Wireless Systems (4)
Application of communication theory, digital signal processing, and digital modulation to wireless systems. PREQ: 312 or equivalent. 3 Lecture, 2 Lab/week.

445 Network Planning and Design I (3)
An engineering approach to establishing telecommunications networks locally and globally. Communications network simulation is introduced and used to design networks. PREQ: 346. 2 Lecture, 2 Lab/week.

446 Telecommunications Management (3)
A study of the technical and management issues associated with the administration of complex, highly integrated networks. A variety of hardware and software tools will be discussed. PREQ: 346. 2 Lecture, 2 Lab/week.

447 Network Planning and Design II (3)
Continuation of TEL 445, Network Planning and Design I, with concentration on advanced network design. PREQ: 445. 2 Lecture, 2 Lab/week.

480 Problems in Telecommunications (1-3, R6)
Independent study in telecommunications engineering technology: project required. PREQ: Permission of adviser and instructor.

493 Special Topics (1-3, R6)
Current topics in telecommunications. PREQ: Permission of instructor.

495 Seminar on Telecommunications (3)
Study of current issues in the telecommunications industry, to include legislative acts, business trends, and emerging technology. PREQ: Senior standing.

DEPARTMENT OF HEALTH SCIENCES
Christine D. Stevens, head


MAJOR IN ATHLETIC TRAINING SPORTS MEDICINE, B.S. DEGREE

Liberal Studies, 42 hours

The major requires 71 hours as follows:

HSCC 150 Introduction to Athletic Training, 3 hours
ATTR 210 Clinical Anatomy and Biomechanics, 4 hours
ATTR 221 Therapeutic Modalities I, 1 hour
ATTR 222 Therapeutic Modalities II, 1 hour  
ATTR 283 Introduction to Clinical Education I, 1 hour  
ATTR 284 Introduction to Clinical Education II, 1 hour  
ATTR 323 Therapeutic Modalities III, 1 hour  
ATTR 324 Therapeutic Modalities IV, 1 hour  
ATTR 330 Clinical Measures for the Lower Extremity, 2 hours  
ATTR 340 Clinical Measures for the Upper Extremity, 2 hours  
ATTR 350 Analysis of Dysfunction for the Lower Extremity, 3 hours  
ATTR 360 Analysis of Dysfunction for the Upper Extremity, 3 hours  
ATTR 365 Physiology and Pathology, 3 hours  
ATTR 370 Evaluation and Treatment of the Spine, 3 hours  
ATTR 375 Therapeutic Exercise, 4 hours  
ATTR 377 Strength and Conditioning, 1 hour  
ATTR 383 Clinical Education I, 3 hours  
ATTR 384 Clinical Education II, 3 hours  
ATTR 410 Organization and Administration in Athletic Training, 3 hours  
ATTR 415 Professional Development in Athletic Training, 3 hours  
ATTR 450 Radiology & Diagnostic Procedures, 1 hour  
ATTR 483 Clinical Education III, 3 hours  
ATTR 484 Clinical Education IV, 8 hours  
HSCC 240 Introduction to Emergency Medical Care, 3 hours  
HSCC 241 Basic Emergency Medical Techniques, 2 hours  
HSCC 370 Introduction to Pharmacology, 2 hours  
PE 425 Exercise Physiology, 3 hours  
ND 320 Nutrition in Athletics, 3 hours

General electives, 9 hours

CURRICULUM GUIDE FOR ATHLETIC TRAINING SPORTS MEDICINE (B.S.)

FRESHMAN YEAR

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SOPHOMORE YEAR

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<td>HSCC 241 Basic Emer Med Tech</td>
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<td>ND 320 Nutrition in Athletics</td>
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### JUNIOR YEAR

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<td>C5 Phys &amp; Biol Sciences</td>
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<td>ATTR 370 Eval &amp; Treat of Spine</td>
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<td>ATTR 321 Therap Modalities III</td>
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<td>ATTR 375 Thera Exercise</td>
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<td>ATTR 360 Anal &amp; Dys of the UE</td>
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<td>ATTR 340 Clin Meas for the UE</td>
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<td>ATTR 384 Clinical Education II</td>
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<td>ATTR 365 Physiology &amp; Path</td>
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### SENIOR YEAR

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<td>ATTR 410 Organ &amp; Admin</td>
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<td>HSCC 370 Pharmacology</td>
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<td>ATTR 450 Radiology &amp; Diag Proc</td>
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<td>PE 425 Exercise Physiology</td>
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<td>ATTR 484 Clinical Education IV</td>
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<td>ATTR 377 Strength &amp; Cond</td>
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**Total hours: 122 hours**

**Liberal Studies: 42 hours**

**Major in Athletic Training Sports Medicine: 71 hours**

**Electives: 9 hours**

**Suggested Electives:**

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

### Course Descriptions

**Athletic Training Sports Medicine (ATTR)**

**210 Clinical Anatomy & Biomechanics (4)**

Biomechanics and functional anatomy, including the upper extremities, lower extremities and spine. Discussion of anatomical, kinesiologic, biomechanical and physiologic principles related to athletic training. 3 Lecture, 2 Lab.

**221 Therapeutic Modalities I (1)**

Designed to introduce the student to theories on pain modulation and the acute inflammatory response, as well as cryotherapy and thermotherapy therapeutic modalities. 2 Lecture, 2 Lab. (5 week course)

**222 Therapeutic Modalities II (1)**

Designed to introduce the student to the foundations of electrical current in rehabilitation and electrical stimulation therapeutic modalities commonly utilized in the athletic training profession. 2 Lecture, 2 Lab. (5 week course)
291 Introduction to Clinical Education I (1)
Designed to introduce the student to the process of clinical education through involvement in an approved clinical site at WCU or an affiliate clinical site. 3 meetings.

292 Introduction to Clinical Education II (1)
Designed to introduce the student to the process of clinical education through involvement in an approved clinical site at WCU or an affiliate clinical site. 3 meetings.

323 Therapeutic Modalities III (1)
Designed to introduce the student to theories of ultrasound, iontophoresis and diathermy as therapeutic modalities commonly utilized in athletic training. 2 Lecture, 2 Lab. (5 week course)

324 Therapeutic Modalities IV (1)
Designed to introduce the student to theories of therapeutic massage, intermittent compression, biofeedback and LASER as commonly utilized in athletic training. 2 Lecture, 2 Lab. (5 week course)

330 Clinical Measures for the Lower Extremity (2)
Completion of clinical skills needed for the evaluation of the lower extremity, including the foot, ankle, knee and hip, in the physically active population. 3 Lab.

340 Clinical Measures for the Upper Extremity (2)
Completion of clinical skills needed for the evaluation of the upper extremity, including the head, face, shoulder, elbow, forearm, wrist and hand in physically active population. 3 Lab.

350 Analysis of Dysfunction of the Lower Extremity (3)
Evaluation techniques of the lower extremity, including the foot, ankle, knee and hip, and common orthopedic conditions of the lower extremity in the physically active population.

360 Analysis of Dysfunction of the Upper Extremity (3)
Evaluation techniques of the upper extremity, including the head, face, shoulder, elbow, forearm, wrist and hand, and common orthopedic conditions of the upper extremity.

365 Physiology and Pathology (3)
Teaches concepts of human physiology and basic pathology, involving detailed evaluation skills necessary for assessment and recognition of general medical conditions of the physically active.

370 Evaluation and Treatment of the Spine (3)
Evaluation techniques of the spine and pelvis, including the cervical spine, thoracic spine, lumbar spine and sacroiliac joints, and common orthopedic conditions of the trunk.

375 Therapeutic Exercise (4)
Designed to provide the student with programs, theories and concepts vital in therapeutic exercise, rehabilitation and reconditioning. 3 Lecture, 3 Lab.

377 Strength & Conditioning (1)
Designed to promote an understanding of the fundamental concepts of strength and conditioning, including program, and concepts vital in injury prevention, rehabilitation and reconditioning.

391 Clinical Education I (3)
Designed to expose the student to clinical education through involvement in an approved clinical site at Western Carolina University or an affiliate clinical site. 3 meetings.

392 Clinical Education II (3)
Designed to expose the student to clinical education through involvement in an approved clinical site at Western Carolina University or an affiliate clinical site. 3 meetings.

410 Organization and Administration in Athletic Training (3)
Designed to examine the various issues, policies and procedures involved with the administration of athletic training in a variety of professional settings.
415 Professional Development in Athletic Training (3)
Prepares students for the NATABOC Examination and to enter the athletic training workforce or to pursue graduate education in athletic training or a related field.

450 Radiology and Diagnostic Procedures (1)
Provides fundamental clinical knowledge of commonly utilized diagnostic imaging techniques in sports medicine.

491 Clinical Education III (3)
Designed to expose the student to clinical education through involvement in an approved clinical site at Western Carolina University or an affiliate clinical site. 3 meetings.

492 Clinical Education IV (8)
Designed to expose the student to new theories, concepts and challenges through completion of a twelve-week clinical education experience at an approved affiliate clinical site. 2 meetings.

MAJOR IN CLINICAL LABORATORY SCIENCES, B.S. DEGREE

Liberal Studies, 42 hours

The major requires 72 hours as follows:

BIOL 292 Human Anatomy and Physiology, 4 hours
CHEM 140 Advanced General Chemistry, 4 hours
CHEM 241 Organic Chemistry I, 3 hours
CHEM 242 Organic Chemistry II, 3 hours
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 306 Immunohematology, 3 hours
CLS 308 Advanced Hematology, 3 hours
CLS 309 Clinical Biochemistry, 3 hours
CLS 311 Basic Medical Microbiology, 4 hours
CLS 312 Advanced Medical Microbiology, 3 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
HSCC 320 Human Resource Management in Health Care Agencies, 3 hours
MATH 130 College Algebra, 3 hours

General electives, 15 hours.

Minor in Clinical Forensics
The minor requires 18 hours, including CJ 430, ANTH 251 and CLS 315. Other courses that may be used as electives include: CJ 423, CLS 304, CLS 306, ANTH 364, and ENVH 375.

CURRICULUM GUIDE FOR CLINICAL LABORATORY SCIENCES (B.S.)

FRESHMAN YEAR

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<td>P6 World Cultures</td>
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Total Hours: 16

### Spring Semester

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Total Hours: 16

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

### Junior Year

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<td>CLS 303 Basic Hematology</td>
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<td>CLS 304 Immunology</td>
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<td>CLS 311 Basic Med. Microbiology</td>
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<td>CHEM 361 Prin. of Biochem.</td>
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Total Hours: 16

### Senior Year

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<td>CLS 485 Clin. Pract. in Urinalysis</td>
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<td>CLS 486 Clinical Pract. in Hema.</td>
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<td>CLS 488 Clinical Pract. Microbio.</td>
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Total Hours: 12

Total Hours for Degree: 120

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### Course Descriptions

**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.

306 Immunohematology (3)
The study of blood component therapy. PREQ: 303, 304, CLS major. 2 Lecture, 3 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 (4)
Bacterial physiology as related to disease production; isolation and identification of organisms using current medical laboratory procedures. PREQ: CLS Majors or permission of instructor. 3 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.

315 Molecular Diagnostics (3)
An introduction to principles and applications for molecular techniques used in the clinical laboratory and in forensics. 2 Lecture, 3 Lab.

389 Cooperative Education in Medical Technology (1 or 3, R12)
PREQ: HSCC 389. See Cooperative Education Program.

406 Current Issues in Clinical Laboratory Management (2)
Organization and administration of the clinical laboratory. PREQ: Senior status. 1 Lecture, 2 Lab.

480 Independent Study (1-2)
PREQ: Permission of instructor.

485 Clinical Practicum in Urinalysis (2)
PREQ: 301. 6 Clinic.

486 Clinical Practicum in Hematology (3-5)
PREQ: 308. 9-15 Clinic.

487 Clinical Practicum in Blood Banking and Serology (3-5)
PREQ: 306. 9-15 Clinic.

488 Clinical Practicum in Microbiology (3-5)
9-15 Clinic.

489 Clinical Practicum in Clinical Chemistry (3-5)
PREQ: 309. 9-15 Clinic.
Health Sciences (HSCC)

101 Nutrition, Fitness, and Wellness (3)
Dimensions of human wellness with an emphasis on physical health. Application of skills will be encouraged, and self-responsibility will be highlighted. 1 hour supervised physical activity every other week. (C4)

110 e-Health Computer Applications (3)
Introduction to technology-related competencies essential for success in the e-health environment. Hands-on experience with Windows, Internet search and general and healthcare-specific computer applications.

130 Introduction to Health Professions (3)
Survey of health specialties, the health sciences, and the preparation, values, and perspectives of health professionals; roles of members of the healthcare team.

150 Introduction to Athletic Training (3)
An introduction to athletic training, including care and prevention of injuries incurred by athletes and physically active individuals and basic skills required of athletic trainers.

191 Does Inequality Make You Sick? (3)
A study of genetic, environmental, social, and economic influences as determinants of health, introducing an approach to problem solving using scientific, ethical, and social data.

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 (3)
Patient assessment, CPR, airway management, splinting and bandaging, childbirth, defibrillation, extrication rescue. PREQ or COREQ: 240. 6 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.

300 Occupational Health (3)
Historical, social, and legislative overview of occupational health and the prevention of injuries and illnesses. The impact of human behavior and culture will be examined. (P1)

310 Principles of Clinical Precepting (1)
Study of the principles of presenting, bench teaching, learning assessment, and entry-level performance in clinical laboratory teaching. PREQ: Junior standing in CLS or permission of instructor.
311 Systems and Trends in Health Care Delivery (3)
Overview of theories and principles concerning health, disease, and the delivery system. Examination of emerging trends and issues and their relationship to the delivery system. PREQ: Health sciences major or permission of instructor.

320 Human Resource Management in Health Care Agencies (3)
Selected knowledge and skills related to recruiting, interviewing, selecting, training, and evaluating human resources in healthcare agencies.

330 Legal and Legislative Aspects of Health Care (1-3)
The legal aspects of healthcare and legislative forces affecting it; impact on practitioners.

370 Introduction to Pharmacology (2)
Principles, including the dynamics of drug activity, synthesis, and toxicity in drug therapy. PREQ: BIOL 291, 292 and permission of instructor.

371 Pharmacology Techniques (1)
Techniques of medication calculation and administration. PREQ: EMC major or permission of program director. COREQ: 370. 2 Lab.

389 Cooperative Education in Health Sciences (1 or 3, R15)
See Cooperative Education Program.

440 Quality Management in Health Care Agencies (3)
Quality management terminology, methodology, principles, and selected case studies utilized in healthcare agencies as a vehicle for organizational research. Introduction of managed care. PREQ: Health sciences major or permission of instructor.

450 Financial Management in Health Care (3)
Selected knowledge and skills related to budgeting and the financial management of clinical departments and service units. PREQ: 320, 340, or permission of instructor.

470 Research Methodology and Analysis in Health Science (2)
Overview of methodology and analysis for inquiry in health sciences, designed to prepare health sciences majors for assessing and conducting research.

471 Research Project (1, R2)
Completion of a research study where the student works independently under the direction of a faculty adviser, within their discipline, in conducting and documenting research. PREQ: 470.

493 Special Topics (1-3)

Graduate Courses
Graduate courses are listed in the Graduate Catalog under Master of Health Sciences (MHS).

MAJOR IN EMERGENCY MEDICAL CARE, B.S. DEGREE

Liberal Studies, 42 hours
The major requires 77-78 hours as follows:

*BIOL 291 Human Anatomy and Physiology, 4 hours
*BIOL 292 Human Anatomy and Physiology, 4 hours
*CHEM 132 Introductory Chemistry, 4 hours and
*CHEM 133 Survey of Organic and Biochemistry, 4 hours
or
*CHEM 140 Advanced General Chemistry, 4 hours and *CHEM 241 Organic Chemistry I, 3 hours
EMC 340 Introduction to Clinical Medicine, 3 hours
EMC 340 Introduction to Clinical Medicine Lab, 1 hour  
EMC 350 Cardiology, 2 hours  
EMC 351 Basic ECG Interpretation, 1 hour  
EMC 360 Acute Fluid and Respiratory Disorders, 2 hours  
EMC 361 Advanced Emergency Medical Techniques, 1 hour  
EMC 370 Medical Emergencies, 3 hours  
EMC 382 Clinical Practicum I, 1 hour  
EMC 410 Trauma Management, 2 hours  
EMC 410 Trauma Management Lab, 1 hour  
EMC 420 Maternal and Child Emergency Care, 3 hours  
EMC 430 Special Needs Patients, 1 hour  
EMC 451 Advanced ECG Interpretation, 1 hour  
EMC 461 Simulation Laboratory, 1 hour  
EMC 483 Clinical Practicum II, 4 hours  
EMC 484 Clinical Practicum III, 2 hours  
EMC 485 MICU Practicum, 3 hours  
EMC 496 Senior Seminar in Emergency Medical Care, 1 hour  
*HSCC 240 Introduction to Emergency Medical Care, 3 hours  
*HSCC 241 Basic Emergency Medical Techniques, 3 hours  
HSCC 330 Legal and Legislative Aspects of Health Care, 3 hours  
HSCC 370 Introduction to Pharmacology, 2 hours  
HSCC 371 Pharmacology Techniques (Lab), 1 hour

*courses to be completed before the junior-year.

Concentration selected from:

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

Health Management, 17 hours: HSCC 311, 450, 470, MGT 300, plus 6 hours from ACCT 161, ECON 231, EMC 445, HSCC 320, 440, 471, MATH 170, MGT 304, MGT 306, MKT 301

General electives (8-9 hours).

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

#### FRESHMAN YEAR

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<th>FALL SEMESTER</th>
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<th>SPRING SEMESTER</th>
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<td>123/101 Wellness</td>
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<td>CMHC 201</td>
<td>Communication</td>
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<td>PHYS 131</td>
<td>Introductory Physics II</td>
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#### SOPHOMORE YEAR

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<td>P 3 History</td>
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*Suggest HSCC 220 Medical Terminology as an elective course.

**JUNIOR YEAR**

<table>
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<th><strong>Course and Number</strong></th>
<th><strong>Hrs.</strong></th>
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<td>EMC 350 Cardiology</td>
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<td>EMC 351 Basic ECG Interpret.</td>
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<td>EMC 360 Fluids &amp; Respiratory</td>
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<td>HSCC 370 Intro to Pharmacology</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

**SENIOR YEAR**

<table>
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Total Hours for Degree: 128

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

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

**FRESHMAN YEAR**

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<td>CHEM 133 Survey of Organic and Biochemistry</td>
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*Suggest HSCC 220 Medical Terminology as an Elective course.*
### SOPHOMORE YEAR

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### JUNIOR YEAR

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<td>EMC 360 Fluids &amp; Respiratory</td>
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<td>HSCC 370 Intro to Pharmaco.</td>
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<td>HSCC 311 System/Trends in Healthcare</td>
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<td>EMC 370 Medical Emergencies</td>
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<td>MGT 300 Intro to Management</td>
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<td>EMC 420 Maternal-Child</td>
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<td>Emergency Care</td>
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<td>Life Support</td>
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</tbody>
</table>

Total Hours for Degree: 128

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

### Course Descriptions

**Emergency Medical Care (EMC)**

**340 Introduction to Clinical Medicine (3)**

The role and responsibilities of the paramedic, basic medical terminology, patient assessment, including history taking and physical examination techniques. **PREQ:** EMC major or permission of program director. **COREQ:** 340 Lab. (Lab is required.)
340 Introduction to Clinical Medicine Lab (1)
PREQ: EMC major or permission of program director. COREQ: EMC 340 lecture.

350 Cardiology (2)
Pathophysiology, assessment, and treatment of cardiac emergencies. PREQ: 340, 351, or permission of instructor. 2 Lecture, 1 Lab.

351 Basic ECG Interpretation (1)
ECG interpretation in the monitoring leads. PREQ: Permission of instructor. COREQ: EMC 351-01 Basic ECG Interpretation.

360 Acute Fluid and Respiratory Disorders (2)

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 (2)
Assessment and management of traumatic emergencies, including patient access, stabilization, and transport; radio communications and use of ALS protocols. PREQ: EMC major or permission of program director. COREQ: 410 Lab. (Lab is required).

410 Trauma Management Laboratory (1)
PREQ: EMC major or permission of program director. COREQ: EMC 410 Lecture.

420 Maternal and Child Emergency Care (3)
Obstetrical, gynecological, and pediatric emergencies. PREQ: 340 and HSCC 370 or permission of program director.

430 Special Needs Patients (1)
Assessment and emergency care of the elderly and handicapped. PREQ: 360 or permission of program director.

445 EMC Systems Management (3)
Planning and managing an emergency medical services system. Emphasis on demand analysis, staffing, medical direction, reimbursement, capital investment, and cost control.

451 Advanced ECG Interpretation (1)
Advanced electrocardiography including 12-lead ECG interpretation. PREQ: 350, 351.

452 Advanced Cardiac Life Support (1)
The American Heart Association course leading to certification in advanced cardiac life support. PREQ: EMC major or permission of program director. 2 Lab.

461 Simulation Laboratory (1-3)
Application of Emergency Assessment and medical management skills using a human patient simulator. 2-6 Lab.
Independent Study in Emergency Medical Care (2)
PREQ: Permission of instructor.

Clinical Practicum II (1-4)
Experience to develop clinical competency in advanced life support assessment and skills.
PREQ: 350, 360, 370. 12 Lab hours.

Clinical Practicum III (2)
Advanced clinical rotations in a hospital setting. PREQ: 420, 483. 8 Lab.

MICU Practicum (1-3)
Supervised field experience on mobile intensive care units. PREQ: 410, 420, 483. 9 Lab.

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.

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.

Topics in Emergency Medical Care (1-3, R6)

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.

MAJOR IN ENVIRONMENTAL HEALTH, B.S. DEGREE

Liberal Studies, 42 hours

The major requires 78 hours as follows:

BIOL 292 Human Anatomy and Physiology, 4 hours
BIOL 413 Principles of General Microbiology, 2 hours
BIOL 414 Methods of General Microbiology, 2 hours
CHEM 132 Introductory Chemistry, 4 hours
CHEM 133 Survey of Organic and Biochemistry, 4 hours
CHEM 330 Aquatic Chemistry, 3 hours
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
MATH 130 College Algebra, 3 hours
MATH 170 Applied Statistics, 3 hours or PSY 251 Research Methods I: Statistics, 3 hours
MATH 145 Trigonometry, 3 hours
PHYS 105 Contemporary Physics, 3 hours (Exclusive of liberal studies)
Designated emphasis area (9 hours) in industrial safety, public health, water quality, chemistry, environmental protection, or natural resources management are required.
General electives (8 hours) are required to complete the program. The courses selected in the designated emphasis area and in general electives must include, in combination, at least 8 hours at the junior-senior level.

### CURRICULUM GUIDE FOR ENVIRONMENTAL HEALTH, (B.S.)

#### FRESHMAN YEAR

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<td>190 seriesFirst Year Seminar</td>
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<td>PHYS 105 Contempory Physics</td>
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#### SOPHOMORE YEAR

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#### JUNIOR YEAR

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

#### SUMMER SCHOOL I

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#### SENIOR YEAR

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<td>ENVH 440 Air Quality Control</td>
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<td>ENVH470 Prin. of Epidemiology</td>
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<td>HSCC 320 HR Mgt. in Hlth. Care Agen.</td>
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<td>ENVH457 Industrial Hygiene</td>
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<td>Emphasis Area</td>
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</table>
Environmental Health (ENVH)

130 Environmental Health Science: Systems and Solutions (3)
A comprehensive overview of environmental health science connecting the natural environment to human society. Exploration of environmental issues and sustainability. (C5)

190 From Black Death to Bioterrorism - The Public Health Solution (3)
Public Health solutions applied to past and future world health concerns such as emergent diseases and international threats such as bioterrorism.

230 Introduction to Environmental Health Science (3)
Survey of human impacts on the environment and health problems caused by environmental factors.

310 Water Quality Control (4)
Environmental management practices related to water pollution and water quality. 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.

380 Biosafety and Bioterrorism (3)
Overview of concepts related to the successful management of public health response to bioterrorism in the U.S. Includes a review of likely bioterrorism agents and biosafety practices. Environmental Health or Emergency Management majors or permission of instructor.

389 Cooperative Education in Environmental Health (1 or 3, R12)
PREQ: HSCC 389. See Cooperative Education Program.
390 Environmental Issues in Construction (4)
Comprehensive overview of environmental impact of common construction processes; and, environmental/occupational hazards and liability associated with those processes.

430 Medical and Veterinary Entomology (4)
Vectors responsible for arthropod-borne diseases of medical and veterinary importance. 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)
575 Environmental Program Administration (3)
655 Hazardous Materials and Waste Management (3)
670 Water Quality (3)
671 Environmental Regulation and Law (3)
675 Loss Control through Industrial Hygiene (3)

MAJOR IN HEALTH INFORMATION ADMINISTRATION, B.S. DEGREE

Liberal Studies, 42 hours

The major requires 71 hours as follows:
BIOL 291 Human Anatomy and Physiology, 4 hours
BIOL 292 Human Anatomy and Physiology, 4 hours
CIS 251 Management Information Systems, 3 hours
HIA 310 Introduction to Health Information Administration, 2 hours
HIA 312 Coding and Classification Systems, 4 hours
HIA 314 Record Systems and Standards, 3 hours  
HIA 318 Department Administration, 3 hours  
HIA 326 Principles of Disease, 4 hours  
HIA 410 Health Care Statistics and Registries, 3 hours  
HIA 412 Health Care Reimbursement, 3 hours  
HIA 418 Enterprise Administration, 3 hours  
HIA 420 Health Care Informatics, 3 hours  
HIA 483 Professional Practice Experience I, 2 hours  
HIA 484 Professional Practice Experience II, 1 hour  
HIA 485 Professional Practice Experience III, 3 hours  
HIA 495 Seminar in Health Information Administration, 3 hours  
HSCC 110 e-Health Computer Applications, 3 hours  
HSCC 220 Medical Technology, 3 hours  
HSCC 311 Systems and Trends in Health Care Delivery, 3 hours  
HSCC 320 Human Resource Management in Health Care Agencies, 3 hours  
HSCC 330 Legal and Legislative Aspects of Health Care, 3 hours  
HSCC 440 Quality Management in Health Care Agencies, 3 hours  
HSCC 450 Financial Management in Health Care, 3 hours  
HSCC 470 Research Methodology and Analysis in Health Sciences, 2 hours  

Electives (9 hours) are required to complete the program.

BIOL 291 (4) may be used to meet liberal studies requirements. Students using this option will need 3 hours of additional electives to complete the 122 hour program.

**CURRICULUM GUIDE FOR HEALTH INFORMATION ADMINISTRATION, (B.S.)**

**FRESHMAN YEAR**

<table>
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**SOPHOMORE YEAR**

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<td>M BIOL* 292 A &amp; P II</td>
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<tr>
<td>C5 Core Science</td>
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<td>C3 CMHC 201 Comm.</td>
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<td>M HSCC 110 HS Computers</td>
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<td>C2 Core- Math</td>
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<td>M HSCC 311 HC Del Systems</td>
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<td>M CIS 251 Mgmt. Inf. Sys.</td>
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**JUNIOR YEAR**

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<td>M HIA 314 Record Sys.</td>
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<tr>
<td>M HIA 326 Princ. of Disease</td>
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<td>M HIA 312 Coding &amp; Class. Sys.</td>
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</table>
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### MINI-MESTER

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<td>HIA 481 PPE I</td>
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### SENIOR YEAR

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<td>M HIA 410 HC Stats &amp; Registries</td>
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<td>M HIA Enterprise Admin.</td>
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<td>M HIA 412 Reimbursement</td>
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<td>M HSCC 440 Quality Mgmt.</td>
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<td>M HIA 420 HC Informatics</td>
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<td>M HIA 495 Seminar in HIA</td>
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<td>M HIA 482 PPE II</td>
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<td>M HSCC 470 Research</td>
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***BIOL 291 may be used to meet LS requirements. Students using this option will need 3 hours of additional electives to complete this program.

M = HIA major requirements

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### Course Descriptions

#### Health Information Administration (HIA)

**310 Introduction to Health Information Administration (2)**
Orientation to the healthcare environment; health information management profession and its history, ethics, and duties; overview of the basic departmental functions for a paper-based patient record.

**312 Coding and Classification Systems (4)**
Theory and application of principles and conventions for inpatient and outpatient coding systems, including abstracting, code assignment, sequencing, NCCI, and computer applications. **PREQ:** 326. **COREQ:** 314. 3 Lecture, 2 Lab.

**314 Record Systems and Standards (3)**
Study of creation/uses of patient data across healthcare, including: content, format, analyses, control, numbering/filing systems, storage, retention, accreditation, certification, licensure standards, and regulations. **PREQ:** 310. **COREQ:** HSCC 330. 2 Lecture, 2 Lab.
318 Department Administration (3)
Principles of supervision and administration as applied in health care departments. Emphasis on communication and problem-solving related to planning, organizing, directing, controlling, and budgeting. COREQ: HSCC 310.

326 Principles of Disease (4)
Study of the diagnosis, management, and documentation of common diseases with emphasis on etiology, signs and symptoms, complications, and current pharmacological and surgical therapies. PREQ: BIOL 291, 292, and HSCC 220.

410 Health Care Statistics and Registries (3)
Computation of routine healthcare statistics; the United States vital statistics system; registries; and, presentation and interpretation of healthcare data. PREQ: All preceding HIA courses.

412 Health Care Reimbursement (3)
Principles of professional and facility reimbursement, including: common inpatient and outpatient payment systems, current regulations, casemix analysis, chargemaster, compliance, claims auditing, utilization and case management. PREQ: 312, 314.

418 Enterprise Administration (3)
HIA roles in healthcare enterprises, including: strategic planning and decision support; project management; cost-benefit analysis, performance improvement, facilitation of work teams, negotiation, and change. PREQ: 318, HSCC 320.

420 Health Care Informatics (3)
Analysis, design, and implementation of clinical and administrative automated data systems, including: technologies; standards, protocols, regulations, and security requirements. Study of the electronic health record. PREQ: HSCC 110, all preceding HIA courses. 2 Lecture, 2 Lab.

480 Independent Study in Health Information Administration (1-3, R6)
PREQ: Permission of HIA program director and instructor.

483 Professional Practice Experience I (2)
Supervised professional practice in an acute-care facility, focusing on health information processes. PREQ: All preceding HIA courses.

484 Professional Practice Experience II (1)
Supervised professional practice in non-acute care facilities and other healthcare related organizations. PREQ: 481, all preceding HIA courses.

485 Professional Practice Experience III (3)
Supervised professional practial application in an acute-care facility, focusing on administrative and supervisory functions. PREQ: All preceding HIA courses.

495 Seminar in Health Information Administration (3)
Transition to the professional role, including: discussion of issues and trends; professional ethics, rights and responsibilities; strategies for the credentialing exam and career management. PREQ: Senior HIA major.

MAJOR IN NUTRITION AND DIETETICS, B.S. DEGREE

Liberal Studies, 42 hours

The major requires 64 hours as follows:

CHEM 132 Introductory Chemistry, 4 hours
CHEM 133 Survey of Organic and Biochemistry, 4 hours
ND 231 Food Science, 4 hours
ND 330 Human Nutritional Needs, 3 hours
ND 334  Nutritional Applications, 2 hours  
ND 340  Community Nutrition, 2 hours  
ND 433  Research Methods in Nutrition, 3 hours  
ND 434  Experimental Methods in Foods, 3 hours  
ND 436  Advanced Human Nutrition, 4 hours  
ND 437  Diet Therapy, 4 hours  
ND 439  Introduction to Professional Practice, 3 hours  
HSCC 310  Principles of Clinical Precepting, 1 hour  
HT 333  Quantity Foods, 3 hours  
HT 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  
HSCC 320  Human Resource Management in Health Care Agencies, 3 hours  
HSCC 450  Financial Management in Health Care, 3 hours  
MATH 170  Applied Statistics or PSY 251  Research Methods |: Statistics, 3 hours  
PSY 150  General Psychology, 3 hours  

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

Minor in Nutrition and Dietetics
The minor requires 18-22 hours, including ND 231, 330 and 334, and 8 hours of approved electives.

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

**FRESHMAN YEAR**

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**SOPHOMORE YEAR**

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>HSCC 260</td>
<td>or BIOL 313</td>
<td>3</td>
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<tr>
<td>Microbiology/ Etiology</td>
<td>3</td>
<td>ND 330</td>
</tr>
<tr>
<td>P1 Social Sciences</td>
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<td>HSCC 310</td>
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<tr>
<td>P3 History</td>
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<td>General Electives</td>
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<tr>
<td>P5 Fine &amp; Performing Arts</td>
<td>3</td>
<td></td>
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<tr>
<td>P6 World Cultures</td>
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<td><strong>15</strong></td>
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**JUNIOR YEAR**

<table>
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<tr>
<td>P1-P6 Jr-Sr</td>
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<td>HT 333</td>
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<tr>
<td>ND 231 Food Science</td>
<td>4</td>
<td>ND 334</td>
</tr>
<tr>
<td>HSCC 320</td>
<td>HR Mgt. in Hlth. Care</td>
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</table>
HSCC 330 Legal & Legislative 2 General Electives 8
Aspects of Health Care
General Elective 3
15

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

**SENIOR YEAR**

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
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<tbody>
<tr>
<td><strong>Course and Number</strong></td>
<td><strong>Course and Number</strong></td>
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<tr>
<td>ND 436 Advanced Human Nut.</td>
<td>ND 437 Diet Therapy</td>
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<tr>
<td>HT 433 Instit. Foodservice Mgt.</td>
<td>ND 439 Intro. to Prof. Practice</td>
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<tr>
<td>ND 433 Research Methods in Nut.</td>
<td>ND 434 Experimental Foods</td>
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<td>HSCC 450 Fin. Mgt. in Health Care</td>
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<td>General Elective</td>
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</table>

Total Hours for Degree: **120**

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

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

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

**Course Descriptions**

**Nutrition and Dietetics (ND)**

**190 Personal Nutrition (3)**
Basic research-based nutrition concepts applied to assessment and adjustment of personal nutrition habits; critical evaluation of nutrition information and influences on dietary patterns.

**231 Food Science (4)**
Scientific principles of food preparation; effect of preparation practices on food quality and nutrient retention; storage and preservation principles. 3 Lecture, 3 Lab.

**300 The Science of Nutrition (3)**
An introduction to the principles of a healthful diet and weight control in comparison to current trends in eating behaviors and food production. 3 in-class laboratory sessions during four 75-minute class periods.

**310 Food, Nutrition, and Culture (3)**
Exploration of the role of cultural diversity in formation of food habits with focus on changes in U.S. dietary patterns related to global cultural plurality. (P6)

**320 Nutrition in Athletics (3)**
Students will learn to integrate basic concepts of nutrition, energy metabolism and exercise physiology to understand nutritional requirements in exercise.

**330 Human Nutritional Needs (3)**
Principles of nutrition; needs throughout the life cycle; selection of well-balanced diets for health and well-being.

**334 Nutritional Applications (2)**
Applications of the principles of nutrition to diet planning, nutrient analysis, including computer-aided analysis, and nutritional assessment and counseling. PREQ: 330.
338 Normal and Therapeutic Nutrition (3)
Principles of normal human nutrition, altered nutrient requirements of disease states, and medical nutrition therapy. PREQ: BIOL 292, CHEM 133.

340 Community Nutrition (2)
Application of nutrition principles to planning funding implementation, monitoring and evaluation of community nutrition programs and activities. PREQ: 330.

389 Cooperative Education in Nutrition (1 or 3, R15)
See Cooperative Education Program.

431 Food Preservation (3)
Principles and procedures for food preservation; home methods, principles of home food sanitation and spoilage, food storage techniques. PREQ: 231 or permission of instructor. 2 Lecture, 2 Lab.

432 Institutional Food Systems (3)
Functions of management applied to food service systems; emphasis on food service equipment, layout and design, menu development, procurement, and production management.

433 Research Methods in Nutrition (3)
Standard procedures for nutrient analysis, including proximate analysis of foods; introductory experimental design and methodology. PREQ: 231; MATH 170 or PSY 251. COREQ: 436. 2 Lecture, 4 Lab.

434 Experimental Methods of Foods (3)
Advanced food science principles and techniques of sensory and objective evaluation of foods. PREQ: 231; CHEM 133. 2 Lecture, 4 Lab.

436 Advanced Human Nutrition (4)
Normal nutrition related to biochemical and physiological functioning; interrelationships of nutrients and their effect on body needs. PREQ: 334; BIOL 292; CHEM 133. COREQ: 433.

437 Diet Therapy (4)
Mechanisms by which food contributes to maintenance of health, prevention of disease, and correction of nutritional disorders. PREQ: 436. COREQ: 439.

439 Introduction to Professional Practice (3)
Introduction to professional ethics, conduct in patient care, utilization of laboratory values, nutritional assessment, and dietary management. COREQ: 437. 2 Lecture, 3 Clinical.

480 Independent Study in Nutrition (1-3, R6)
PREQ: Permission of instructor.

483 Internship (3, 3, 3)
Integration of theory and practice in a setting appropriate to the student’s career field.

485 S/U grading. PREQ: Permission of instructor. 9 hours per week per course.

495 Seminar in Nutrition (1)
Student presentations on current topics in nutrition. PREQ: 436.

Graduate Courses
533 Research Methods in Nutrition (3)
534 Experimental Methods of Foods (3)
536 Advanced Human Nutrition (4)
537 Diet Therapy (4)
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)
639 Vitamins and Minerals (3)
640 Advanced Nutrition in Athletics (2)
681 Practicum in Clinical Dietetics (3, R6)
682 Practicum in Administrative Dietetics (3, R6)
683 Practicum in Community Dietetics (3)
693 Topics in Nutrition and Food Science (1-3, R9)
695 Advanced Nutrition Seminar (1, R2)
MAJOR IN INTERIOR DESIGN, B.S. DEGREE

Liberal Studies, 42 hours

The major requires 69 hours as follows:

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

Select 9 hours from the following:

ART 131, 132, 141, 142, 233, 234, 241, 251

Select 3 hours from the following:

IDES 355 History of Furniture and Design II, 3 hours
ART 136, 137
IDES 356 Contract Design I, 3 hours
IDES 357 Kitchen and Bath Design I, 3 hours
IDES 358 CAD for Interior Design, 3 hours
IDES 450 Residential Design II, 3 hours
IDES 451 Kitchen and Bath Design II, 3 hours
IDES 455 Contract Design II, 3 hours

Select 3 hours from the following:

IDES 456 Professional Practice in Interior Design, 3 hours
ACCT 251, LAW 230, 331, MGT 300, MKT 301, 306
IDES 389 or 483 Cooperative Education/Internship, 3 hours

Select one of the following to complete the research/project requirement

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

or

IDES 465 Travel Studies, 6 hours

General Electives, 12 hours

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

Minor in Residential Environments

The minor requires 18 hours: IDES 250, 252, 257, 350, 355 and 251. In lieu of taking IDES 251, one of the following art courses may be substituted (ART 131, 132, 141, 142, 233, 234, 241, or 251).
### CURRICULUM GUIDE FOR INTERIOR DESIGN, (B.S.)

#### FRESHMAN YEAR

**FALL SEMESTER**

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
<th>SPRING SEMESTER</th>
<th>Course and Number</th>
<th>Hrs.</th>
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<td>ENGL 102 Composition II</td>
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<td>C2 Math</td>
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<td>HEAL or HSCC 123/101 Wellness</td>
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<td>JS 101 Jumpstart</td>
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#### SOPHOMORE YEAR

**FALL SEMESTER**

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<tr>
<td>C5 Physical &amp; Biological Science</td>
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<td>C5 Physical &amp; Biological Science</td>
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<td>IDES 250 Intro to Interior Design</td>
<td>3</td>
<td>IDES 255 Space Planning</td>
<td>3</td>
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<tr>
<td>IDES 251 Arch. Draft. &amp; Design</td>
<td>3</td>
<td>IDES 256 Perspective Drawing</td>
<td>3</td>
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<tr>
<td>ART 132 or 142 Design</td>
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#### JUNIOR YEAR

**FALL SEMESTER**

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<tr>
<td>IDES 350 Hist. of Furn. &amp; Des.</td>
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<td>IDES 355 Hist. of Furn. &amp; Des. II</td>
<td>3</td>
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<tr>
<td>IDES 351 Lighting Design</td>
<td>3</td>
<td>IDES 356 Contract Design I</td>
<td>3</td>
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<tr>
<td>IDES 352 Residential Design I</td>
<td>3</td>
<td>IDES 357 Kitchen &amp; Bath Design</td>
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<tr>
<td>ART Elective</td>
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<td>IDES 358 CAD for Interior Design</td>
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<tr>
<td>P6 World Cultures</td>
<td>3</td>
<td>P5 Jr-Sr Fine &amp; Performing Arts</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

#### JUNIOR YEAR

**SUMMER SESSION I**

<table>
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<tr>
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<th>SUMMER SESSION II</th>
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<tr>
<td>IDES 465 Trav. Stud. in Int. Des.</td>
<td>6</td>
<td>IDES 389 or 483 Co-op/Internship</td>
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#### SENIOR YEAR

**FALL SEMESTER**

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<th>Course and Number</th>
<th>Hrs.</th>
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<tr>
<td>IDES 450 Residential Design II</td>
<td>3</td>
<td>IDES 455 Contract Design II</td>
<td>3</td>
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<tr>
<td>IDES 451 Kit. &amp; Bath Design II</td>
<td>3</td>
<td>IDES 456 Professional Practice</td>
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<tr>
<td>IDES 452 or 457 Senior</td>
<td>3</td>
<td>General Elective</td>
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<td>Research or Senior Project</td>
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Total Hours for Degree: 123

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

2Indicates courses offered with two sections per semester.
Students must earn a minimum grade of “C” or better in all IDES courses. Students may finish earlier if they attend summer school at WCU or another approved institution.

Course Descriptions

INTERIOR DESIGN (IDES)

250 Introduction to Interior Design (3)
The study of design as applied to creative problem solving within the interior environment.

251 Architectural Drafting and Design (3)
Architectural drafting techniques for communicating working drawings using plans, elevations, details, architectural standards, lettering, and paraline drawings. 2 Lecture, 2 Lab.

252 Survey of Interior Materials (3)
Analysis of manufacturing process, source, specification, and application of interior materials. COREQ: 153 or permission of instructor.

255 Space Planning (3)
Introduction to space planning for residential and commercial environments. Topics explored include: zoning, furniture placement, circulation and accessibility. PREQ: 250, 251. 2 Lecture, 2 Lab.

256 Perspective Drawing (3)
Visualization of space through various perspective views to illustrate a design concept using rendering drawing techniques. PREQ: 250, 251, and ART 132. 2 Lecture, 2 Lab.

257 Architectural Construction Process (3)

350 History of Furniture and Design I (3)
Survey of art, architecture, and furniture from ancient time to the nineteenth century.

351 Lighting Design (3)
Lighting design in residential and commercial spaces and the vital impact it plays on interiors. PREQ: 255. 2 Lecture, 2 Lab.

352 Residential Design I (3)
The application of the design process to the development of small scale residential environments. PREQ: 252, 255, 256, 257. 2 Lecture, 2 Lab.

353 Detailing and Design (3)
Casework, furniture, and architectural detailing and design. PREQ: Permission of instructor.

355 History of Furniture and Design II (3)
Development of art, architecture and furniture from nineteenth century to the present.

356 Contract Design I (3)
The application of the design process to the development of small scale commercial environments. PREQ: 351, 352. 2 Lecture, 2 Lab.

357 Kitchen and Bath Design I (3)
Utilizing the standards established by The National Kitchen and Bath Association, students learn how to properly design and document safe and functional kitchen and bath environments. PREQ: 351, 352. 2 Lecture, 2 Lab.

358 CADD for Interior Design (3)
The advanced application of computer-aided drafting as a design tool for the interior designer. PREQ: IDES 352. 2 Lecture, 2 Lab.

389 Cooperative Education in Interior Design (1 or 3, R15)
See Cooperative Education Program. PREQ: Permission of program director.
450 Residential Design II (3)
Design of medium to large scale residential environments, which may include historical and/or cultural aspects. PREQ: 352, 357, and 350/ or 355/ or ART History. 2 Lecture, 2 Lab.

451 Kitchen and Bath Design II (3)
The further development of skills utilized in solving cabinetry related design applications. PREQ: 357, 358. 2 Lecture, 2 Lab.

452 Senior Research (3)
Supervised research directed toward a topic selected in consultation with the instructor. PREQ: 356, 357, 358.

455 Contract Design II (3)
Design of medium to large scale commercial environments, which may include historical and/or cultural aspects. PREQ: 356, 358, 452. 2 Lecture, 2 Lab.

456 Professional Practice in Interior Design (3)
Methods of organizing and marketing design services, the use of business forms and contracts, and how to prepare for the job market. COREQ: 457 or permission of instructor.

457 Senior Project (3)
Application of senior research. PREQ: 452.

460 Problem Solving in Design (3)
Creative problem solving provides an opportunity to apply advanced design concepts and/or theories in a specific area of study. PREQ: Permission of instructor. 2 Lecture, 2 Lab.

465 Travel Studies in Interior Design (6)
This course is structured to immerse students in design settings and the cultural heritage of an international or domestic travel destination. PREQ: Permission of instructor.

480 Independent Study in Interior Design (1-3, R6)
PREQ: Permission of instructor.

483 Internship (3, 3, 3)
484 Integration of theory and practice in a setting appropriate to the student’s career
485 field. S/U grading. PREQ: Permission of program director.

493 Topics in Interior Design (3, R9)
Examination of current topics and trends in interior design. PREQ: Permission of instructor.

DEPARTMENT OF NURSING

Vincent P. Hall, head


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

Liberal Studies, 42 hours

The major requires 75 hours as follows:

BIOL 291 Human Anatomy and Physiology, 4 hours
BIOL 292 Human Anatomy and Physiology, 4 hours
CHEM 132 Introductory Chemistry, 4 hours or CHEM 140 Advanced General Chemistry, 4 hours
CHEM 133 Survey of Organic and Biochemistry, 4 hours
HSCC 260 Etiology of Infectious Diseases, 3 hours
NSG 340 Basic Nursing Skills, 3 hours
NSG 341 Nursing Pharmacotherapeutics I, 2 hours
NSG 342 Nursing Pharmacotherapeutics II, 1 hour
NSG 350 Dimensions of Professional Nursing, 2 hours
NSG 353, 355, 466, 467 Nursing Science I, II, III, IV, 19 hours
NSG 383, 385, 486, 487 Clinical Practicum I, II, III, IV, 15 hours
NSG 460 Nursing Leadership and Management, 3 hours
NSG 470 Nursing Research, 3 hours
NSG 475 Perspectives of the Nursing Profession, 2 hours
ND 338 Normal and Therapeutic Nutrition, 3 hours
PSY 150 General Psychology, 3 hours (or approved substitute)

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

CURRICULUM GUIDE FOR NURSING, (B.S.N.) BASIC OPTION

FRESHMAN YEAR

<table>
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<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>Hrs.</th>
<th>SPRING SEMESTER</th>
<th>Course and Number</th>
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<tr>
<td>CHEM 132 Intro. Chemistry</td>
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<td>CHEM* 133 Survey or Organic and Biochemistry</td>
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<td>ENGL101 Composition I</td>
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<td>ENGL** 102 Composition II</td>
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<td>MATH 101 Math. Concepts</td>
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<td>P 1 Social Sciences</td>
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<tr>
<td>190 seriesFirst Year Seminar</td>
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<td>P 3 History</td>
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<td>HEAL or HSCC 123/101 Wellness</td>
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Please Note: CHEM 132 meets one C5 requirement; however, 3 hours of additional credit must be met through other liberal studies or elective courses to have the total number of hours needed to graduate. *Pre-requisite- CHEM 132**Pre-requisite- ENGL 101

SOPHOMORE YEAR

<table>
<thead>
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<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>Hrs.</th>
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<tr>
<td>BIOL* 291 Human Anat. &amp; Phys.</td>
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<td>BIOL*292 Human Anat. &amp; Phys.</td>
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<td>PSY 150 General Psychology</td>
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<td>HSCC 260 Etiology of Inf. Diseases</td>
<td>3</td>
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<td>P4 Humanities</td>
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<td>P 1 Social Sciences</td>
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<td>General Electives</td>
<td>6</td>
<td>P 5 Fine &amp; Performing Arts</td>
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<td>P 6 World Cultures</td>
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<td>NSG 340 Basic Nursing Skills</td>
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*Pre-requisite- completion of 24 semester hours. Please Note: BIOL 291 meets one C5 requirement and PSY 150 meets one P1 requirement however, 6 hours of additional credit must be met through other liberal studies or elective courses to have the total number of hours needed to graduate.

IMPORTANT: CHEM 132 and 133, BIOL 291 and 292, PSY 150, and HSCC 260 are requirements for the upper-division nursing major and must be completed with a grade of C or better prior to admission to the major. In addition, all students must have at least 60 semester hours of credit, 72 preferred, before admission to the major. Except for the upper-level Perspectives course, students should complete Liberal Studies requirements before the junior year.
### JUNIOR YEAR

#### FALL SEMESTER

<table>
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<tr>
<th>Course and Number</th>
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<tr>
<td>NSG 350 Dimen of Prof Nsg</td>
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<td>NSG 341 Nsg. Pharmacotherap. I</td>
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<td>NSG 353 Nursing Science I</td>
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<td>NSG 383 Clinical Practicum I</td>
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<td>NSG 342 Pharmacotherapeutics II</td>
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<tr>
<td>NSG 355 Nursing Science II</td>
<td>4</td>
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<tr>
<td>NSG 385 Clinical Practicum II</td>
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<td>ND* 338 Normal &amp; Therap. Nut.</td>
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</table>

*Pre-requisite- BIOL 292 & CHEM 133** One course is required in any liberal studies perspective category outside of the major (300-400 level). Please Note: All junior year nursing courses must be completed in sequence as listed above. After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

#### SPRING SEMESTER

<table>
<thead>
<tr>
<th>Course and Number</th>
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<tbody>
<tr>
<td>NSG 355 Nursing Science II</td>
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<tr>
<td>NSG 385 Clinical Practicum II</td>
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### SENIOR YEAR

#### FALL SEMESTER

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<thead>
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<tr>
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<tr>
<td>NSG* 466 Nursing Science III</td>
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<td>NSG* 486 Clinical Practicum III</td>
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<thead>
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<tr>
<td>NSG 475 Persp. of the Nsg Prof</td>
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<tr>
<td>NSG* 460 Nursing Leader. &amp; Mgt.</td>
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<tr>
<td>NSG* 467 Nursing Science IV</td>
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<td>NSG* 487 Clinical Practicum IV</td>
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*These courses may also be taken as a cluster the opposite semester in the senior year. Pre-requisites for Nsg 460, 466, 486, 467, and 487: Nsg 355 and 385. Pre-requisites for Nsg 470 and 475: Permission of Instructor Nsg 466 and 486, as well as Nsg 467 and 487 serve as co-requisites for each other.

#### SPRING SEMESTER

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<tr>
<td>NSG 460 Nursing Leadership and Management</td>
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<td>NSG 470 Nursing Research</td>
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<tr>
<td>NSG 475 Perspectives of the Nursing Profession</td>
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<td>NSG 483 Practicum in Clinical Management</td>
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<tr>
<td>PSY 150 General Psychology</td>
<td>3 hours (or approved substitute)</td>
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### CAPSTONE CURRICULUM OPTION (FOR REGISTERED NURSES)

**Liberal Studies, 42 hours**

The major requires 75 hours as follows:

- BIOL 291 Human Anatomy and Physiology, 4 hours
- BIOL 292 Human Anatomy and Physiology, 4 hours
- CHEM 132 Introductory Chemistry, 4 hours or CHEM 140 Advanced General Chemistry, 4 hours
- CHEM 133 Survey of Organic and Biochemistry, 4 hours
- HSCC 260 Etiology of Infectious Diseases, 3 hours
- NSG 301 Transition to Professional Nursing, 3 hours
- NSG 302 Health Promotion in the Community, 3 hours
- NSG 384 Practicum in Community Health Nursing, 3 hours
- NSG 399 Seminar: Professional Nursing Knowledge and Skills, 2 hours
  - Credit by exam, 31 hours (in lieu of NSG 340, 341, 342, and 466, ND 338, and portions of NSG 353, 355, 383, 385, 467, and 486)
- NSG 460 Nursing Leadership and Management, 3 hours
- NSG 470 Nursing Research, 3 hours
- NSG 475 Perspectives of the Nursing Profession, 2 hours
- NSG 483 Practicum in Clinical Management, 3 hours
- PSY 150 General Psychology, 3 hours (or approved substitute)

**General electives (11 hours) are required to complete the program.**
CURRICULUM GUIDE FOR CAPSTONE CURRICULUM OPTION
(CAPSTONE R.N. TO B.S.N. TRACK)

FRESHMAN-JUNIOR YEARS

**FALL SEMESTER**
Course and Number | Hrs. | **SPRING SEMESTER**
Course and Number | Hrs.

Semesters 1 through 6 may be taken at a convenient NC Community College (NCCC) and involve completing:

1) The Associate of Applied Science in Nursing,
2) Other work to meet the NCCC 44-hour General Education Core, and
3) The courses required for admission to the Capstone track.

- Human Anatomy & Physiology (BIOL 165/166 or BIOL 168/169)
- Microbiology (BIOL 175 or BIOL 176)
- General/inorganic Chemistry (CHEM 130/130A, CHEM 131/131A, CHEM 136, CHEM 151, or CHEM 152)
- Organic/biochemistry (CHEM 132)
- General Psychology (PSY 150)

NCCC transfer hours should total 65 semester hours, not including Nursing courses.

SENIOR YEAR

**FALL SEMESTER**
Course and Number | Hrs. | **SPRING SEMESTER**
Course and Number | Hrs.

- 2NSG 301 Prof. Trans. in Nursing | 3 |
- 3NSG 302 Health Prom. in the Community | 3 |
- 4NSG 384 Pract. in Community | 3 |
- 5NSG 399 Professional Nursing | 2 |
- Electives | 5 |

On successful completion of NSG 399, 31 hours of credit by exam are granted in lieu of NSG 340 and 466, HSCC 338, and portions of NSG 353, 355, 383, 385, 467, and 486.

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

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

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

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

**NURSING (NSG)**

**301 Professional Transitions in Nursing (3)**
The development of the profession and of professional nurse roles and the processes through which they are conducted. **PREQ:** Admission to the nursing sequence.

**302 Health Promotion in the Community (3)**
Families as recipients of nursing care; wellness and promotion of health for individuals, families, and other groups in the community. **PREQ:** 301 or permission of instructor.

**303 Spiritual Dimensions of Nursing (3)**
Meaning of spirituality from multiple perspectives and historical relationships with nursing explored.

**304 Stress Management and Health for the Caregiver (3)**
Designed for health professionals, students in health professions and other caregivers to learn stress management and self-care.

**340 Basic Nursing Skills (3)**
Psychomotor nursing skills, scientific principles and nursing procedures essential to the assessment and care of patients. **PREQ:** Permission of instructor. 2 Lecture, 3 Lab.

**341 Nursing Pharmacotherapeutics I (2)**
Nursing responsibility for pharmacotherapeutic management with emphasis on study of prototype drugs in each of the major drug classifications. **PREQ:** Admission to the nursing sequence.

**342 Nursing Pharmacotherapeutics II (1)**
Core drug knowledge and client variables are applied to nursing management of drug therapy. **PREQ:** 341. **COREQ:** 355 and 385.

**350 Dimensions of Professional Nursing (2)**
The development of the profession and of professional nurse roles. **PREQ:** Admission to nursing major. 1 Lecture, 1 Seminar.

**353 Nursing Science I (5)**
Fundamental nursing processes and concepts; emphasis on health of clients across the lifespan. **PREQ:** Admission to the nursing sequence. **COREQ:** 383. 4 Lecture, 1 Seminar.

**355 Nursing Science II (4)**
Concepts of healthcare, health promotion, illness care, and nursing roles in community health and adult health inpatient settings are presented. **PREQ:** 340, 341, 353, 383. **COREQ:** 385.

**360 Health Care of Women (2)**
Review of women’s health care, the functions of women’s bodies, and personal responsibility for health.

**383 Clinical Practicum I (1-4)**
Application of psychomotor skills, interpersonal and nursing processes to the care of individuals; emphasis on the nursing role in health maintenance. **PREQ:** Junior standing. **S/U grading.** **COREQ:** 353. 3-12 Lab.

**384 Practicum in Community Health Nursing (3)**
Application of wellness concepts and health promotion in the nursing care of families and other groups in community settings. **S/U grading.** **PREQ:** 302 and 399 or permission of instructor. 9 Lab.

**385 Clinical Practicum II (4)**
Care of ill individuals and families in acute care and a variety of community settings; nursing role in preventing and treating illness emphasized. **S/U grading.** **PREQ:** 383. **COREQ:** 355. 12 Lab.
389 Cooperative Education in Nursing (1 or 3, R15)
PREQ: 355. See Cooperative Education Program.

393 Topics in Nursing (1-4, R12)
PREQ: Permission of instructor.

399 Seminar: Professional Nursing Knowledge and Skills (2)
Registered nurse students demonstrate or provide documentary evidence of satisfactory level of competence in basic professional nursing knowledge and skills. S/U grading. PREQ: Permission of instructor.

405 Gerontological Nursing (1-3)
The aging process, health assessment, and promotion in the aged; identification of frequent alternations in health and appropriate nursing interventions. PREQ: Permission of instructor.

460 Nursing Leadership and Management (1-3)
Leadership theory in the management of clients, peers, and other healthcare providers in nursing service settings. PREQ: 355, 385 or permission of instructor. 1-2 Lecture, 1 Seminar.

466 Nursing Science III (5)
Application of the nursing process for complex client models, including the childbearing family, the hospitalized child and family, and the mentally ill client. PREQ: 355, 385. COREQ: 486.

467 Nursing Science IV (5)

470 Nursing Research (3)
Research design in the study of nursing problems; interpretation of research emphasized. PREQ: Permission of instructor.

475 Perspectives of the Nursing Profession (2)
The impact and implications of current and evolving trends on the future practice of nursing. PREQ: Permission of instructor. 1 Lecture, 1 Seminar.

478 Intermediate Physical Assessment (4)
Focus on developing assessment skills for conducting a health status examination on the adult client. PREQ: Registered nurse or senior nursing student.

480 Independent Study (1-3, R6)
PREQ: Permission of instructor. S/U Grading.

482 Readings in Nursing (3)
PREQ: Permission of instructor.

483 Practicum in Clinical Management (3)
Application of management principles in the care of clients with complex health problems. S/U grading. COREQ: 460 or permission of instructor. 9 Lab.

486 Clinical Practicum III (4)

487 Clinical Practicum IV (4)
Application of wellness-illness concepts, nursing and other processes, and nursing skills with individuals and multiproblem families in complex healthcare agencies; experience in the managerial role of the nurse. S/U grading. PREQ: 355, 385. COREQ: 467. 12 Lab.

Graduate Courses
601 Advanced Practice Nursing: Roles and Professional Issues (2) 673 FNP II: Reproductive Health and the Child-bearing Family (3)
610 Theory for Advanced Practice Nursing (2) 674 FNP III: Primary Care of Children and Adolescents (3)
611 Research for Advanced Practice Nursing (3)
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<td>616</td>
<td>Economics and Organization of Health Care (2)</td>
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<td>617</td>
<td>Pathophysiology for the Adv. Practice Nurse (3)</td>
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<tr>
<td>622</td>
<td>Advanced Pharmacology (4)</td>
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<tr>
<td>623</td>
<td>Advanced Health/Physical Assessment (3)</td>
</tr>
<tr>
<td>624</td>
<td>Family Health Prom. in the Rural Community (2)</td>
</tr>
<tr>
<td>625</td>
<td>Clinical Management I (1)</td>
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<tr>
<td>627</td>
<td>Advanced Practice Nursing: Diagnostics and Procedures (2)</td>
</tr>
<tr>
<td>651</td>
<td>Teaching/Learning in Nursing Education (3)</td>
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<tr>
<td>652</td>
<td>Curriculum Development (3)</td>
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<tr>
<td>660</td>
<td>Psychosocial and Spiritual Issues in Chronic Illness (3)</td>
</tr>
<tr>
<td>671</td>
<td>Social and Behavioral Health Problems (2)</td>
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<tr>
<td>675</td>
<td>FNP IV: Primary Care of Adults and Elderly Adults and Selected Chronic Health Problems Across the Lifespan (3)</td>
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<td>679</td>
<td>Research Project (1-2, R6)</td>
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<td>Independent Study (1-3, R6)</td>
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<td>683</td>
<td>FNP II: Clinical Management (2)</td>
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<td>685</td>
<td>FNP IV: Clinical Management (3)</td>
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<tr>
<td>686</td>
<td>FNP V: Primary Care Clinical Practicum (4)</td>
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<td>687</td>
<td>Practicum in Nursing Education (3)</td>
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<td>693</td>
<td>Topics in Nursing (1-4, R12)</td>
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<tr>
<td>699</td>
<td>Thesis (1-3, R6)</td>
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**Physical Therapy (PT)**

**190 Caring for the Aging Population: Challenges and Solutions (3)**
Investigate issues related to aging and health, including longevity, age-related changes in healthy older people, living arrangements, caregiving, programs for healthier aging, nutrition, financial concerns.

**400 Complimentary and Integrative Therapies (3)**
Broad overview of the history, development, terminology, research and implementation of complimentary and integrative therapies. (P1)

**Graduate Courses**

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<th>Course Code</th>
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<tbody>
<tr>
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<td>Human Anatomy I (3)</td>
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<td>Scientific Inquiry III (1-3)</td>
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<td>Management and Supervision (3)</td>
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<td>Neuroscience (2)</td>
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<td>665</td>
<td>Physical Care and Management of Students with Severe/Profound Disabilities (3)</td>
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<td>680</td>
<td>Directed Independent Study (1-3, R9)</td>
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<td>Experiential Professional Activities</td>
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<td>684</td>
<td>I and II (2, 2)</td>
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<td>693</td>
<td>Topics in Physical Therapy (1-3, R9)</td>
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<td>Program Assessment (1)</td>
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<td>779</td>
<td>Continuing Research—Non-Thesis Option (1, R10)</td>
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<td>783</td>
<td>Experiential Professional Activities</td>
</tr>
<tr>
<td>784</td>
<td>III and IV (3, 10)</td>
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</table>
COLLEGE OF ARTS AND SCIENCES

Robert A. Vartabedian, dean
David J. Butcher, associate dean

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

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

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

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

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

DEPARTMENT OF ANTHROPOLOGY AND SOCIOLOGY

John A. Williams, acting department head

MAJOR IN ANTHROPOLOGY, B.A. DEGREE

Liberal Studies, 42 hours

The major requires 42 hours as follows:

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

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

To complete the program, 36 hours are required, including a second major, minor, or other approved program. Students must take at least 32 hours at the junior-senior level at WCU to satisfy general degree requirements.
CURRICULUM GUIDE FOR ANTHROPOLOGY, B.A. DEGREE

FRESHMAN YEAR

<table>
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<td>ENGL 102 Composition II</td>
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<tr>
<td>HEAL or HSCC 123/101 Wellness</td>
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<td>C2 Math</td>
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<td>C5 Physical &amp; Biological Sciences</td>
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<td>190 Series First Year Seminar</td>
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<td>P4 Humanities</td>
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SOPHOMORE YEAR

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<td>CMHC 201 Communication</td>
<td>3</td>
<td>P6 World Cultures</td>
<td>3</td>
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<td>P5 Fine &amp; Performing Arts</td>
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<td>Minor/ Approved Program</td>
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<tr>
<td>P3 History</td>
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<td>MFL 102</td>
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JUNIOR YEAR

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<td>P1-P6 Jr-Sr Perspective</td>
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<td>MFL 232 Intermediate II</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

SENIOR YEAR

<table>
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<td>ANTH Elective</td>
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<tr>
<td>Minor/Approved Program</td>
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<tr>
<td>General Elective</td>
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<td>General Elective</td>
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<td><strong>Total</strong></td>
<td><strong>15</strong></td>
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</tbody>
</table>

Total Hours for Degree: **120**
Total Hours of Pre-requisites: **ANTH 250 & ANTH 260**

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

MAJOR IN ANTHROPOLOGY, B.S. DEGREE

All the requirements for the degree are the same as those listed previously for the bachelor of arts degree, except that a foreign language is not required and electives are increased by 6 hours.
Minor in Anthropology
The minor requires 21 hours, including ANTH 250, 260, and 15 hours of junior-senior level anthropology courses.

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

CURRICULUM GUIDE FOR ANTHROPOLOGY, B.S. DEGREE

FRESHMAN YEAR

<table>
<thead>
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<th>Hrs.</th>
<th>SPRING SEMESTER</th>
<th>Hrs.</th>
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<td>ENGL 102 Composition II</td>
<td>3</td>
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SOPHOMORE YEAR

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JUNIOR YEAR

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

SENIOR YEAR

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Total Hours for Degree: ___120___
Total Hours of Pre-requisites: _ANTH 250 & ANTH 260_

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

MAJOR IN ANTHROPOLOGY, B.S. DEGREE

Forensic Anthropology Concentration

Liberal Studies, 42 hours

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

**Core: 9 hours**
ANTH 250 Archaeology and Bioanthropology, 3 hours
ANTH 260 Cultural and Social Anthropology, 3 hours
ANTH 341 History of Anthropological Theory, 3 hours

**Concentration: 12 hours**
ANTH 251 Introduction to Forensic Anthropology, 3 hours
ANTH 364 Human Osteology, 3 hours
ANTH 400 Advanced Topics in Human Osteology, 3 hours
ANTH 401 Osteopathology, 3 hours

**Electives: (21 hours) selected from junior and senior level anthropology courses.**

To complete the program, 36 hours are required, including a second major, minor, or other approved program. Students must take at least 32 hours at the junior-senior level at WCU to satisfy general degree requirements.

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

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**Total Hours for Degree: 120**

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**Course Descriptions**

**Anthropology (ANTH)**

110 Origins of Civilization (3)
Survey of human and cultural development from the earliest hominids to the advent of ancient civilizations. (P1)

120 Comparative Cultural Systems (3)
Analysis and comparison of the major features of diverse human cultures. (P6)

190 Freshman Seminar: The Human Condition (3)
Examination of various aspects of human cultural behavior. 3 Seminar.

250 Archaeology and Bioanthropology (3)
Evolutionary theory, human genetics, primatology, fossil humans, and early civilizations.

251 Introduction to Forensic Anthropology (3)
A survey of the forensic applications of the human skeleton and related aspects of death investigation.

260 Cultural and Social Anthropology (3)
Survey and comparison of social, political, economic, religious, and artistic achievements to provide understanding of cultural diversity.
327 Economy and Society (3)
Types of economic systems examined and compared; emphasis on preindustrial and industrializing societies. PREQ: 260.

341 History of Anthropological Theory (3)
Concepts, theories, and schools of thought in historical context; contributions to contemporary anthropology. PREQ: 250, 260.

349 Applied Anthropology (3)
Examination of problems and solutions in programs of directed social and cultural change; case studies. PREQ: 260.

351 Environmental Anthropology (3)
Relationships between physical environment and culture; nonphysiological means of environmental adaptation. PREQ: 250, 260, or SOC 103.

361 World Prehistory (3)
Examination of prehistoric cultural developments and the advent of modern civilization in major world areas.

363 Human Origins (3)
Examination of the human, hominid, and primate fossil record. PREQ: 250 or permission of instructor.

364 Human Osteology (3)
An examination of the human skeleton focusing on bone anatomy and fundamental analytical methods.

365 Religion, Magic, Myth (3)
Nonliterate religious tradition and ritual behavior; life-crisis rituals, secret societies, magic and witchcraft, notions of divinity. PREQ: 260.

379 (ART 379) Cherokee Arts and Crafts (3)
Present-day Cherokee skills of woodcarving, basketry, pottery making, and other arts 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 103.

389 Cooperative Education in Anthropology (1 or 3, R15) See Cooperative Education Program.

400 Advanced Topics in Human Osteology (3)
An in-depth examination of the analytical and theoretical aspects of human osteology with an emphasis on forensic applications. S/U grading. PREQ: 364 or permission of instructor.

401 Osteopathology (3)
A study of bony evidences of disease in prehistory and in forensic applications. PREQ: 251 or 364 or permission of instructor.

414 (SOC 414) Minority Groups (3)
Relations between dominant and subordinate races and ethnic groups; historical and comparative aspects; African Americans, Chicanos, and Indians. PREQ: SOC 103 and SOC 245; or ANTH 260; or permission of instructor.

417 Southern Appalachian Culture (3)
Stability and change in the sociocultural institutions of the region. PREQ: 260 or SOC 103.

419 Comparative Family (3)
The family as a social institution in various cultures. PREQ: 260 or SOC 103.

431 North American Prehistory (3)
Cultural history of the peoples of prehistoric North America, including Mexico. PREQ: 250.
440 Archaeological Field Techniques (6)
Basics of field work; surveying, photography, excavation, recording, and preservation techniques. PREQ: Permission of instructor.

441 Archaeological Problems and Analyses (3)
Experience in collecting and analyzing relevant archaeological data. PREQ: Permission of instructor.

461 Indians of North America (3)
Traditional and changing life styles of native North Americans; environmental adaptations, social organizations, religions, and arts. PREQ: 260.

465 Cultures of Latin America (3)
Cultural and historical perspectives on the political relations, social structures, and religions of the indigenous peoples of the region. PREQ: 260.

466 Folklore (3)
Major forms, theories, and functions of lore among the world's cultures; collection, classification, and analysis of folklore. PREQ: 260 or permission of instructor.

473 Contemporary Cherokee Culture and Society (3)
Present-day Cherokee culture and society; effects of tourism and the reservation system on life styles. PREQ: 260.

477 Cultures of sub-Saharan Africa (3)
Cultural diversity and development in sub-Saharan Africa from earliest times to the present.

481 Independent Study in Anthropology (1-2, R6)
PREQ: Written application, approval of instructor and adviser.

483 Anthropology Internship (3, 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 sub-Saharan Africa (3)
581 Independent Study in Anthropology (1-2, R6)
593 Topics in Anthropology (3, R6)

MAJOR IN SOCIOLOGY, B.A. DEGREE

Liberal Studies, 42 hours

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

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

Electives (21 hours) to complete a sociology major selected from sophomore, junior, or senior level sociology courses.
To complete the degree, 39 hours are required, including a minor, second major, or other approved program. Students must take at least 30 hours at the junior-senior level at WCU to satisfy general university degree requirements.

**CURRICULUM GUIDE FOR SOCIOLOGY, B.A. DEGREE**

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Total Hours for Degree: **120**
Total Hours of Pre-requisites: **3**

Students may finish earlier if they attend summer school at WCU or another approved institution.
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 103 and 18 hours of sophomore, junior, or senior level sociology courses.

CURRICULUM GUIDE FOR SOCIOLOGY, B.S. DEGREE

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

SENIOR YEAR

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Total Hours for Degree:  120
Total Hours of Pre-requisites:  3

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

Course Descriptions

Sociology (SOC)

103 Human Society (3)
Analysis of human behavior in social and cultural contexts, emphasizing the sociological perspective. (P1)

190 Freshman Seminar: Social Institutions and Issues (3)
Exploration of various social institutions with a focus on the impact on human behavior using the seminar method of instruction. 3 Seminar.

235 Social Problems (3)
Problems of modern American society such as poverty, social conflict, corporate power and capitalism, alienation, and deviance.

240 Social Change (3)
Changes in human societies through cultural, economic, social, and political processes; introduction to development and social movements. PREQ: 103 or permission of instructor.

245 Social Inequality (3)
Social inequalities in wealth, income, prestige, and power; inequalities based on race, sex, and age. PREQ: 103 or permission of instructor.

248 Rural Society (3)
Application of sociological concepts to rural environments; characteristics of rural population, social structure, social institutions; social change, structure of agriculture, local government structure, and processes. PREQ: 103 or permission of instructor.

250 Deviant Social Behavior (3)
Causes and control of individual and group rebellion or retreat from prescribed social norms.

310 Demography (3)
Study of population characteristics, growth, and trends within a context of social, cultural, economic, and political systems. PREQ: 103 or permission of instructor.

316 Dynamics of Popular Culture (3)
This course presents an overview and analysis of popular culture. Emphasis is placed on the relationship of popular culture to economic, political, and cultural dynamics.

326 Gender Roles and Society (3)
Gender roles examined in a sociological context emphasizing the relationship between these roles and the pre-existing sexual stratification system. PREQ: 103 and 245, or permission of instructor.

342 The Individual in Society (3)
Individual behavior in social context; social interaction. PREQ: 103 or permission of instructor.

355 Criminology (3)
Nature, extent, and causes of criminal behavior; role of police, courts, and corrections; prevention and control programs. PREQ: 103 and 250, or permission of instructor.

360 Sociology of Conflict and Conflict Resolution (3)
Analysis of sociological theories of social conflict, including Marx, Weber, Simmel, Coser, Dahrendorf, and Collins; case studies of conflict and conflict resolution stressing the applications of theory and research. PREQ: 103 or permission of instructor.
365 Marriage and Family (3)
Sociological approach to institutions of marriage and family, including mate selection, child rearing, divorce, aging, family violence. PREQ: 103.

371 Society and the Environment (3)
Analysis of the interaction between society and the physical environment, including population, pollution, resource depletion, and the effects on and responses of different social groups. PREQ: 103 or permission of instructor.

380 (ANTH 380) Ethnographic Research Methods (3)
Theory and method; techniques of observation, description, interviewing, notetaking, and analyzing data; planning and completing a field study. PREQ: 103 or ANTH 260.

385 Methods of Social Research (3)
The logic of scientific inquiry; techniques of research used in sociology, including sample surveys. PREQ: 103 or permission of instructor.

386 Analysis of Social Data (3)
Methods for presentation and analysis of social scientific data; descriptive and inferential techniques; measures of association. PREQ: 385.

389 Cooperative Education in Sociology (1 or 3, R15)
PREQ: 103 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: 103 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: 103 and 245; or ANTH 260; or permission of instructor.

418 Women and Development (3)
A cross-cultural overview of the impact of modernization on women’s status and women’s roles in the development process. PREQ: 103 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: 103 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: 103 or permission of instructor.

432 Community Organization and Development (3)
Community organization viewed as a process of bringing about desirable changes in community life. Community structure, needs assessment, and planning for change. PREQ: 103 and 240, or permission of instructor.

434 Regional and Societal Development (3)
Social dimensions of economic growth and development with particular emphasis on Third World countries; alternative definitions of development, and changing national, regional, and institutional structures. PREQ: 103 and 240, or permission of instructor.
448 Social Movements (3)
Social movements and collective behavior; mass efforts to promote or resist social change; comparison of riots, reform movements, and revolutions. PREQ: 103 and 240, or permission of instructor.

455 Family Violence (3)
Sociological approach to family violence, including child, spouse, and elder abuse; legal and social responses to each. PREQ: 103.

456 Medical Sociology (3)
An overview of the major topics in medical sociology, including health and illness behavior, the social demography of health and health organizations.

480 Independent Study in Sociology (1-3, R6)
PREQ: 103 or permission of instructor.

483 Internship in Sociology (3, 3, 3)
484 Application of theory and knowledge to work experience in a cooperating agency.

485 S/U grading. 3 hours credit applicable to sociology major or minor. 9 hours per week per course. PREQ: 103 or permission of instructor.

494 Topics in Sociology (1-3, R9)
PREQ: Permission of instructor.

Graduate Courses
514 (ANTH 514) Minority Groups (3) 583 Internship in Sociology (3)
523 Sociology of Sport (3) 584 Internship in Sociology (3)
532 Community Organization and Development (3) 585 Internship in Sociology (3)
534 Regional and Societal Development (3) 594 Topics in Sociology (3, R9)
554 Sociology of Conflict and Conflict Resolution (3) 801 Rural Society (3)
580 Independent Study in Sociology (1-2, R6)

DEPARTMENT OF ART
Matthew Liddle, head

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

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

MAJOR IN ART, B.F.A. DEGREE

Liberal Studies, 42 hours

The major requires 69 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
PHIL 310 Philosophy of Art, 3 hours

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

Concentration (21-24 hours) selected from:

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

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

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

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

FRESHMAN YEAR

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SOPHOMORE YEAR

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JUNIOR YEAR

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### SUMMER SCHOOL I

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Total Hours for Degree: 128

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

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

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PS Fine & Performing Arts 3  C5 Physical & Biological Sciences 3
General Elective 6  P1 Social Sciences 3
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SUMMER I

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Course and Number  Hrs.  SPRING SEMESTER
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ART 389Co-op 3

SENIOR YEAR

FALL SEMESTER
Course and Number  Hrs.  SPRING SEMESTER
Course and Number  Hrs.
ART 416 Con Art Hist 3
P4 Humanities 3
P6 World Cultures 3
ART Concentration Elective 3
P3 Jr-Sr History 3
15

Total Hours for Degree: 128

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

MAJOR IN ART, B.A. DEGREE

Liberal Studies, 42 hours

The major requires 48 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
MFL 231, 232 or 240, 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 is required.

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

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

FRESHMAN YEAR

FALL SEMESTER
Course and Number  Hrs.  SPRING SEMESTER
Course and Number  Hrs.
ART 131 Intro Draw. 3  ART 142 3D Design 3
ART 132 2D Design 3  ART 141 Life Drawing 3
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Total Hours for Degree: 128

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

Liberal Studies, 42 hours

The major requires 58 hours as follows:

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

The professional education sequence (25 hours) for secondary and special subject teaching, exclusive of the methods course, and general electives (3 hours) are required to complete the program. To continue in the program, students must earn a grade of C (2.0) or better in each art course in the major.

Minor in Art

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

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

FRESHMAN YEAR

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SOPHOMORE YEAR

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<tbody>
<tr>
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<tr>
<td>P1 Social Sciences</td>
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<tr>
<td>C5 Physical &amp; Biological Sciences</td>
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<tr>
<td>EDCI 231 Intro Education</td>
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<tr>
<td>ART 142 3D Design</td>
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<td>ART 234 Intro Printmaking</td>
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<td>ART 263 Intro Art Ed</td>
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### SUMMER SCHOOL I AND II

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### JUNIOR YEAR

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<td>PSY 321 Educational Psychology</td>
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<td>ART 251 Intro Ceramics</td>
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<td>SPED 335 Teaching</td>
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<td>ART 270 Communication Design</td>
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<td>ART 372 Photography</td>
<td>3</td>
<td>ART 367 History &amp; Philosophy of Art</td>
<td>3</td>
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<tr>
<td>ART 365 Elementary Methods</td>
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<td>ART 463 Secondary Methods</td>
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After earning ninety hours, the student **must** file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

### SUMMER SCHOOL I AND II

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### SENIOR YEAR

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<td>ART 491 Student Teaching</td>
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<td>P6 World Culture</td>
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<td>EDSE 495 Seminar</td>
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Total Hours for Degree: **128**

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

### Course Descriptions

**ART (ART)**

103 **Art in Society (3)**
Examination of recurring visual forms in historic context as expressions of cultural values and aspirations.

104 **Introduction to the Visual Arts (3)**
An analysis of artists and their works, forms and methods of visual expression, and examination of critical thinking as applied to visual form and content. *(P5)*

120 **Beginning Drawing and Sketching (I)**
Experiments with a variety of drawing materials to familiarize the nonmajor with various approaches. 2 Lab.
124 **Beginning Ceramics (1)**
Introduction to clay forming, firing, and glazing techniques for nonmajors. 2 Studio.

125 **Introduction to Calligraphy (1)**
Basic calligraphy for nonmajors as appreciation of letter forms in visual elements. 2 Studio.

131 **Introductory Drawing (3)**
Foundation course emphasizing mark making as a way of seeing and organizing ideas, using both perceptual and conceptual approaches. Exit portfolio required. 6 Studio.

132 **Two-Dimensional Design (3)**
Foundation course developing creative 2-D visual thinking and problem solving with connections to theory, criticism and practice. Exit portfolio required. 6 Studio.

136 **Art History Survey I (3)**
Ancient, medieval, and non-European art.

137 **Art History Survey II (3)**
Western art, Renaissance through modern.

141 **Life Drawing (3, R6)**
Foundation course using life models as resources for developing visual thinking, drawing ability and essential hand/eye skills. Exit portfolio required. PREQ: 131. 6 Studio.

142 **Three-Dimensional Design (3)**
Foundation course focusing on traditional and experimental 3-D techniques and media, using theory and criticism as problem-solving approaches. Exit portfolio required. 6 Studio.

202 **Art of World Cultures (3)**
Traditional and contemporary art of the indigenous peoples of the Americas, Africa, and the Pacific Rim from a social, ethnological, environmental, and religious viewpoint. (P6)

233 **Introductory Painting (3)**
Emphasis on color theory and the materials and techniques of painting. Historical concerns are integral parts of directed and individual investigations. PREQ: 131, 132, or permission of instructor. 6 Studio.

234 **Introductory Printmaking (3)**
Materials and methods of various printmaking techniques as they relate to historical and contemporary issues. PREQ: 131, 132, or permission of instructor. 6 Studio.

241 **Introductory Sculpture (3)**
Principles and processes of sculpture, supported by critical thinking, class critique, historical, and contemporary references. PREQ: 131 and 142 or permission of instructor. 6 Studio.

251 **Introductory Ceramics (3)**
Basic principles of ceramics: technical, critical, and historical. 6 Studio.

263 **Introduction to Art Education (1)**
Introduction to current art education topics and approaches for teaching art in the traditional and nontraditional settings. 2 Studio. Spring only.

270 **Communication Design (3)**
Principles of visual communications including structure, typography, color and semantics; emphasis on developing an understanding of the scope of graphic design including theory, practice, and technology. PREQ: 132. 6 Studio.

306 **Renaissance Art (3)**
The Renaissance in Italy and northern Europe; major trends and personalities in art and architecture. PREQ: 137 or permission of instructor.

309 **Seventeenth-and Eighteenth-Century Art (3)**
Major baroque and rococo artists, architects, landscape, and urban designers in Europe. PREQ: 137 or permission of instructor.
312 Nineteenth-Century Painting (3)
Major figures and styles in European painting. PREQ: 137 or permission of instructor.

314 American Painting (3)
From colonial limners to contemporary art. PREQ: 137 or permission of instructor.

316 Development of Modern Art: Painting, Sculpture, and Architecture (3)
From Manet, Rodin, and Richardson to Post-Modernism in painting, sculpture, and architecture. PREQ: 137 or permission of instructor.

317 Origins of Modern Sculpture (3)
Academic sculpture in the nineteenth century: Modernist innovations from Rodin to David Smith. PREQ: 137 or permission of instructor.

319 History of Design (3)
Survey of the development of graphic design from prehistory through contemporary visual communications; topics include typography, photography, illustration, and current conceptual and art historical issues. PREQ: Permission of instructor.

320 Intermedia in Contemporary Culture (3)
Historical perspective of critical developments in visual media arts beginning with early twentieth century through the present. Examination of internet, broadcast, video, interactivity, and virtual media.

330 Intermediate Drawing (3, R12)
The history and functions of drawing; drawing as a method of developing ideas and as an end itself; relationship to other media. PREQ: 141. 6 Studio.

333 Intermediate Painting (3, R12)
Materials, techniques, and aesthetic issues of painting in contemporary and abstract modes with focus on personal interpretation and perception. PREQ: 233. 6 Studio.

334 Intermediate Printmaking (3, R12)
Exploration of various printmaking techniques with focus on personal interpretation and perception. PREQ: 234. 6 Studio.

342 Intermediate Sculpture (3, R12)
Materials, techniques, and aesthetic issues of sculpture in contemporary and abstract modes with focus on personal interpretation and perception. PREQ: 241. 6 Studio.

350 Fibers (3, R12)
Exploration of weaving techniques and structural forms in fibers combined with the history of weaving and the critical evaluation of projects. 6 Studio.

351 Intermediate Ceramics (3, R12)
Study of ceramics within a historical and contemporary context; emphasis on clay-forming techniques combined with class discussion and criticism. PREQ: 251. 6 Studio.

352 Jewelry and Metalsmithing (3, R12)
Basic principles of jewelry and metalsmithing; technical, critical, and historical. 6 Studio.

354 Glass (3, R12)
Basic techniques of glassblowing and flat glass. Conceptual, technical, critical, and historical issues will be emphasized. 6 Studio. PREQ: Permission of instructor.

359 Introductory Book Arts (3)
Principles and techniques for producing handmade books, including papermaking, bookbinding, and printing. Exploration of books as a format for developing concepts and imagery. 6 Studio.

363 Art for Children (1)
Fundamentals for designing and implementing lessons to teach art to children in all educational settings. Teaching diverse multicultural populations discussed. 4 Studio.
367 History and Philosophy of Art Education (3)
A study of art education as influenced by educational, philosophical, and socioanthropological developments throughout history.

370 Graphic Design Studio Procedures (3)
Equipment, materials, and procedures of 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, R12)
Emphasis on the exploration of abstract or figurative modes of painting and critical thinking within a contemporary context. PREQ: 333. 6 Studio.

434 Advanced Printmaking (3, R12)
Study of selected printing media through independent, self-directed projects under faculty supervision. PREQ: 334. 6 Studio.

440 Advanced Drawing (3, R12)
Perceptual and conceptual drawing design problems; emphasis on a drawing project augmented by discussion, readings, and critique. PREQ: 330. 6 Studio.

443 Advanced Sculpture (3, R12)
Emphasis on exploration of sculptural materials and critical thinking within a contemporary context. PREQ: 342. 6 Studio.

451 Advanced Ceramics (3, R12)
Emphasis on personal direction; critiques of current work; reading in history and criticism. PREQ: 351. 6 Studio.

459 Intermediate Book Arts (3, R12)
This course will explore a variety of possibilities for working with the book as an artist's medium. Students will investigate traditional bookbinding, nontraditional book formats, and a variety of image making techniques, including printmaking, while working towards an extended final project. PREQ: 234; 359. 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. Field experience required. 6 Studio. 
PREQ: 263, 365, EDSE 322, admission to the teacher education program.

465 Art Methods for the Elementary School (3)
Curriculum planning, exploration of age-appropriate art media, and methods for teaching art to diverse populations in the elementary school. Field experience required. PREQ: 263. 6 Studio.

470 Package Design (3)
Fundamentals of package design and construction; use of materials, methods, and graphic procedures; experimentation, investigation, and critical interpretation of two- and three-dimensional forms. PREQ: 370 or permission of instructor. 6 Studio.

471 Advanced Graphic Design (3)
Emphasis on personal exploration of materials and methods related to visual communications. PREQ: 371. 6 Studio.

472 Intermediate Photography (3, R12)
Emphasis on personal direction and advanced technical problems. PREQ: 372 or permission of instructor. 6 Studio.

474 Portfolio (3)
Professional preparation, including a portfolio of professional level work. A capstone course required of all senior BFA majors. PREQ: Permission of instructor. 6 Studio.

475 Intermediate Typography (3, R6)
Emphasis on personal directions and advanced technical problems applied to typographic expression. PREQ: 132, 370, 371, 374. 6 Studio.

476 Advanced Photography (3, R12)
Emphasis on personal interpretation and advanced technical solutions to guided projects. PREQ: 472 or permission of instructor. 6 Studio.

477 Tilemaking (3, R9)
Investigation of a wide range of concepts and techniques in the field of ceramic tile. 6 Studio. 
PREQ: 251.

479 Animation (3, R6)
Survey of animation techniques including object animation, character animation, experimental/video techniques, and motion graphics. Not intended as computer course but as instruction of related programs provided. PREQ: Permission of instructor.

480 Experimental Studio (3, R12)
Theoretical and conceptual issues and modes of making art relevant to the contemporary or post-studio artist. PREQ: Permission of instructor. 6 Studio.

482 Independent Study in Art History (1-6, R6)
PREQ: Submitted proposal must be approved by instructor.

483 Art Internship (3, 3, 3)
Directed work experience in a professional design studio. 
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.
491 Supervised Student Teaching in Art, K-12 (3)
A full-time supervised teaching experience in Art. COREQ: EDSE 490, 495.

493 Topics in Art (1-4, R12)
PREQ: Permission of instructor.

494 Art Honors Studio (3, R6)
Honors studio for seniors culminating in exhibition of a body of work demonstrating commitment to quality and productivity. 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 (1-9, R12) 635 Book Arts Studio (1-9, R15)
532 Design Problems (3, R6) 644 Sculpture Studio (1-9, R15)
533 Painting Problems (1-9, R12) 651 Ceramics Studio (1-9, R15)
534 Printmaking Problems (1-9, R12) 652 Metals Studio (1-9, R15)
535 Book Art Problems (1-9, R12) 653 Graduate Weaving (3, R9)
544 Sculpture Problems (1-9, R12) 661 Imaging and Digital Studio (1-9, R15)
551 Ceramics Problems (1-9, R12) 666 Photography Problems (3, R6)
553 Weaving Problems (3, R6) 667 Photography Studio (1-9, R15)
561 Imaging and Digital Problems (1-9, R12) 671 Integrated Media Studio (1-9, R15)
564 Art Education Problems (3, R6) 673 Community Service Projects (3)
571 Integrated Media Problems (1-9, R12) 674 Studio Critique (1-9, R15)
582 Independent Study in Art Issues (1-6) 675 Professional Preparation (3)
586 Exhibition Practicum (3) 680 Independent Study in Art Education (3, R6)
593 Topics in Studio Art (1-9, R12) 681 Graduate Problems in Studio Art (1-9, R15)
596 Art History Seminar (3) 682 Independent Study in Art Issues (1-6)
597 Contemporary Issues Seminar I (3) 696 Contemporary Issues Seminar II (3)
631 Drawing Studio (1-9, R15) 697 Seminar in Art Education (3, R6)
632 Design Studio (1-9, R15) 698 Contemporary Issues Seminar III (3)
633 Painting Studio (1-9, R15) 699 Thesis Exhibition (6)
634 Printmaking Studio (1-9, R15) 779 Continuing Research - Non-Thesis Option (1, R10)
779 Continuing Research - Thesis Option (2, R24)

ARTS AND SCIENCES INTERDISCIPLINARY PROGRAMS

Robert Vartabedian, dean

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

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

Minor in Cherokee Studies
The minor requires 21 hours, including HIST 445; CHER 101, 132; ANTH 461, 473; and 6 hours of electives selected from CHER 231, 232; ANTH/ART 379; and USI 394.
Minor in International Studies
The minor is open to juniors and seniors majoring in anthropology, economics, geography, history, foreign language, political science, or sociology. In addition to meeting the requirements for a major in one of the participating departments, the student must complete 21 hours, including PSC 331, 480, and 15 hours in approved electives in two or more areas outside the major field.

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

Minor in Race, Ethnic, and Gender Relations
The minor requires 24 hours, including SOC 103, 245, 326, 414, and 12 hours of core electives from SOC 360, 423, 448; ANTH 417, 473; HIST 442, 445, 446, 451, 463; PSY 333; and SOCW 402.

Minor in Social Change
The minor requires 24 hours, including SOC 103, 240 and 18 hours of core electives from SOC 360, 432, 434, 448; ANTH 349; HIST 435, 436; ECON 401, 406; GEOG 460; PSC 203, 316, 436; and SOCW 373.

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

Course Descriptions

ARTS AND SCIENCES INTERDISCIPLINARY (ASI)

100 Introduction to American Culture (3)
Survey of contemporary American culture: basic history, geography, cultural characteristics, and customs. PREQ: International student or permission of instructor. COREQ: ENGL 131 or permission of instructor.

230 Introduction to Women's Studies (3)
Introduction to a variety of disciplinary perspectives as they affect the status and roles of women in society.

250 Introduction to Appalachian Studies (3)
Interdisciplinary examination of Appalachia's culture, history, creative traditions, and natural environment to illuminate current issues. Field trips, projects, guest lectures. (P1)

293 Special Topics (1-4, R6)

300 University Forum for Contemporary Issues (1, R6)
Issues, problems, and developments of current interest presented by faculty and, occasionally, visiting scholars. S/NC grading.
393 Special Topics (3, R12)

450 Appalachian Studies Seminar (3)
Field-based, interdisciplinary capstone seminar of Appalachia's culture, history, creative traditions, and natural environment to illuminate current issues. Field trips, projects, guest lectures. PREQ: 250 and permission of instructor.

493 Topics in American Studies (3, R6)
Seminar on particular facets of American culture such as literature and art, philosophy and politics, and folklore and society.

494 Topics in Cherokee Studies (3, R6)
Various topics in Cherokee studies such as anthropology, history, sociology, and literature. Juniors will not be allowed to enroll in this course. PREQ: Permission of instructor.

Graduate Courses
593 Topics in American Studies (3, R6)
594 Topics in Cherokee Studies (3, R6)

MAJOR IN ENVIRONMENTAL SCIENCES, B.S. DEGREE

Liberal Studies, 42 hours

The major requires 60 hours as follows:

Foundations in Environmental Science

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

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

Environmental Health: choose one from the following list:
   ENVH 375 Environmental Toxicology, 3 hours
   ENVH 470 Principles of Epidemiology, 3 hours
   ENVH 440 Air Quality Control, 4 hours
   ENVH 310 Water Quality Control, 4 hours

Environmental Policy: choose one from the following list:
   ENVH 458 Environmental Regulation and Law, 3 hours
   NRM 442 Natural Resources Policy and Administration, 3 hours
   ECON 310 Natural Resource Economics, 3 hours

Environment and Society: choose one from the following list:
   SOC 371 Society and the Environment, 3 hours
   PHIL 330 America's Wilderness Ethics and Aesthetics, 3 hours
   GEOG 402 Conservation of Natural Resources, 3 hours
   PHIL 333 Environmental Ethics, 3 hours or
   ANTH 351 Environmental Anthropology, 3 hours
Advanced Study in the Environmental Sciences.

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

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

B. Advanced Environmental Sciences
   i. Field & Natural Environmental Science: choose one from the following list:
      - GEOL 305 Soils and Hydrology, 4 hours
      - GEOL 405 Hydrogeology, 4 hours
      - BIOL 434 Terrestrial Ecology, 4 hours
      - BIOL 435 Aquatic Ecology, 4 hours
   ii. Analytical/Instrumentation: choose one from the following list:
       - CHEM 330 Aquatic Chemistry, 2-3 hours
       - CHEM 370 Instrumental Analysis I, 3 hours
       - CHEM 432 Instrumental Analysis II, 3 hours
       - CHEM 461 Environmental Chemistry, 3 hours

C. Electives – choose 18-19 hours of upper level courses from the list below, or course(s) in consultation with your advisor. Courses may not duplicate other degree requirements.

   - BIOL 304 General Ecology, 3 hours
   - BIOL 434 Terrestrial Ecology, 4 hours
   - BIOL 435 Aquatic Ecology, 4 hours
   - BIOL 467 Biostatistics, 3 hours
   - BIOL 473 Microbial Ecology, 4 hours
   - BIOL 476 Contemporary Fisheries, 3 hours
   - CHEM 330 Aquatic Chemistry, 2-3 hours
   - CHEM 370 Instrumental Analysis I, 3 hours
   - CHEM 432 Instrumental Analysis II, 3 hours
   - CHEM 461 Environmental Chemistry, 3 hours
   - CHEM 470 Advanced Instrumental Analysis Laboratory, 1 hour
   - ENVH 375 Environmental Toxicology, 3 hours
   - ENVH 440 Air Quality Control, 4 hours
   - ENVH 470 Principles of Epidemiology, 3 hours
   - ENVH 310 Water Quality Control, 3 hours
   - ENVH 312 Solid and Hazardous Waste, 3 hours
   - ENVH 457 Industrial Hygiene, 3 hours
   - GEOL 305 Soils and Hydrology, 4 hours
   - GEOL 405 Hydrogeology, 4 hours
   - GEOL 455 Wetlands, 3 hours
   - GEOL 410 Fluvial Geomorphology, 3 hours
   - GEOL 423 Assessment, Remediation, and Restoration of Contaminated Rivers, 3 hours
   - NRM 351 Forest Ecology, 3 hours
   - NRM 471 Landscape Ecology, 4 hours
   - NRM 472 Ecosystem Structure and Analysis, 4 hours
MATH 270 Statistical Methods I, 3 hours  
MATH 370 Probability and Statistics I, 3 hours  
MATH 375 Statistical Methods II, 3 hours

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

CURRICULUM GUIDE FOR ENVIRONMENTAL SCIENCES, B.S. DEGREE

FRESHMAN YEAR

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SOPHOMORE YEAR

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<td>C4 Wellness</td>
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<td>CHEM 140 General Chemistry</td>
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<td>GEOG Geographic Info. Systems</td>
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<td>Environmental Policy Foundations</td>
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SENIOR YEAR

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Total Hours for Degree: 128

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

ENVIRONMENTAL SCIENCES (ES)

101 Careers and Issues in Environmental Science (1)
Topical issues, career opportunities, and degree options in the environmental sciences at WCU. Students will produce a personal/professional development plan as one of the requirements.

150 Introduction and Approaches to Environmental Science (4)
An introduction for students majoring in environmental science. An overview of environmental science and current issues and approaches to studying environmental problems. 3 Lecture, 3 Lab.

495 Senior Research Seminar in Environmental Science (3)
Capstone course for environmental science majors. Students will bring together the principles learned through various coursework in the program and conduct a group research project.

DEPARTMENT OF BIOLOGY
Malcolm Powell, head


MAJOR IN BIOLOGY, B.S. DEGREE

Liberal Studies, 42 hours

The major requires 22 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 140 Advanced General Chemistry, 4 hours

Emphasis area (36-44 hours) selected from one of the following:

Business, 42 hours: FIN 305; ACCT 161; ECON 231, 232; MGT 300; MKT 301; PHYS 130, 131; MATH 130, 170; and 10 hours of junior-senior biology electives.

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

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

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

General electives (20-28 hours), are required to complete the program. Recommended electives include CIS 251 and BIOL 389 with the horticulture emphasis; GEOL 305 with the environmental health emphasis; and CIS 251 with the business emphasis.
At least 32 hours of the courses taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.

**CURRICULUM GUIDE FOR BIOLOGY (BUSINESS CONCENTRATION), B.S. DEGREE**

**FRESHMAN YEAR**

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<tr>
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**SOPHOMORE YEAR**

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**JUNIOR YEAR**

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Total Hours for Degree: 128

Students may finish earlier if they attend summer school at WCU or another approved institution. **Remember:** 32 hours of 300-400 level courses must be taken at WCU.
# CURRICULUM GUIDE FOR BIOLOGY (ENVIRONMENTAL HEALTH CONCENTRATION), B.S. DEGREE

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## SOPHOMORE YEAR

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<td>ENVH230 Intro Envir. Health Science</td>
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<td>ENVH310 Water Quality Control</td>
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<td>ENVH 330 Food Protection &amp; San.</td>
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<td>ENVH320 Institutional/Res. Env.</td>
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<td>ENVH440 Air Quality Control</td>
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## SUMMER SCHOOL I

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<td>BIOL 414 Methods of Microbio.</td>
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Total Hours for Degree: 128
CURRICULUM GUIDE FOR BIOLOGY (HORTICULTURE CONCENTRATION, B.S. DEGREE)

FRESHMAN YEAR

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SOPHOMORE YEAR

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**Total Hours for Degree:** 128

Students may finish earlier if they attend summer school at WCU or another approved institution. **Remember:** 32 hours of 300-400 level courses must be taken at WCU.
MAJOR IN SCIENCE EDUCATION (CONCENTRATION IN BIOLOGY), B.S.ED. DEGREE

Liberal Studies, 42 hours

The major requires 56 hours as follows:

140, 141 Principles of Biology I, II, 8 hours
304 General Ecology, 3 hours
305 Genetics and Evolution, 3 hours
333 Cell and Molecular Biology, 3 hours
496 Senior Seminar, 1 hour
CHEM 133, 140 Chemistry, 8 hours
GEOL 150, 155 Geology, 8 hours
MATH 130 College Algebra, 3 hours
MATH 140 Introductory Calculus, 5 hours
PHYS 130, 131 Introductory Physics, 8 hours

Biology electives (6 hours) at the junior-senior level

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

Minor in Biology

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

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

FRESHMAN YEAR

<table>
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<td>CMHC 201 Communication</td>
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<td>MATH 130 College Algebra</td>
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<td>P3 History</td>
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<td>CHEM 133 Survey Org./Biochem</td>
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SOPHOMORE YEAR

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<td>PHYS 130 Introductory Physics I</td>
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<td>GEOL 150 Methods in Geology</td>
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<td>GEOL 155 Historical Geology</td>
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<td>CHEM 140 Adv. General Chemistry</td>
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|                               | 17   |
JUNIOR YEAR

FALL SEMESTER

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<td>MATH 140 Introductory Calculus</td>
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<td>EDCI 231* Curricular Instruction</td>
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<td>P1 Social Sciences</td>
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<td>P6 Jr-Sr World Cultures</td>
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SPRING SEMESTER

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<tr>
<td>BIOL 333 Cell &amp; Molecular Biology</td>
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<td>SPED 335 Teaching Special Children</td>
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<td>EDSE 322 Principles and Methods</td>
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<td>PSY 320 or 322 Child/Adolescent Dev.</td>
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<td>General Electives</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

* EDCI 231 may be taken in the Sophomore or Junior years. There is some flexibility in terms of the sequence of professional courses after the initial EDCI 231 course is taken.

SENIOR YEAR

FALL SEMESTER

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<td>PSY 321 Educational Psychology</td>
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<td>SCI 422 Science Methods</td>
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<td>BIOL 496 Senior Seminar</td>
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SPRING SEMESTER

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<tr>
<td>EDSE 490 Supervised Stud. Teaching</td>
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<td>SCI 491 Supervised Student Teaching</td>
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<td>EDSE 495 Seminar</td>
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</table>

Total Hours for Degree: 128

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

Course Descriptions

**Biology (BIOL)**

102 Human Genetics (3)
Principles of biology relative to development of human hereditary characteristics. 2 Lecture, 2 Lab. (C5)

103 Environmental Biology (3)
Principles of biology relative to ecology and modern environmental problems. Ecosystems structure and function, population growth, food production, pollution, and resource use. 2 Lecture, 2 Lab. (C5)

104 Human Biology (3)
The biology which underlines medical, social, and developmental issues of the human lifecycle. 2 Lecture, 2 Lab. (C5)

105 Biology in the 21st Century (3)
Modern biology from a cellular and molecular perspective, emphasizing cell structure, function, genes and genetic engineering, disease and evolution. 2 Lecture, 2 Lab. (C5)

108 Recreational Botany (1)
Identification of native plants on campus and in the field using popular plant guides; derivation of plant names; food and medicinal uses of plants. Two Saturday hikes required. 2 Field.

130 General Botany (4)
Diversity in plants: structure, phylogeny, classification, life histories, and aspects of the physiology of algae, fungi, bryophytes, and vascular plants. 3 Lecture, 3 Lab.
131 General Zoology (4)
Evolutionary relationships, functional morphology, physiology, and natural history of the major groups of animals; dissections and other lab exercises emphasize functional morphology. 3 Lecture, 3 Lab.

132 Human Genetics in Society (3)
Study of inheritance and development of human characteristics and the relationship of genetics to society. PREQ: 101 or permission of instructor.

140 Principles of Biology I (4)
Introduction to biology for majors. Basic cell structure and function, bioenergetics, introduction to genetics and molecular biology. COREQ: 140 lecture and 140 lab. 4 Lecture, 0 Lab. (Lecture-4 credits, Lab-0 credit) (Lab is required).

141 Principles of Biology II (4)
Second course for biology majors. Evolutionary patterns (Monera, Protista, Fungi, Plants, and Animals), introduction to plant and animal physiology, organismic interactions (Behavior, Ecology). PREQ: 140. COREQ: 141 lecture and 141 lab. 3 Lecture, 3 Lab. (Lecture-3 credits, Lab-1 credit). (Lab is required).

190 Discoveries in Biology (3)
Discoveries in biology used as the basis for exercises involving analysis of scientific reasoning, the scientific method, and experimental design.

192 Plant Biodiversity (3)
Southern Appalachian plant diversity as a background in botanical sciences. Experience with field identification techniques and human use of plants in medicines, foods, and fiber. 2 Lecture, 2 Lab.

193 Forensic Biology (3)
An exploration of techniques, applications, and social implication of forensic biology, including the science behind fingerprints, blood typing, DNA fingerprints, and other forensic areas.

194 Biotechnology: Methods, Applications, and Implications (3)
This course addresses the methods used in Biotechnology and their use in genetic engineering of bacteria, plants, animals, and ethical considerations associated with biotechnology.

251 Natural History of the Southern Appalachians (4)
Interdisciplinary study of this unique environment, on-site studies, scheduled pack trips. PREQ: 141. 2 Lecture, 6 Lab.

254 Dendrology (4)
Structure, distribution, identification, and economic uses of major forest trees of the United States; emphasis on regional species. 2 Lecture, 6 Lab/field.

291 Human Anatomy and Physiology (4, 4)
292 The skeletal, muscular, digestive, circulatory, respiratory, excretory, integrative, and reproductive systems. PREQ: Completion of 24 semester hours. 3 Lecture, 3 Lab.

304 General Ecology (3)
Ecosystem and population processes, pathways of energy and materials, interactions between organisms and populations and human role in the biosphere. PREQ: 141 or permission of instructor. COREQ: 304 lecture and 304 lab. 2 Lecture, 3 Lab. (Lecture-2 credits, Lab-1 credit). (Lab is required).

305 Genetics and Evolution (3)
Processes on inheritance and evolution from the molecular to the population level; experiments with various organisms and analysis of sample data illustrating principles of genetics. PREQ: 141 or permission of instructor. COREQ: 305 lecture and 305 lab). 2 Lecture, 3 Lab. (Lecture-2 credits, Lab-1 credit). (Lab is required).
311 Animal Physiology (3)
Principles of homeostasis, cell and tissue communication systems, contractility, respiration, excretion, and metabolism in animals. PREQ: BIOL 141 and CHEM 140.

313 Microbiology in Health and Nutrition (3)
Morphological, cultural, biochemical, and staining characteristics of microorganisms; emphasis on those that infect man and occur in water, food, and dairy products. PREQ: Permission of instructor. 2 Lecture, 3 Lab.

315 Introduction to Plant Physiology (1)
Introduction to plant metabolism, conduction, development, and defense mechanisms. PREQ: BIOL 141 and CHEM 140. 1 Lecture, 1 Lab.

333 Cell and Molecular Biology (3)
Viral, prokaryotic, and eukaryotic cell structure; DNA structure and replication; RNA and protein synthesis; control of gene expression. Structure and function of specific cell types. PREQ: 141 and 305 or permission of instructor. COREQ: 333 lecture and 333 lab. 2 Lecture, 3 Lab. (Lecture-2 credits, Lab-1 credit). (Lab is required).

361 (CHEM 361) Principles of Biochemistry (3)

373 Invertebrate Zoology (4)
Morphology, physiology, behavior, ecology, and evolution of invertebrates. PREQ: 141. 2 Lecture, 6 Lab.

374 Vertebrate Zoology (4)
Morphology, physiology, behavior, ecology, and evolution of vertebrates. PREQ: 141 or permission of instructor. 2 Lecture, 6 Lab.

389 Cooperative Education in Biology (1 or 3, R15) See Cooperative Education Program.

413 Principles of General Microbiology (2)
Survey of microorganisms emphasizing morphology, physiology, immunology, and ecology; microorganisms and disease; environmental and applied microbiology. Not open to students with credit in 313.

414 Methods of General Microbiology (2)
Microscopy; morphological, cultural, physiological, and serological characteristics of microorganisms; microbiology of food, milk, water, and soil. COREQ: 413. 6 Lab.

415 Plant Physiology (3)

416 Plant Molecular Biology (3)
Molecular aspects of plant development. Examination of the structure, expression, and function of genes involved in the flowering plant life cycle, including genes controlling embryogenesis, vegetative growth, plant-pathogen interaction, and reproduction. PREQ: 333 or equivalent.

417 Biochemistry (3)
The metabolism of carbohydrates, lipids, nucleic acids, and proteins in plant and animal systems. PREQ: BIOL 304, 305 and CHEM 242, 272; or permission of instructor.

419 Cell Biology (4)
Structure, function, and techniques for the study of cells. 3 Lecture, 3 Lab.

420 Darwin’s Origin of Species (3)
A detailed reading and analysis of Darwin’s landmark work, On the Origin of Species. Examining its historical and philosophical context, and its social and scientific significance. PREQ: 140, 141, 304, and 305 or equivalent.
425 Flora of the Southern Appalachians (4)
Taxonomy of the flowering plants of the region; family relationships; use of keys for identification; and recognition, collection, documentation, and preservation of specimens. One weekend field collecting trip. PREQ: 141. 2 Lecture, 6 Lab.

434 Terrestrial Ecology (4)
Population, ecosystem, community structure, and dynamics; major North American biomes; field and descriptive methods; required weekend field trips. PREQ: 304 and 305. 2 Lecture, 6 Lab/field.

435 Aquatic Ecology (4)
Biological, physical, and chemical components and processes in lakes and streams; field studies of local lakes and their biota. PREQ: 304. 2 Lecture, 6 Lab/field.

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 (3)
Principles and methods used in describing animal and/or plant taxa and in testing hypotheses of evolutionary relationship; individual research projects on the systematics of selected taxa. PREQ: Junior status in biology or permission of instructor.

455 Vascular Plants (4)
Biology of higher plants: club and small club mosses, quill worts, scouring rushes, ferns, gymnosperms, and angiosperms in living and fossil form. PREQ: 141. 3 Lecture, 3 Lab.

457 Biology of Algae (4)
Life histories, morphology, reproduction, and phylogeny of the algae. 3 Lecture, 3 Lab.

466 Aquaculture (1)
Commercial practices for the intensive production of fish; review of the elements involved in aquaculture systems with examples of aquatic farming and examination of problems related to industry. PREQ: 141 and 304 or permission of instructor.

467 Biostatistics (3)
Statistical concepts and methods for biologists. Design of experiments for computer analysis by ANOVA, single or multiple regression, principal components. An elementary statistics course is recommended. 2 Lecture, 2 Lab.

470 Biology of Arthropods (4)
Functional morphology, physiology, natural history, and systematics of the arthropods; field/lab emphasis on spiders. PREQ: 141. 2 Lecture, 6 Lab.

471 Animal Behavior (4)
Mechanisms, development, functional significance, and evolution of behavior; individual research projects, films, and discussions in lab. PREQ: 141 or permission of instructor. 3 Lecture, 3 Lab.

473 Microbial Ecology (4)
Ecology of archaea and bacteria. Population and community detection, diversity, and roles in biogeochemical cycling using cultivation and molecular techniques. PREQ: BIOL 304 and 413, or BIOL 414. COREQ: BIOL 473 Lab. 3 Lecture, 3 Lab.
475 Animal Development (4)
Development in animals: gametogenesis, fertilization, cleavage, gastrulation, organogenesis, embryonic adaptations, differentiation, and growth. PREQ: 304 and 305. 3 Lecture, 3 Lab.

476 Contemporary Fisheries (3)
Biological concepts and alternative management practices involved in the protection, conservation, restoration, augmentation, and cultivation of fisheries resources. PREQ: 141 and 304 or permission of instructor. 2 Lecture, 2 Lab.

480 Research in Biology (2, R6)
PREQ: Junior standing, permission of research director.

493 Studies in Biology (1-6, R12)
PREQ: Permission of department head.

495 Introduction to Senior Thesis (1)
Designed to introduce experimental design and assist in selection of a senior thesis project. PREQ: Permission of department head.

496 Senior Seminar (1)
PREQ: 140, 141, 304, 305, and 333; or permission of instructor.

498 Senior Thesis I (2)
Directed research conducted in the first semester of the senior year. PREQ: Permission of department head.

499 Senior Thesis II (1)
Senior thesis and oral presentation following completion of directed undergraduate research. PREQ: 498.

Graduate Courses

513 Principles of General Microbiology (2)
514 Methods of General Microbiology (2)
515 Plant Physiology (3)
516 Plant Molecular Biology (3)
517 Biochemistry (3)
519 Cell Biology (4)
520 Darwin's Origin of Species (3)
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)
573 Microbial Ecology (4)
576 Contemporary Fisheries (3)
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)
695 Introduction to Graduate Studies in Biology (2)
699 Thesis Research (3, R12)
779 Continuing Research - Non-Thesis Option (1, R10)
799 Continuing Research - Thesis Option (2, R24)

Course Descriptions

Science Education (SCI)

422 Principles and Methods of Science Education (3)
Philosophy and techniques of inquiry teaching applied to the science curriculum. Field experience required. PREQ: Admission to teacher education, EDSE 322.

451 Environmental Science for Teachers (3)
Materials and techniques for interdisciplinary projects.

491 Supervised Student Teaching in the Sciences, 9-12 (3)
A full-time supervised teaching experience in the Sciences. COREQ: EDSE 490, 495.
493 Topics in Science Education (1-3)

494 Topics in Science Education (1-3)

Graduate Courses
512 Advanced Science Methods (3, R6) 611 Physical and Earth Science for Teachers (3)
551 Environmental Science for Teachers (3) 621 Biology and Environmental Science for Teachers (3)
593 Topics in Science Education (1-3, R6) 695 Seminar in Science Education (3)
594 Topics in Science Education (1-3, R6) 696 Seminar in Science Education (3)

DEPARTMENT OF CHEMISTRY AND PHYSICS

Cynthia Atterholt, head


PREPROFESSIONAL PROGRAMS AND CHEMISTRY DEGREE PROGRAMS

Students interested in pre-medical, pre-dental, pre-optometry, pre-veterinary, and pre-pharmacy programs are encouraged to enroll in the B.A. in Chemistry or the B.S. in Chemistry – Pre-medical/Pre-dental/Pre-optometry/Pre-veterinary/Pre-pharmacy Concentration. Those interested in advanced study in chemistry are encouraged to enroll in the B.S. in Chemistry - Four Plus One Concentration in which students may receive a B.S. and an M.S. in chemistry in five years. By agreement between Western Carolina University and Wake Forest School of Medicine, students may earn a master of science degree in chemistry at Western Carolina University and receive credit for selected courses toward a Ph.D. at Wake Forest.

MAJOR IN CHEMISTRY, B.A. DEGREE

Liberal studies, 42 hours

The major requires 51 hours as follows:

140 Advanced General Chemistry, 4 hours
232 Quantitative Analysis, 3 hours
241, 242 Organic Chemistry I, II, 6 hours
272 Organic Chemistry Lab, 2 hours
352 Physical Chemistry I, 3 hours
361 Biochemistry, 3 hours
370 Instrumental Analysis I, 3 hours
371 Chemical Dynamics, 2 hours
495 Seminar, 1 hour
MATH 140 Introductory Calculus, 5 hours
MFL 231-232 or 240, 6 hours
PHYS 130-131 Introductory Physics I, II, 8 hours or 230-231 General Physics I, II, 8 hours
Chemistry electives (3 hours) at the junior-senior level

A minor, second major, or other approved program and general electives (37 hours), including at least 14 hours at the junior-senior level, are required to complete the program. Premedical, preveterinary, and predental students may complete the program by taking 14 hours of general electives BIOL 140, 141, 305, 333, and 7 hours selected from BIOL 291, 292, 311, 313, 374, 413, 414, 417, 478.
### FRESHMAN YEAR

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<td>CHEM 242 Organic Chemistry II</td>
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<td>CHEM 321 Inorganic Chemistry</td>
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<td>CHEM 272 Organic Lab</td>
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<td>CHEM 370 Instrument Analysis I</td>
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### JUNIOR YEAR

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<td>CHEM 352 Physical Chemistry I</td>
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<td>PHYS 131 Introductory Physics II</td>
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<td>CHEM 372 Synthesis</td>
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<td>CHEM 371 Dynamics</td>
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<td>MFL 231</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

### SENIOR YEAR

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<td>CHEM 495 Seminar</td>
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Total Hours for Degree: 128

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

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

The major requires 47 hours in Chemistry as follows:

- CHEM 140 Advanced General Chemistry, 4 hours
- CHEM 232 Quantitative Analysis, 3 hours
CHEM 241, 242 Organic Chemistry I, II, 6 hours  
CHEM 272 Organic Chemistry Lab, 2 hours  
CHEM 352 Physical Chemistry I, 3 hours  
CHEM 361 Biochemistry, 3 hours  
CHEM 370 Instrumental Analysis I, 3 hours  
CHEM 371 Chemical Dynamics, 2 hours  
CHEM 495 Seminar, 1 hour  
PHYS 230, 231 General Physics I, II, 8 hours  
MATH 153 Calculus I, 4 hours  
MATH 255 Calculus II, 4 hours  
MATH 256 Calculus III, 4 hours

ACS Approved Chemistry Concentration

The concentration requires 16 hours as follows:
CHEM 321 Inorganic Chemistry, 3 hours  
CHEM 372 Chemical Synthesis, 2 hours  
CHEM 380 Research in Chemistry, 4 hours  
CHEM 432 Instrumental Analysis II or CHEM 461 Environmental Chemistry, 3 hours  
CHEM 453 Physical Chemistry II, 3 hours  
CHEM 470 Advanced Instrumental Analysis Laboratory, 1 hour

General electives (23 hours) are required to complete the program. Students must take at least 32 hours at the junior-senior level at WCU in order to satisfy general university degree requirements.

**CURRICULUM GUIDE FOR CHEMISTRY, ACS APPROVED CONCENTRATION, B.S. DEGREE**

**FRESHMAN YEAR**

<table>
<thead>
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<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>Hrs.</th>
<th>SPRING SEMESTER</th>
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**SOPHOMORE YEAR**

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**JUNIOR YEAR**

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CHEM 371 Dynamics 2  P3 History 3
UL Perspective 3  General Elective 5
Jr.-Sr. Electives 4  P6 World Cultures 3
16

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

SENIOR YEAR

FALL SEMESTER  
Course and Number  Hrs.  
CHEM 453 Physical Chem. II 3  CHEM 432 or 461 Inst. Analy II. or Env. Chemistry 3  
Gen Electives 11  
CHEM 380 Research 2  
CHEM 380 Research 2

SPRING SEMESTER  
Course and Number  Hrs.  
CHEM 470 Adv. Inst. Lab. 1  
CHEM 495 Seminar 1  
General Electives 9  
CHEM 380 Research 2

16  16

Total Hours for Degree: 128

MAJOR IN CHEMISTRY, BIOTECHNOLOGY CONCENTRATION, B.S.

DEGREE
Liberal Studies, 42 hours

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

Biotechnology Concentration
The concentration requires 11 hours as follows:
BIOL 140, 141 Principle of Biology I, II, 8 hours
BIOL 333, Cell and Molecular Biology, 3 hours
The concentration requires 9 hours selected from the following:
CHEM 432 Instrumental Analysis II, 3 hours
CHEM 462 Bioinformatics, 3 hours
CHEM 463 Molecular Biotechnology, 3 hours
CHEM 464 Genomics, 3 hours
CHEM 470 Advanced Instrumental Analysis Laboratory, 1 hour
Recommended electives include:
BIOL 305 Genetics, 3 hours
BIOL 413, 414 Microbiology, 4 hours
General electives (26 hours) are required to complete the program. Students must take at least 32 hours at the junior-senior level at WCU in order to satisfy general university degree requirements.

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

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<td>BIOL 333 Cell. &amp; Mol.</td>
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**SENIOR YEAR**

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</table>

Total Hours for Degree: **128**
MAJOR IN CHEMISTRY, ENVIRONMENTAL CHEMISTRY CONCENTRATION, B. S. DEGREE

Liberal Studies, 42 hours

Core

The major requires 43 hours in Chemistry as follows:
CHEM 140 Advanced General Chemistry, 4 hours
CHEM 232 Quantitative Analysis, 3 hours
CHEM 241, 242 Organic Chemistry I, II, 6 hours
CHEM 272 Organic Chemistry Lab, 2 hours
CHEM 352 Physical Chemistry I, 3 hours
CHEM 361 Biochemistry, 3 hours
CHEM 370 Instrumental Analysis I, 3 hours
CHEM 371 Chemical Dynamics, 2 hours
CHEM 495 Seminar, 1 hour
PHYS 130-131 or 230-231 Introductory or General Physics, 8 hours
MATH 140 Introductory Calculus, 5 hours
MATH 270 Statistical Methods I, 3 hours

Environmental Chemistry Concentration

The concentration requires 25 hours as follows:
BIOL 140, Principles of Biology I, 4 hours
GEOL 150 Introduction to Physical Geology, 4 hours
CHEM 330 Aquatic Chemistry (lecture only), 2 hours
CHEM 461 Environmental Chemistry, 3 hours
CHEM 470 Advanced Instrumental Analysis Laboratory, 1 hour

Electives (11 hours) at the junior-senior level chosen from a minimum of two of the following areas:
CHEM, BIOL, GEOL, ECON, ENVH, & NRM.

General electives (18 hours) are required to complete the program. Students must take at least 32 hours at the junior-senior level at WCU in order to satisfy general university degree requirements.

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

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SOPHOMORE YEAR

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### JUNIOR YEAR

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Total Hours for Degree: 128

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

Liberal Studies, 42 hours

**Core**

The major requires 40 hours in Chemistry as follows:

- CHEM 140 Advanced General Chemistry, 4 hours
- CHEM 232 Quantitative Analysis, 3 hours
- CHEM 241, 242 Organic Chemistry I, II, 6 hours
- CHEM 272 Organic Chemistry Lab, 2 hours
- CHEM 352 Physical Chemistry I, 3 hours
- CHEM 361 Biochemistry, 3 hours
- CHEM 370 Instrumental Analysis I, 3 hours
- CHEM 371 Chemical Dynamics, 2 hours
- CHEM 495 Seminar, 1 hour
- PHYS 130-131 or 230-231 Introductory or General Physics, 8 hours
- MATH 140 Introductory Calculus, 5 hours

**Industrial Chemistry Concentration**

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

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

- CMTD 315 Organizational Communication, 3 hours
- ENGL 305 Technical Writing, 3 hours
- FIN 305 Financial Management, 3 hours
- LAW 230 Legal Environment of Business, 3 hours
- MGT 300 Introduction to Management, 3 hours
MKT 301 Principles of Marketing, 3 hours
MKT 306 Introduction to Professional Selling, 3 hours
ACCT 251 Accounting Principles I, Financial, 3 hours
ACCT 252 Accounting Principles II, Managerial, 3 hours
ECON 231 Introductory Microeconomics and Social Issues, 3 hours
ECON 232 Introductory Macroeconomics and Social Issues, 3 hours

General electives (25 hours) are required to complete the program. Students must take at least
32 hours at the junior-senior level at WCU in order to satisfy general university degree
requirements.

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

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#### FALL SEMESTER

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<tbody>
<tr>
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#### SPRING SEMESTER

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<tr>
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**Total Hours for Degree:** 128

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

#### Liberal Studies, 42 hours

#### Core

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

#### Premedical/Preveterinary/Predental/Preoptometry Chemistry Concentration

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

General electives (32 hours) are required to complete the program. Students must take at least 32 hours at the junior-senior level at WCU in order to satisfy general university degree requirements.

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

#### FRESHMAN YEAR

#### FALL SEMESTER

<table>
<thead>
<tr>
<th>Course and Number</th>
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<tr>
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<tr>
<td>MATH 140 Intro Calculus</td>
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<td>ENGL 101 Composition I</td>
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#### SPRING SEMESTER

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<td>ENGL 102 Composition II</td>
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### SOPHOMORE YEAR

**FALL SEMESTER**

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<td>BIOL 140 Principles of Biology I</td>
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<td>CHEM 370 Instrumental Analysis</td>
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<td>CMHC 201 Communication</td>
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**SPRING SEMESTER**

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<td>CHEM 272 Organic Lab</td>
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<td>PHYS 130 General Physics I</td>
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<td>P4 Humanities</td>
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<tr>
<td>BIOL 141 Principles of Biology II</td>
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### JUNIOR YEAR

**FALL SEMESTER**

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<td>PHYS 131 General Physics II</td>
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<td>CHEM 371 Dynamics</td>
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<td>3</td>
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<td>P5 Fine &amp; Performing Arts</td>
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**SPRING SEMESTER**

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

### SENIOR YEAR

**FALL SEMESTER**

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**SPRING SEMESTER**

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<td><strong>Total</strong></td>
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</table>

**Total Hours for Degree:** 128

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

**DEGREE**

Liberal Studies, 42 hours

**Core**

The major requires 43 hours in Chemistry as follows:

- CHEM 140 Advanced General Chemistry, 4 hours
- CHEM 232 Quantitative Analysis, 3 hours
- CHEM 241, 242 Organic Chemistry I, II, 6 hours
- CHEM 272 Organic Chemistry Lab, 2 hours
- CHEM 352 Physical Chemistry I, 3 hours
- CHEM 361 Biochemistry, 3 hours
- CHEM 370 Instrumental Analysis I, 3 hours
- CHEM 371 Chemical Dynamics, 2 hours
- CHEM 495 Seminar, 1 hour
- PHYS 230, 231 General Physics, 8 hours
- MATH 153 Calculus I, 4 hours
- MATH 255 Calculus II, 4 hours
Traditional Chemistry Concentration

The concentration requires 12 hours as follows:
CHEM 321 Inorganic Chemistry, 3 hours
CHEM 372 Chemical Synthesis, 2 hours
CHEM 432 Instrumental Analysis II or CHEM 461 Environmental Chemistry, 3 hours
CHEM 453 Physical Chemistry II, 3 hours
CHEM 470 Advanced Instrumental Analysis Laboratory, 1 hour

General electives (31 hours) are required to complete the program. Students must take at least 32 hours at the junior-senior level at WCU in order to satisfy general university degree requirements.

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

FRESHMAN YEAR

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<tr>
<td>CHEM 140 Adv. General Chem.</td>
<td>CHEM 232 Quantitative Analysis</td>
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<td>MATH 153 Calculus I</td>
<td>MATH 255 Calculus II</td>
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<td>ENGL 102 Composition II</td>
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SOPHOMORE YEAR

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<td>CHEM 370 Instrumental Analysis I</td>
<td>PHYS 230 General Physics I</td>
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<td>CMHC 201 Communication</td>
<td>P4 Humanities</td>
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<tr>
<td>P3 History</td>
<td>P5 Fine &amp; Performing Arts</td>
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JUNIOR YEAR

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<td>CHEM 361 Biochemistry</td>
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<tr>
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<td>CHEM 372 Synthesis</td>
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<td>CHEM 371 Dynamics</td>
<td>Jr.-Sr. Electives</td>
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<td>General Electives</td>
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<tr>
<td>Jr.-Sr. Electives</td>
<td>P6 World Cultures</td>
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</table>
## MAJOR IN CHEMISTRY, B.S. DEGREE-FOUR PLUS ONE CONCENTRATION

### Liberal Studies, 42 hours

### Core

The major in chemistry requires 27 hours in Chemistry as follows:

- 140 Advanced General Chemistry, 4 hours
- 232 Quantitative Analysis, 3 hours
- 241, 242 Organic Chemistry I, II 6 hours
- 272 Organic Chemistry Lab, 2 hours
- 352 Physical Chemistry I, 3 hours
- 361 Biochemistry, 3 hours
- 370 Instrumental Analysis I, 3 hours
- 371 Chemical Dynamics, 2 hours
- 495 Seminar, 1 hour

### Four Plus One Chemistry Concentration

The concentration requires 34 hours as follows:

- 380 Research in Chemistry, 6 hours
- 12 hours of Chemistry electives selected from 532, 541, 542, 553, 554, 561, 562, 570 and 593

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

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

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

### FRESHMAN YEAR

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<td>ENGL 101 Composition I</td>
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<td>HEAL or HSCC 123/101 Wellness</td>
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SOPHOMORE YEAR

FALL SEMESTER

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<td>CHEM 272 Organic Lab</td>
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<td>CHEM 370 Instrument Analysis I</td>
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<td>PHYS 230 General Physics I</td>
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<td>CMHC 201 Communication</td>
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<td>P6 World Cultures</td>
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<td>P3 History</td>
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<td>P5 Fine &amp; Performing Arts</td>
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JUNIOR YEAR

FALL SEMESTER

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<td>CHEM 361 Biochemistry</td>
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<td>PHYS 231 General Physics II</td>
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<td>CHEM 380 Research</td>
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<td>CHEM 371 Dynamics</td>
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<td>UL Perspective</td>
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<td>Jr.-Sr. Electives</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

SENIOR YEAR

FALL SEMESTER

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FIFTH YEAR

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<td>CHEM 698 Research</td>
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Total Hours for B.S. Degree: 128 (B.S. + M.S., 146)

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

Liberal Studies, 42 hours

The major requires 55 hours as follows:

CHEM 140 Advanced General Chemistry, 4 hours
CHEM 232 Quantitative Analysis, 3 hours
CHEM 241 Organic Chemistry I, 3 hours
CHEM 242 Organic Chemistry II, 3 hours  
CHEM 272 Organic Chemistry Lab, 2 hours  
CHEM 321 Inorganic Chemistry, 3 hours  
BIOL 140 Principles of Biology I, 4 hours  
BIOL 141 Principles of Biology II, 4 hours  
MATH 130 College Algebra, 3 hours  
MATH 140 Introductory Calculus, 5 hours  
PHYS 130 or 230 Introductory Physics I or General Physics I, 4 hours  
PHYS 131 or 231 Introductory Physics II or General Physics II, 4 hours  
GEOL 150 Introduction to Physical Geology, 4 hours  
GEOL 155 Historical Geology, 4 hours  
Chemistry electives, 5 hours, at the junior-senior level

The professional education sequence (28 hours) for secondary and special subject teaching and 3 hours of general electives are required to complete the program.

**CURRICULUM GUIDE FOR SCIENCE EDUCATION (CONCENTRATION IN CHEMISTRY), B. S. E.D. DEGREE**

**FRESHMAN YEAR**

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<tr>
<th>FALL SEMESTER</th>
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<th>Hrs.</th>
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<td>C4 Wellness</td>
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<td>P1 Social Sciences</td>
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**SOPHOMORE YEAR**

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<th>SPRING SEMESTER</th>
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**JUNIOR YEAR**

<table>
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<th>Hrs.</th>
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<tr>
<td>SPED 335 Except. Child</td>
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<td>EDRD 323 Reading</td>
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<td>UL Perspective</td>
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<td>P6 World Cultures</td>
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<tr>
<td>P5 Fine and Performing Arts</td>
<td>3</td>
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<td>Jr.-Sr. Chemistry Electives</td>
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<td>General Electives</td>
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<td><strong>JUNIOR YEAR</strong></td>
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17
After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

**SENIOR YEAR**

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
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<tbody>
<tr>
<td>Course and Number</td>
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<tr>
<td>GEOL 150 Meth. Geology</td>
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<td>SCI 422 Sci. Ed.</td>
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<td>PSY 321 Ed. Psych.</td>
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<td>CHEM 321 Inorganic</td>
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Total Hours for Degree: **126**

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

**Liberal Studies, 42 hours**

The major requires **55 hours** as follows:

- MATH 130 College Algebra, 3 hours
- MATH 140 Introductory Calculus, 5 hours
- PHYS 130 or 230 Introductory Physics I or General Physics I, 4 hours
- PHYS 131 or 231 Introductory Physics II or General Physics II, 4 hours
- PHYS 310 Modern Physics, 3 hours
- PHYS 360 Laboratory Physics, 2 hours
- BIOL 140 Principles of Biology I, 4 hours
- BIOL 141 Principles of Biology II, 4 hours
- CHEM 140 Advanced General Chemistry, 4 hours
- CHEM 232 Quantitative Analysis, 4 hours
- GEOL 150 Introduction to Physical Geology, 4 hours
- GEOL 155 Historical Geology, 4 hours
- Physics electives, 10 hours (2 hours must be at the junior-senior level)

The professional education sequence (28 hours) for secondary and special subject teaching and 3 hours of general electives are required to complete the program.

**Minor in Chemistry**

The minor requires 21 hours. CHEM 101 and 132 are not valid courses for the minor. At least 5 hours must be at the junior-senior level.

**Minor in Physics**

The minor requires 20 hours, including PHYS 130, 131 or 230, 231, and 12 hours of junior-senior electives.
## CURRICULUM GUIDE FOR SCIENCE EDUCATION (CONCENTRATION IN PHYSICS), B.S.ED. DEGREE

### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
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<th>Hrs.</th>
<th>SPRING SEMESTER</th>
<th>Course and Number</th>
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<td></td>
<td>190 First Year Seminar</td>
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<td>BIOL 140 Principles of Biology I</td>
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<td>ENGL 101 Composition I</td>
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<td>ENGL 102 Composition II</td>
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<td>CMHC 201 Communication</td>
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<td>MATH 130 College Algebra</td>
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<td>CHEM 140 Adv. General Chem.</td>
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### SOPHOMORE YEAR

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<tr>
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<td>GEOL 150 Methods in Geology</td>
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<td>SPED 335 Teaching Special Children</td>
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<td>BIOL 141 Principles of Biology II</td>
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<td>GEOL 155 Historical Geology</td>
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<td>EDCI 231 Curricular Instruction</td>
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### JUNIOR YEAR

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<td>MATH 140 Introductory Calculus</td>
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<td>PHYS 360 Laboratory Physics</td>
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<td>EDSE 322 Instructional Methods</td>
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<td>CHEM 232 Quantitative Analysis</td>
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<td>P1 Social Sciences</td>
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<td>PSY 320 or 322 Child/Adoles. Dev.</td>
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<td>PHYS 310 Modern Physics</td>
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<td>General Elective</td>
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</table>

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

*EDCI 231 may be taken in the Sophomore or Junior years. There is some flexibility in terms of the sequence of professional courses after the initial EDCI 231 course is taken.*

### SENIOR YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>Hrs.</th>
<th>SPRING SEMESTER</th>
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<td>PHYS Jr-Sr Elective</td>
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<td>PSY 321 Educational Psychology</td>
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<td>SCI 491 Supervised Stud. Teach. in the Sciences</td>
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<td>SCI 422 Science Methods</td>
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<td>General Electives</td>
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<td>EDSE 495 Seminar</td>
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<td>P6 Jr-Sr World Cultures</td>
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</table>

**Total Hours for Degree: 128**

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

Astronomy (AST)

101 Descriptive Astronomy (3-4)
Characteristics of solar stellar systems examined in terms of the technologies and attitudes of man. 3 Lecture, 2 Lab (lab is optional).

102 Introductory Observational Astronomy (3)
An observationally based introduction to astronomy. To include naked eye and telescopic observations, and laboratory activities. Topics include planets, stars, nebulae, galaxies, and hypothermia prevention. (C5)

103 The Solar System (3)
A descriptive introduction to our solar system from a historical and evolutionary perspective. (C5)

104 Cosmic Evolution (3)
A descriptive introduction to stars, galaxies, and the universe, from an evolutionary perspective. (C5)

301 Modern Astronomy (3)
Techniques of measurement and research. PREQ: 230. 2 Lecture, 1 Lab.

Graduate Courses

601 Astronomy for Teachers (3)

Chemistry (CHEM)

101 Chemistry in Society (3)
Introduction to chemistry emphasizing the impact of chemistry and scientific reasoning on society. 2 Lecture, 2 Lab. (C5)

132 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.

171 Inquiries Into Chemistry (1)
A discovery-based laboratory featuring guided inquiries into chemistry using current technologies. PREQ: 140, permission of instructor or department head. 3 Lab.

190 Chemistry in Industry (3)
Principles of chemistry applied to industrial activities and the modern world. Scientific, economic, social, and ethical considerations will be discussed.

191 Issues in Environmental Chemistry (3)
Study of scientific concepts and facts relating to environmental issues. Topics will include environmental ethics, air and water pollution, recycling, food production, and agricultural chemistry.

192 Human Gene Discovery Laboratory (3)
Introduction to techniques used in gene discovery process.
193 Chemistry in the Arts (3)
Introduction to the chemical techniques and principles involved in visual art.

194 Forensic Chemistry (3)
Introduction to the chemical techniques used in criminal investigations.

232 Quantitative Analysis (3)
Theory and practice of methods to quantitatively determine chemical compounds, including equilibria, titrations, redox reactions, and spectrophotometry. PREQ: CHEM 140, MATH 146 or equivalent. 2 Lecture, 3 Lab.

241 Organic Chemistry I (3)
Aliphatic and aromatic compounds of carbon; relationships between structure and reactivity. PREQ: 140.

242 Organic Chemistry II (3)
Continuation of 241; introductory theory of instrumentation and applications of spectral methods in structure determination. PREQ: 241.

272 Organic Chemistry Lab (2)
Synthetic organic techniques and contemporary methods of analysis including NMR, FT-IR, and GC. PREQ: or COREQ: 242. 6 Lab.

311 Industrial Chemistry (3)
Processes, operations, marketing, and management in chemical manufacturing. PREQ: 242, 370.

321 Inorganic Chemistry (3)
Physical and chemical properties of the elements and their compounds; emphasis on chemical reactions. PREQ: 241.

330 Aquatic Chemistry (2-3)
The sources, reactions, transport and effects of chemical species in water. Topics include phase interactions, aquatic microbial biochemistry, water pollution and treatment. PREQ: 133 or 241. 2 Lecture, 3 Lab. (Lab is not available to chemistry majors).

352 Physical Chemistry I (3)
Introduction to chemical thermodynamics and kinetics. PREQ: 242; MATH 140 or 153.

361 (BIOL 361) Principles of Biochemistry (3)
Structures and properties of biomolecules; central principles of metabolism. PREQ: 242.

370 Instrumental Analysis I (3)
Introduction to instrumental methods, including gas and liquid chromatography; atomic, ultraviolet/visible, infrared, and fluorescence spectroscopy; and photometric methods. PREQ: 140. 2 Lecture, 3 Lab.

371 Chemical Dynamics (2)
Measurements and data treatment of the dynamics (e.g., kinetics, thermodynamics) of chemical systems. PREQ: 370. 6 Lab.

372 Chemical Syntheses (2)
Multistep synthesis of inorganic and organic compounds. PREQ: 370. 6 Lab.

380 Research in Chemistry (2, R8)
Chemical research projects for individual students. PREQ: 2.5 GPA in major and permission of instructor. 6 Lab.

389 Cooperative Education in Chemistry (1 or 3, R15) See Cooperative Education Program.
421 Advanced Inorganic Chemistry (3)
Survey of structure and bonding in inorganic compounds, acid-base theory, coordination complexes of transition metals and fundamentals of crystal-field and ligand-field theory. PREQ: 321 and 352. COREQ: 453.

432 Instrumental Analysis II (3)
Advanced environmental, biological, and materials applications of modern chemical instrumentation. PREQ: 370. PREQ or COREQ: 352.

441 Advanced Organic Chemistry (3)
Synthetic methods and mechanistic study to include selected topics emphasizing the relationships between structure and reactivity. PREQ: 242, 370.

442 Introduction to Organic Polymers (3)
Linear and cross-linked polymers and selected topics emphasizing relationships between structure and properties. PREQ: 370.

453 Physical Chemistry II (3)
Quantum mechanics; introduction to molecular spectroscopy and applications of thermodynamics. PREQ: 352, MATH 255, and PHYS 230. COREQ: 421.

454 (PHYS 454) Computer Interfacing (3)
Digital logic, computer design, and interfacing with laboratory instruments. PREQ: Permission of instructor. 2 Lecture, 3 Lab.

461 Environmental Chemistry (3)
Sources, reactions, transport, effects, and fates of chemical species in water, soil, air, and living environments. PREQ: 352.

462 Molecular Bioinformatics (3)
Provides experience in the computer analysis of DNA and protein sequences, interrogating gene bank databases, and predicting protein structures and functions. PREQ: 361 or permission of instructor. 2 Lecture, 3 Lab.

463 Molecular Biotechnology (3)
Overview of modern biotechnology from a molecular perspective. PREQ: CHEM or BIOL 361.

464 Genomics (3)
Molecular aspects of cellular genomes. PREQ: CHEM or BIOL 361.

470 Advanced Instrumental Analysis Laboratory (1)
Practical environmental, biological, and materials applications of modern chemical instrumentation. PREQ: 370. 3 Lab.

493 Topics in Chemistry (1-3, R6)
PREQ: Junior standing and permission of department head. 1-3 Lecture, 6-0 Lab.

495 Seminar in Chemistry (1, R4)
2 Seminar.

Graduate Courses

532 Instrumental Analysis II (3)
652 Graduate Physical Chemistry (3)
541 Advanced Organic Chemistry (3)
691 Topics in Chemical Education (1-3, R9)
542 Introduction to Organic Polymers (3)
692 Topics in Inorganic Chemistry (3, R6)
553 Physical Chemistry II (3)
693 Topics in Analytical Chemistry (3, R6)
554 Computer Interfacing (3)
694 Topics in Organic Chemistry (3, R6)
561 Environmental Chemistry (3)
695 Topics in Physical Chemistry (3, R6)
562 Molecular Bioinformatics (3)
696 Seminar (1, R3)
563 Molecular Biotechnology (3)
570 Advanced Instrumental Analysis Laboratory (1)
564 Genomics (3)
699 Thesis (3, R9)
698 Research in Chemistry (3, R15)
779 Continuing Research - Non-Thesis Option (1, R10)
589 Cooperative Education in Chemistry (3, R6)
799 Continuing Research - Thesis Option (2, R24)
593 Topics in Chemistry (1-3, R6)
621 Graduate Inorganic Chemistry (3)
Physics (PHYS)

105 Contemporary Physics (3)
A lecture-laboratory integrated course covering basic theories and techniques used in physics. Topics include wave motion, matter, heat, electromagnetism, quantum mechanics, and nuclear physics. 3 Lecture/Lab. (C5)

130 Introductory Physics I (4)
Noncalculus-based treatment of motion, force, energy, and heat. 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. COREQ: 131 or 231. 3 Lecture, 3 Lab.

335 Astrophysics (3)
Introduction to the basic principles of astrophysics; stellar structure, stellar evolution, galactic astronomy. PREQ: 231 or 131; MATH 256.
360 Laboratory Physics (2)
Intermediate experiments in modern physics. PREQ: 131 or 231.

380 Research in Physics (2, R8)
Physics research projects for individual students. PREQ: Permission of instructor.

389 Cooperative Education in Physics (1 or 3, R15)
See Cooperative Education Program.

410 Classical Mechanics (3)
Topics in analytical mechanics using vector operators and differential equations. PREQ: 320 or MATH 256.

420 Nuclear Physics (3)
Nuclear decay, models, reactions, fission, fusion; lab techniques of instrumentation, gamma spectra, particle techniques. PREQ: 131 or 231 and a course in differential and integral calculus. 2 Lecture, 3 Lab.

440 Electricity and Magnetism (3)
Topics in electricity and magnetism using vector operators and differential equations. PREQ: 410 and 320 or MATH 320.

450 Quantum Mechanics (3)
Origins of quantum theory, the Schrodinger equation, one-dimensional potentials, linear harmonic oscillator, spherically symmetric potentials and the hydrogen atom. PREQ: 310, MATH 256.

454 (CHEM 454) Computer Interfacing (3)
Digital logic, computer design, and interfacing with laboratory instruments. PREQ: Permission of instructor. 2 Lecture, 3 Lab.

493 Topics in Physics (2-4)
PREQ: 350 or permission of department head.

495 Seminar in Physics (1)
S/U grading.

Graduate Courses
601 Topics in Physics Education I (3)
602 Topics in Physics Education II (3)

Course Descriptions

Science Education (SCI)

422 Principles and Methods of Science Education (3)
Philosophy and techniques of inquiry teaching applied to the science curriculum. Field experience required. PREQ: Admission to teacher education, EDSE 322.

451 Environmental Science for Teachers (3)
Materials and techniques for interdisciplinary projects.

491 Supervised Student Teaching in the Sciences, 9-12 (3)
A full-time supervised teaching experience in the Sciences. COREQ: EDSE 490, 495.

493 Topics in Science Education (1-3)

494 Topics in Science Education (1-3)
Graduate Courses
512 Advanced Science Methods (3, R6) 611 Physical and Earth Science for Teachers (3)
551 Environmental Science for Teachers (3) 621 Biology and Environmental Science for Teachers (3)
593 Topics in Science Education (1-3, R6) 695 Seminar in Science Education (3)
594 Topics in Science Education (1-3, R6) 696 Seminar in Science Education (3)

DEPARTMENT OF COMMUNICATION, THEATRE, AND DANCE
Susan Brown-Strauss, head


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

MAJOR IN COMMUNICATION, B.S. DEGREE

Liberal studies, 42 hours

The major requires 46 hours, including 34 required hours in communication core courses (CMCR) and an 18-hour concentration.

Required Communication Core Courses, 34 hours:
CIS 304 Business Communications, 3 hours, or ENGL 401 Writing for Careers, 3 hours
CMCR 140 Introduction to Communication Media, 3 hours
CMCR 150 Interpersonal Communication, 3 hours
CMCR 250 Public Communication, 3 hours
CMCR 301 Writing for Communication Media, 3 hours
CMCR 350 Communication Theory, 3 hours
CMCR 351 Communication Research, 3 hours
CMCR 389 Cooperative Education in Communication or
CMCR 483 Internship in Communication, 3 hours
CMCR 401 Editing for Communication Media, 3 hours
CMCR 465 Communication Ethics and Responsibilities, 3 hours
CMCR 496 Seminar in Professional Development, 1 hour
3 credit hour statistics course

Concentrations, at least 18 hours, selected from:

Communication Training and Development (CMTD): CMTD 315, 316, 412, 413 required; 6 hours selected from CMHC 314, 411, 414, 415, CMTD 493 and CMPM 306

Electronic Media (CMEM): CMEM 352, 354, 355, and 356 required; 6 hours selected from CMEM 351, 450, 451, 454, 455, 456, 457, 458, 459, 493 and CMPM 306

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

Public Relations (CMPR): CMPR 360, 365, 460, CMPM 303, 404 required; 3 hours selected from CMPR 493, CMTD 315, CMPM 304, 306, 403, or 3 hours of adviser-approved courses
To complete the program, a total of 34 hours is required, including at least 12 hours of general electives and a minor, second major, or other approved program. Students may not minor in another communication concentration or the minor in journalism offered in the Department of English. At least 32 hours taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.

CURRICULUM GUIDE FOR COMMUNICATION (COMMUNICATION TRAINING AND DEVELOPMENT), B.S. DEGREE

FRESHMAN YEAR

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<td>FALL SEMESTER</td>
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<td>ENGL 101 Composition I</td>
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<td>C2 Math</td>
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<td>CMCR 483 Internship in Comm.</td>
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<td>CMHC 201 Communication</td>
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<td>CMCR140 Intro comm. Media</td>
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SOPHOMORE YEAR

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JUNIOR YEAR

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SUMMER SCHOOL I

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SENIOR YEAR

FALL SEMESTER | SPRING SEMESTER
---|---
Course and Number | Hrs. | Course and Number | Hrs.
CMTD 416 Comm. Train. & Dev. | 3 | CMTD493 Selected Topics | 3
Concentration Elective | 6 | CMCR 496 Senior Seminar | 1
General Electives | 6 | General Electives | 9

15 | 13

Total Hours for Degree: 123

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

Course Descriptions

Communication Core (CMCR)

140 Introduction to Communication Media (3)
Survey of the history, function, and economics of the communication industry.

150 Interpersonal Communication (3)
Basic theory and skills in interpersonal communication including gender, nonverbal, listening, and interviewing skills.

190 A User’s Guide to the Mass Media (3)
Analysis of the practical, theoretical, historical, social and cultural contexts of mass media, the techniques they use, and the impact of those techniques. 3 Seminar.

250 Public Communication (3)
Principles of public communication skills as related to professional speaking. PREQ: CMHC 201 or equivalent and ENGL 102.

301 Writing for Communication Media (3)
Elements of news, news values, basic interviewing techniques; writing principles and fundamentals; styles used in journalism, broadcasting, advertising, and public relations. PREQ: ENGL 102, CMCR 140.

350 Communication Theory (3)
Survey of theoretical genres used across communication disciplines. PREQ: 140, 150.

351 Communication Research (3)
This course is an introduction to the methods and practices of communication research. Students will be required to design and conduct a research project. PREQ: 3 credits in statistics, CMCR 350.

389 Cooperative Education in Communications (1 or 3, R 9)
See Cooperative Education Program. PREQ: Completed 60 hours and permission of department head.

401 Editing for Communication Media (3)
Elements of critical thinking and analysis fundamental to the editorial process in communication media. PREQ: 301 and 350.

465 Communications Ethics and Responsibilities (3)
The legal and moral responsibilities of communicators in the communication industry. PREQ: 90 or more hours.

483 Internship in Communications (3, R9)
Work experience in the communication industry. S/U grading. PREQ: Completed 60 hours and permission of department head. 9 hours per week, per 3-hour course.
494 Communication Projects (1-3, R6)
Practical experience, performance, research in debate, forensics, film, electronic, and print media. PREQ: Permission of instructor.

496 Seminar in Professional Development (1)
The development and evaluation of professional credentials for entry into the communication industry.

Communication—Human Communication (CMHC)

201 Introduction to Speech Communication (3)
Basic principles of communication skills and theory in interpersonal, small group, and public communication. (C3)

300 Foundations of Oral Communication (3)
Required of any undergraduate who receives two oral competence condition (OCC) marks.

314 Professional Speaking (3)
Advanced principles of public communication skills as related to professional speaking. PREQ: CMCR 250

410 The Rhetoric of Performance (3)
Overview of performance studies as an aspect of the communication discipline.

411 Rhetorical Theory and Criticism (3)
Ancient and modern concepts and theories, and application to rhetorical acts.

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

## FRESHMAN YEAR

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## JUNIOR YEAR

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<td>CMCR365 Communication Ethics</td>
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<td>CMEM 354 Radio I</td>
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## SUMMER SCHOOL I

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Total Hours for Degree: 123

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

Communication—Electronic Media (CMEM)

351 Comparative Studies in Film/TV (3)
Evaluative study of the relationship between the film and television industries; historical perspectives, techniques and impact; emphasis on the language of video. PREQ: CMCR 301 or permission of instructor. 3 Lecture, 2 Lab.

352 Writing for Broadcast (3, R6)
Writing commercials, public-service announcements, station promotions, and short educational/entertainment features for radio and television. PREQ: CMCR 301. COREQ: 354 and/or 355.

354 Radio Production I (3)

355 Television Production I (3)
Producing and directing various television programs and productions; emphasis on studio operations. PREQ: CMCR 301. COREQ: CMEM 352.

356 Electronic Media Law and Regulation (3)
This course is intended to help students understand the major issues and regulations facing the electronic media industry. PREQ: CMCR 301.

450 Directing for the Camera (3)
The art of directing on-camera performances. PREQ: 355.

451 Advanced Studies in Film and Television (3)
Advanced studies in technical analysis and sociological impact of film and television. PREQ: 351 or permission of instructor.

454 Radio Production II (3)
Editing and related technical skills. PREQ: 354 or permission of instructor.

455 Television Production II (3)
Continuation of 355 and emphasis on field production, editing, and related technical/creative skills. PREQ: 355.

456 Broadcast Operations (3)
Principles of management in radio, television, and cable at the local and network levels. PREQ: 356.

457 Radio and Television Programming (3)
Techniques of programming for AM, FM commercial, and FM educational radio; educational and commercial television; cable and satellite operations. PREQ: 354 or 355.

458 Broadcast Sales and Promotion (3)
Introduction to the skills involved in selling broadcast time and broadcast promotions. PREQ: 354 or 355.

459 Broadcast News (3)
Finding sources of information, developing interview techniques, and writing news for radio and television; emphasis on completing tasks under deadline conditions. PREQ: 354 or 355.

493 Selected Topics in Electronic Media (3, R9)
Study in a special area of interest in electronic media.

Graduate courses

593 Selected Topics in Electronic Media (3)
## CURRICULUM GUIDE FOR COMMUNICATION (PRINT MEDIA CONCENTRATION), B.S. DEGREE

### FRESHMAN YEAR

#### FALL SEMESTER

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**Total Hrs.: 15**

#### SPRING SEMESTER

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**Total Hrs.: 15**

### SOPHOMORE YEAR

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**Total Hrs.: 16**

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**Total Hrs.: 16**

### JUNIOR YEAR

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<td>CMPM 303 Advert. &amp; PR writing</td>
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**Total Hrs.: 15**

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<td>CMPM 304 Magazine &amp; Feature Writ.</td>
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<td>CMPM 401 Editing</td>
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<td>P6 Jr-Sr World Cultures</td>
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**Total Hrs.: 15**

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

### SUMMER SCHOOL I

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</table>

Total Hours for Degree: 124

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

### Course Descriptions

#### 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 Relations Writing (3)**
Writing persuasive messages for selected audiences in public relations, advertising and promotions, and mass media. PREQ: CMCR 301.

**304 Magazine and Feature Writing (3)**
Writing feature material for newspapers and magazines. PREQ: CMCR 301.

**305 Sports Writing (3)**
Fundamentals of sports reporting for print media. PREQ: CMCR 301.

**306 Introduction to Multimedia (3)**
Use of computers to present and combine text, graphics, audio, and video.

**402 Print Media Production (3)**
Layout, design, and production for print media. PREQ: CMCR 350.

**403 Association Communications (3)**
The development and operation of effective communications programs for nonprofit organizations. PREQ: CMCR 401.

**404 Desktop Publishing (3, R6)**
The use of personal computers and peripherals to produce publications and promotional materials. PREQ: Permission of the instructor.

**406 Advanced Multimedia (3)**
Advanced course on use of computers to present and combine text, graphics, audio, and video, with emphasis on creative student projects. PREQ: CMPM 306 or permission of instructor.

**493 Selected Topics in Print Media (3, R9)**
Study in a special area of interest in print media.

#### Graduate courses

**593 Selected Topics in Print Media (3)**
CURRICULUM GUIDE FOR COMMUNICATION (PUBLIC RELATIONS CONCENTRATION), B.S. DEGREE

FRESHMAN YEAR

FALL SEMESTER

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMCR 190 A User's guide to mass media</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 101 Composition I</td>
<td>3</td>
</tr>
<tr>
<td>C2 Math</td>
<td>3</td>
</tr>
<tr>
<td>P1 Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>P3 Perspective</td>
<td>3</td>
</tr>
<tr>
<td>JS 101 Jumpstart</td>
<td>0</td>
</tr>
</tbody>
</table>

| Total                                          | 15   |

SPRING SEMESTER

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMHC 201 Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMCR 140 Intro. comm. media</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 102 Composition II</td>
<td>3</td>
</tr>
<tr>
<td>P1 Perspective</td>
<td>3</td>
</tr>
<tr>
<td>HEAL or HSCC 123/101 Wellness</td>
<td></td>
</tr>
</tbody>
</table>

| Total                                          | 15   |

SOPHOMORE YEAR

FALL SEMESTER

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMCR 150 Interpersonal comm.</td>
<td>3</td>
</tr>
<tr>
<td>CMCR 296 Intro to Prof. Dev.</td>
<td>1</td>
</tr>
<tr>
<td>P4 Humanities</td>
<td>3</td>
</tr>
<tr>
<td>C5 Physical &amp; Biological Sciences</td>
<td>3</td>
</tr>
<tr>
<td>P5 Fine &amp; Performing Arts</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
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| Total                                          | 16   |

SPRING SEMESTER

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
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</thead>
<tbody>
<tr>
<td>CMCR 250 Professional Speaking</td>
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</tr>
<tr>
<td>CMCR 301 Writing for Mass Comm.</td>
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</tr>
<tr>
<td>CMCR 251 Statistics for Comm.</td>
<td>1</td>
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<tr>
<td>C5 Physical &amp; Biological Sciences</td>
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<tr>
<td>General Electives</td>
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| Total                                          | 16   |

JUNIOR YEAR

FALL SEMESTER

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMPR 360 Intro to PR</td>
<td>3</td>
</tr>
<tr>
<td>CMPP 303 Advertising &amp; PR writ.</td>
<td>3</td>
</tr>
<tr>
<td>CMCR 350 Communication Theory</td>
<td>3</td>
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<tr>
<td>General Elective</td>
<td>3</td>
</tr>
<tr>
<td>CIS 304 or ENGL 401 Comm. core</td>
<td>3</td>
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| Total                                          | 15   |

SPRING SEMESTER

<table>
<thead>
<tr>
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<th>Hrs.</th>
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<tr>
<td>CMCR 365 Comm Ethics</td>
<td>3</td>
</tr>
<tr>
<td>CMPP 365 PR Cases</td>
<td>3</td>
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<tr>
<td>CMPP 401 Editing</td>
<td>3</td>
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<td>P6 Jr-Sr World Cultures</td>
<td>3</td>
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<tr>
<td>General Elective</td>
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</tbody>
</table>

| Total                                          | 15   |

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

SUMMER SCHOOL I

FALL SEMESTER

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>CMCR 483 Internship</td>
<td>3</td>
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| Total                                          | 3    |

SPRING SEMESTER

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<thead>
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<th>Hrs.</th>
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<tbody>
<tr>
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| Total                                          |      |
### SENIOR YEAR

#### FALL SEMESTER

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>CMPR 460 PR Campaigns</td>
<td>3</td>
</tr>
<tr>
<td>CMPM 404 Desktop Publishing</td>
<td>3</td>
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<tr>
<td>Concentration elective</td>
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<td>General Electives</td>
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<td><strong>Total Hrs.</strong></td>
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</table>

#### SPRING SEMESTER

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>CMCR496 Senior Sem. in Prof Dev.</td>
<td>1</td>
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<tr>
<td>General Electives</td>
<td>12</td>
</tr>
<tr>
<td><strong>Total Hrs.</strong></td>
<td><strong>13</strong></td>
</tr>
</tbody>
</table>

**Total Hours for Degree:** 122

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

### Course Descriptions

**Communication—Public Relations (CMPR)**

**360 Introduction to Public Relations (3)**
The study of the management function of controlling an organization's communication with its publics.

**365 Public Relations Case Studies (3)**
Analysis and critique of the theories, strategies and factors used in classic and contemporary public relations campaigns and programs. **PREQ:** 360.

**400 Crisis Communications (3)**
Developing, following and evaluating a crisis communication plan, serving as crisis spokesperson, and communicating with the media and other publics during a crisis. **PREQ:** CMCR 250 or permission of instructor.

**460 Public Relations Campaigns (3)**
Identification and analysis of organizational publics, the development of specific communication strategies to influence those publics, and the implementation and evaluation of those communication strategies. **PREQ:** 360. **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)**

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

See Communication B.S. for additional concentrations

### Liberal Studies, 42 hours
The Theatre concentration requires 46 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
- **MFL 231, 232 or 240**, 6 hours
- 8 hours of CMTA junior-senior electives
To complete the program, a total of 40 hours is required, including a minor, second major, or approved program, and at least 12 hours of general electives. At least 32 hours taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.

CURRICULUM GUIDE FOR SPEECH AND THEATRE ARTS, B.A. DEGREE

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Hrs.</th>
<th>SPRING SEMESTER</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>Course and Number</td>
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<td>Course and Number</td>
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<tr>
<td>ENGL 101 Composition I</td>
<td>3</td>
<td>ENGL 102 Composition II</td>
<td>3</td>
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<tr>
<td>190 series First Year Studies</td>
<td>3</td>
<td>CMHC 201 Communication</td>
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<td>P3 History</td>
<td>3</td>
<td>HEAL or HSCC 123/101 Wellness</td>
<td>3</td>
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<td>P1 Social Sciences</td>
<td>3</td>
<td>CMTA231 Stagecrafts I</td>
<td>3</td>
</tr>
<tr>
<td>CMTA 131 Intro to Theatre</td>
<td>3</td>
<td>CMTA 140 Acting I</td>
<td>3</td>
</tr>
<tr>
<td>JS 101 Jumpstart</td>
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<tr>
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SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Hrs.</th>
<th>SPRING SEMESTER</th>
<th>Hrs.</th>
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</thead>
<tbody>
<tr>
<td>Course and Number</td>
<td></td>
<td>Course and Number</td>
<td></td>
</tr>
<tr>
<td>CMTA 331 Stagecrafts II</td>
<td>3</td>
<td>CMTA340 Acting II</td>
<td>3</td>
</tr>
<tr>
<td>CMTA 130 Makeup I</td>
<td>1</td>
<td>CMTA Elective</td>
<td>2</td>
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<tr>
<td>Language</td>
<td>3</td>
<td>Language</td>
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</tr>
<tr>
<td>C5 Physical &amp; Biological Sciences</td>
<td>3</td>
<td>C5 Physical &amp; Biological Sciences</td>
<td>3</td>
</tr>
<tr>
<td>P1 Social Sciences</td>
<td>3</td>
<td>P4 Humanities</td>
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<tr>
<td>Minor</td>
<td>3</td>
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</tr>
<tr>
<td></td>
<td>16</td>
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SUMMER SCHOOL I

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Hrs.</th>
<th>SPRING SEMESTER</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course and Number</td>
<td></td>
<td>Course and Number</td>
<td></td>
</tr>
<tr>
<td>C2 Math</td>
<td>3</td>
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<td>Elective</td>
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<td></td>
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</table>

JUNIOR YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Hrs.</th>
<th>SPRING SEMESTER</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course and Number</td>
<td></td>
<td>Course and Number</td>
<td></td>
</tr>
<tr>
<td>CMTA 300 Dramatic Lit &amp; Crit I</td>
<td>3</td>
<td>CMTA301 Dramatic Lit &amp; Crit II</td>
<td>3</td>
</tr>
<tr>
<td>CMTA 350 Directing I</td>
<td>3</td>
<td>CMTA Elective</td>
<td>3</td>
</tr>
<tr>
<td>P6 Fine &amp; Performing Arts</td>
<td>3</td>
<td>General Elective</td>
<td>4</td>
</tr>
<tr>
<td>Minor</td>
<td>6</td>
<td>P5 Jr-Sr Fine &amp; Performing Arts</td>
<td>3</td>
</tr>
<tr>
<td>Minor</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>15</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Hrs.</th>
<th>SPRING SEMESTER</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMTA 400 History of Theatre I</td>
<td>3</td>
<td>CMTA401 History of Theatre II</td>
<td>3</td>
</tr>
<tr>
<td>CMTA 496 Seminar in Prof. Dev.</td>
<td>1</td>
<td>General Electives</td>
<td>6</td>
</tr>
<tr>
<td>CMTA Elective</td>
<td>3</td>
<td>Minor</td>
<td>6</td>
</tr>
<tr>
<td>Minor</td>
<td>6</td>
<td>General Elective</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>16</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

Total Hours for Degree: 128

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

MAJOR IN THEATRE, B.F.A. DEGREE

Admission to the Bachelor of Fine Arts in Theatre. Entrance into the program will require the following: (1) Sophomore standing and the completion of no more than 90 hours; (2) minimum overall GPA of 2.5; (3) completion of CMTA 131, ENGL 102, a liberal studies course in oral communication, history, and art or music with a grade of “C” or better, and completion of a liberal studies science course and the core mathematics course; and (4) resume documenting involvement and/or training in theatre. Each student will be required, upon admission, to declare an area of emphasis, either Performance or Design/Tech. Within the area of emphasis the student will then declare a concentration. Within the Performance emphasis, the concentrations are Acting or Musical Theatre; within the Design/Tech emphasis, concentrations are Technical Production, Scenic Design, Costume Design, or Lighting Design. Applicants must complete a letter of application and present an audition piece/design portfolio. Complete admissions procedures and retention policies are outlined in the PROCEDURAL GUIDE FOR THE BFA IN THEATRE located in the Department of Communication, Theatre, and Dance.

Liberal Studies, 42 hours

The major requires 66 to 74 hours, including 34 hours in required theatre courses, 14 hours of Performance core or 15 hours of Design/Tech core, and a concentration of between 17 and 26 hours.

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

For performance emphasis students, a performance core of 14 hours: CMTA 341, DA 258, DA 301, MUS 258, and 4 hours from MUS 106 and 206, and one of the following concentrations.
Acting concentration, 18 hours: 9 hours from CMTA 345, 346, 351, 441; 6 hours from DA 253, 255, 256, 259, 302; PE 207; and 3 hours from ENGL 333, ENGL 431.

Musical Theatre concentration, 26 hours: MUS 108, 118, 148, 149; 3 hours from 171 or 371; 3 hours from 175 or 370, 208, 218, 304; 2 hours of 306; 2 hours of 406, 410.

For design/tech students, a design/tech core of 15 hours: ART 136, 137; HIST 221, 222; 3 hours from ENGL 333, 431, and one of the following concentrations.

Costume Design concentration, 17 hours: CMTA 332, 337, 437, 438; HEAL 250; ART 131.

Lighting Design concentration, 17 hours: CMTA 332, 335, 435; HEAL 250; 6 hours from ART 131, ET 132, IDES 251.

Scenic Design concentration, 17 hours: CMTA 332, 333, 433; HEAL 250; 6 hours from ART 131, ET 132, IDES 251.

Technical Production concentration, 17 hours: CMTA 332, HEAL 250; 6 hours from CMTA 333, 335, 337, 438; 6 hours from ART 131, ET 132, IDES 251.

To complete the program, general electives to total 128 hours are required. A student will have only one concentration in the B.F.A. degree. At least 32 hours taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.

Minor in Communication
The minor requires 21 hours: CMCR 140, 150, 250, 301, 350, 401, and 465.

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

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

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

Minor in Theatre
The minor requires 24 hours: CMTA 131, 140, 231, 300 or 301, 331, 340, 350, 400 or 401.

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

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Course and Number</strong></td>
<td><strong>Hrs.</strong></td>
</tr>
<tr>
<td>CMTA 131 Intro. to Theatre</td>
<td>3</td>
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<tr>
<td>C1 Writing</td>
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<tr>
<td>1st Year Seminar</td>
<td>3</td>
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<tr>
<td>C2 Mathematics</td>
<td>3</td>
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<tr>
<td>C5 Physical and Biological Sciences</td>
<td>3</td>
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<tr>
<td>MUS 106 Applied Voice</td>
<td>1</td>
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</tbody>
</table>

16
Admission to the program requires an audition/interview with departmental faculty. It will be very difficult to complete this program if a student is not admitted prior to the sophomore year.

**SOPHOMORE YEAR**

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMTA 331 Stagecrafts II</td>
<td>3</td>
</tr>
<tr>
<td>CMTA 130 Makeup I</td>
<td>1</td>
</tr>
<tr>
<td>MUS 258 Diction</td>
<td>1</td>
</tr>
<tr>
<td>C4 Wellness</td>
<td>3</td>
</tr>
<tr>
<td>P5 Fine and Performing Arts</td>
<td>3</td>
</tr>
<tr>
<td>P1 Social Sciences</td>
<td>3</td>
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<tr>
<td>MUS 206 Applied Voice</td>
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<tr>
<td>DA 301 Dance Choreog.</td>
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<table>
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<tr>
<td>DA 258 Dance Tech.</td>
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<tr>
<td>P4 Humanities</td>
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<tr>
<td>P3 History</td>
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<td>MUS 206 Applied Voice</td>
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<td><strong>Total</strong></td>
<td><strong>16</strong></td>
</tr>
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**JUNIOR YEAR**

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>CMTA 300 Dramatic Lit./Crit I</td>
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<tr>
<td>ENGL 333 Intro. Shake.</td>
<td>3</td>
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<tr>
<td>CMTA 341 Acting III</td>
<td>3</td>
</tr>
<tr>
<td>CMTA 345 Acting/Camera I</td>
<td>3</td>
</tr>
<tr>
<td>CMTA 350 Directing I</td>
<td>3</td>
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<table>
<thead>
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<th>Hrs.</th>
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<tr>
<td>CMTA 301 Dramatic Lit./Crit II</td>
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<td>Elective</td>
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<tr>
<td>CMTA 346 Acting/Camera II</td>
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<tr>
<td>CMTA 351 Directing II</td>
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</tr>
<tr>
<td>DA 259 Dance Apprec.</td>
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<td><strong>Total</strong></td>
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**SENIOR YEAR**

<table>
<thead>
<tr>
<th>Course and Number</th>
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</tr>
</thead>
<tbody>
<tr>
<td>CMTA 400 History of Theatre I</td>
<td>3</td>
</tr>
<tr>
<td>CMTA 496 Seminar in Prof Dev.</td>
<td>1</td>
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<tr>
<td>P6 World Cultures</td>
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<td>DA 302 Chor. Prod.</td>
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<td>Elective</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
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<thead>
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<th>Course and Number</th>
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Total Hours for Degree: 128

**CURRICULUM GUIDE FOR THEATRE, (MUSICAL THEATRE CONCENTRATION) B.F.A. DEGREE**

**FRESHMAN YEAR**

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<tr>
<th>Course and Number</th>
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<tbody>
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<td>C1 Writing</td>
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<th>Hrs.</th>
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**SOPHOMORE YEAR**

**FALL SEMESTER**

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<thead>
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<tbody>
<tr>
<td>CMTA 331 Stagecrafts II</td>
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<td>MUS 258 Diction</td>
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**SPRING SEMESTER**

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<td>MUS 171 Ensemble</td>
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**JUNIOR YEAR**

**FALL SEMESTER**

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<td>CMTA 341 Acting III</td>
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<td>MUS 118 Fund. Music Theory</td>
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<tr>
<td>MUS 148 Piano</td>
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<td>MUS 218 Music Theory II</td>
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<td>MUS 304 Jazz Appreciation</td>
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<td>DA 301 Dance Choreog.</td>
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<td>MUS 371 Ensemble</td>
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**SENIOR YEAR**

**FALL SEMESTER**

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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.
CURRICULUM GUIDE FOR THEATRE, (COSTUME DESIGN CONCENTRATION) B.F.A. DEGREE

FRESHMAN YEAR

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<td><strong>Course and Number</strong></td>
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<tr>
<td>CMTA 131 Intro. to Theatre</td>
<td>CMTA 231 Stagecrafts I</td>
</tr>
<tr>
<td>C1 Writing</td>
<td>CMTA 140 Acting I</td>
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<tr>
<td>1st Year Seminar</td>
<td>C3 Oral Communication</td>
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<td>CMTA 331 Stagecrafts II</td>
<td>CMTA340 Acting II</td>
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<td>ENGL 333 Intro. Shake.</td>
<td>ART 131 Intro. Drawing</td>
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<td>C4 Wellness</td>
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<td>P5 Fine and Performing Arts</td>
<td>P4 Humanities</td>
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<tr>
<th>JUNIOR YEAR</th>
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<td>CMTA301 Dramatic Lit. &amp; Crit II</td>
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<td>CMTA 437 Costume Des.</td>
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<td>CMTA 337 Costume Tech.</td>
<td>HIST 222 Eur. Hist. since 1517</td>
</tr>
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<td>HIST 221 Eur. Hist. to 1517</td>
<td>P1 Social Sciences</td>
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<tr>
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<td>CMTA 499 BFA Thesis</td>
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Total Hours for Degree: 128
CURRICULUM GUIDE FOR THEATRE, (LIGHTING DESIGN CONCENTRATION) B.F.A. DEGREE

FRESHMAN YEAR

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<td>CMTA 131 Intro. to Theatre</td>
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<td>C1 Writing</td>
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<tr>
<td>1st Year Seminar</td>
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</tr>
<tr>
<td>C2 Mathematics</td>
<td>3</td>
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<tr>
<td>C5 Physical and Biological Sciences</td>
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<td>Course and Number</td>
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<td>CMTA 331 Stagecrafts II</td>
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<td>CMTA 130 Makeup I</td>
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<td>C4 Wellness</td>
<td>3</td>
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<td>P5 Fine and Performing Arts</td>
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JUNIOR YEAR

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<td>CMTA 335 Lighting Tech.</td>
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<td>HIST 221 Eur. Hist. to 1517</td>
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<tr>
<td>P1 Social Sciences</td>
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<tr>
<td>HEAL 250 First Aid/Safety</td>
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<td>P6 World Cultures</td>
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Total Hours for Degree: 128
**CURRICULUM GUIDE FOR THEATRE, (SCENIC DESIGN CONCENTRATION) B.F.A. DEGREE**

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## CURRICULUM GUIDE FOR THEATRE, (TECHNICAL DESIGN CONCENTRATION) B.F.A. DEGREE

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### JUNIOR YEAR

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

### SENIOR YEAR

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Total Hours for Degree: 128
Course Descriptions

Communication and Theatre Arts (CMTA)

102 Theatre Production: Stagecraft (1)
Hands-on participation in the construction/painting of stage scenery. 4 Lab.

103 Theatre Production: Costume (1)
Hands-on participation in the construction of stage costumes and accessories. 4 Lab.

104 The Theatre Experience (3)
Analysis of what the theatre is about, what goes on in the theatre, and what it means to be a viewer. (P5)

130 Makeup (1)
Application of stage makeup.

131 Introduction to Theatre (3)
Survey of theatre profession for beginning majors and minors. 2 Lecture, 2 Lab.

140 Acting I (3)
Introduction to the basic principles of acting.

231 Stagecrafts I (3)
Introduction to theatre crafts and technology. PREQ: 131.

270 Theatre Arts Workshops I (1-3, R6)
Practical experience: performance crews in theatre productions. PREQ: Permission of instructor. 3 lab per credit hour.

300 Dramatic Literature and Criticism I (3)
Dramatic structure, interpretation, and evaluation of masterpieces; Greek period to 1700. PREQ: 131.

301 Dramatic Literature and Criticism II (3)
Dramatic structure, interpretation, and evaluation of masterpieces; 1700 to present. PREQ: 300 or permission of instructor.

310 Black Theatre Experience (3)
The study and performance of theatre and theatrical works related to the African-American experience. (P5)

330 Makeup II (1)
Advanced makeup techniques and makeup design integrating makeup, hair, and wigs. Project oriented. PREQ: 130. 3 Lab.

331 Stagecrafts II (3)
Continuation of CMTA 231 with emphasis on application to production. PREQ: 131, 231.

332 Introduction to Theatrical Design (3)
Principles and practices of design as applied to theatre. Project oriented. PREQ: 331.

333 Scenic Technology (3)
Advanced theory and practice in technology associated with scenic construction, emphasis on preparation for supervision of a basic scene shop. PREQ: 332.

335 Lighting Technology (3)
Advanced theory and practices in technology associated with theatre lighting, emphasis on preparation for supervision of lighting crew. PREQ: 332.

337 Costume Technology (3)
Advanced theory and practice associated with costume construction, emphasis on preparation for supervision of a basic costume shop. PREQ: 332.
340 Acting II (3)
Introduction to character analysis and styles. PREQ: 131, 140.

341 Acting III (3)
Advanced scene work for theatre majors. PREQ: 340.

345 Acting for the Camera I (3)
The art of acting as it relates to the television/film environment. PREQ: 140 or 340.

346 Acting for the Camera II (3)
PREQ: 345.

350 Directing I (3)
Survey and practical application of the basic theories of play directing. PREQ: 131, 140, 231.

351 Directing II (3)

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.

438 Costume and History (3)
Survey of costume/clothing as a statement of personal identity, and as a mirror of society. Ancient world through 20th century.

441 Acting IV (3)
In-depth character analysis and application. PREQ: 341.

483 Internship in Theatre Arts (3, R9)
Work experience in the theatre industry. S/U grading. 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)

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 (2, R4) 
Techniques and style involved in jazz dance. 2 Lab.

257 Dance Performance (1) 
Student must be involved in production sponsored by the department or program. S/U grading.

258 Dance Techniques (2) 
Foundation techniques of basic movement with strong emphasis on dance terminology; barre and floor work. 2 Lab.

259 Dance Appreciation (3) 
Survey of the history of Western concert dance with an emphasis on the cultural, political, and social influences that shape our view of the medium. (P5)

260 Conditioning for Dance (1) 
Conditioning specific to enhancing dance performance to include basic anatomy, muscular/cardiovascular strength, and range of motion/flexibility. Lab.

261 Ballet I (2, R4) 
Intermediate ballet technique. PREQ: 258 or permission of instructor.

262 Modern I (2, R4) 
Intermediate modern dance technique. PREQ: 258 or permission of instructor. Lab.

263 Musical Theatre Dance Forms (1) 
An overview of musical theatre dance forms with an emphasis on the range of styles found in musical theatre choreography. PREQ: 255, 256, 258 or permission of instructor. Lab.

301 Dance Choreography (2) 
Applications of dance technique in creative composition. Involves various types of dance. PREQ: PE 258. 2 Lecture, 1 Lab.

302 Choreography Production (2) 
The development, presentation, and evaluation of choreographic projects designed by individual students. These may include theatrical, school, and community involvement. PREQ: 301. 2 Lecture, 1 Lab.
303 Ballet II (2, R4)

304 Modern II (2, R4)
Intermediate/advanced modern dance technique. PREQ: 262. Lab.

305 Jazz II (2, R4)
Intermediate/advanced jazz technique. PREQ: 256, 261, 262 or permission of instructor. Lab.

306 Tap II (1)
Intermediate/advanced tap rhythms. Progressive and continuous perfecting of the tap dance technique. PREQ: 255 or permission of instructor. Lab.

307 Teaching Methods for Dance (2)
Explores the preparation and execution of a dance technique class. Will include curriculum design, teaching assignments and documentation of student assessment. PREQ: 303, 304, or 305 and 260.
DEPARTMENT OF ENGLISH

For more information and updates, please see department web site: www.wcu.edu/as/english

Elizabeth Addison, head


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

MAJOR IN ENGLISH, B.A. DEGREE

Journalism Concentration

Liberal Studies, 42 hours

The major requires 48 hours as follows:

ENGL 251 Survey of English Literature I, 3 hours
ENGL 252 Survey of English Literature II, 3 hours
ENGL 261 Survey of American Literature I, 3 hours
ENGL 262 Survey of American Literature II, 3 hours
ENGL 307 Professional Editing and Publishing, 3 hours
ENGL 389 Cooperative Education: Professional Writing, 1 or 3, R15 hours or ENGL 483 Writing Internship, 3 hours
ENGL 497 Senior Seminar in Writing, 3 hours
CIS 293 Topics in Computer Information Systems, 1-3, R3 hours
CMCR 140 Introduction to Communication Media, 3 hours
CMCR 301 Writing for Communication Media, 3 hours
CMCR 465 Communications Ethics and Responsibilities, 3 hours
CMPM 302 Reporting of Public Affairs, 3, R6 hours
MFL 231, 232 or 240, 6 hours

6 hours selected from:
ENGL 306 Nonfiction Writing, 3 hours
ENGL 312 Grammar for Teachers, 3 hours
ENGL 412 Grammar for Writers, 3 hours
CMPM 303 Advertising and Public Relation Writing, 3 hours
CMPM 304 Magazine and Feature Writing, 3 hours
CMPM 305 Sports Writing, 3 hours
CMPM 493 Selected Topics in Print Media, 3, R9 hours

To complete the program, a total of 30 hours is required, including a minor, second major, or other approved program and general electives. Students must take at least 32 hours at the junior-senior level at WCU in order to satisfy general university degree requirements.
### CURRICULUM GUIDE FOR ENGLISH (JOURNALISM CONCENTRATION), B.A. DEGREE

#### FRESHMAN YEAR

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#### SOPHOMORE YEAR

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<td>P3 History</td>
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<td>ENGL 251</td>
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<td>ENGL 307 Prof. Editing &amp; Publishing</td>
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<td>ENGL 389/483 Cooperative Education</td>
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**Total Hours for Degree: 120**

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

Literature Concentration

Liberal Studies, 42 hours

The major requires 42 hours as follows:

MFL 231, 232 or 240, 6 hours
ENGL 231 The Interpretation of Literature, 3 hours
ENGL 251 Survey of English Literature I, 3 hours
ENGL 252 Survey of English Literature II, 3 hours
ENGL 261 Survey of American Literature I, 3 hours
ENGL 262 Survey of American Literature II, 3 hours
ENGL 496 Seminar in Comparative Literature, 3 hours

15 hours of 300-400 level literature courses as selected by the student and advisor.

3 hours selected from:
ENGL 389 Cooperative Education: Professional Writing, 3 hours
ENGL 401 Writing for Careers, 3 hours
ENGL 483 Writing Internship, 3 hours

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

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

FRESHMAN YEAR

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</table>
### MAJOR IN ENGLISH, B.A. DEGREE

#### Professional Writing Concentration

**Liberal Studies, 42 hours**

The major requires 42 hours as follows:

- MFL 231, 232 or 240, 6 hours
- ENGL 231 The Interpretation of Literature, 3 hours
- ENGL 251 Survey of English Literature I, 3 hours
- ENGL 252 Survey of English Literature II, 3 hours
- ENGL 303 Introduction to Professional Writing, 3 hours
- ENGL 307 Professional Editing and Publishing, 3 hours
- ENGL 389 Cooperative Education: Professional Writing, 3 hours or ENGL 483 Writing Internship, 3 hours
- 12 hours selected from:
ENGL 304 Writing for Electronic Environments, 3 hours
ENGL 305 Technical Writing, 3 hours
ENGL 306 Nonfiction Writing, 3 hours
ENGL 308 Fiction Writing, 3, R6 hours
ENGL 309 Poetry Writing, 3, R6 hours
ENGL 310 Screenwriting, 3 hours
ENGL 313 Authoring Multimedia, 3 hours
ENGL 401 Writing for Careers, 3 hours
ENGL 405 Advanced Creative Writing, 3 hours
ENGL 412 Grammar for Writers, 3 hours or ENGL 312 Grammar for Teachers, 3 hours
ENGL 493 Topics in Creative Writing, 3 hours

And 6 hours selected from 300-400 level literature courses.

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

CURRICULUM GUIDE FOR ENGLISH (PROFESSIONAL WRITING CONCENTRATION), B.A. DEGREE

FRESHMAN YEAR

FALL SEMESTER
Course and Number Hrs. SPRING SEMESTER
Course and Number Hrs.
ENGL 101 Composition I 3 ENGL 102 Composition II 3
MATH 101 Mathematical Concepts 3 CMHC 201 Communication 3
190 Series First Year Seminar 3 HEAL or HSCC 123/101 Wellness 3
C5 Physical & Biological Sciences 3 C5 Physical & Biological Sciences 3
MFL 101 Spanish/French/German 3 MFL 102 Spanish/French/German 3
JS 101 Jumpstart 0
15
15

SOPHOMORE YEAR

FALL SEMESTER
Course and Number Hrs. SPRING SEMESTER
Course and Number Hrs.
ENGL 303 Intro to Pro Writing 3 P1 Social Science 3
P1 Social Science 3 MFL 231 Language 3
P3 Humanities 3 CMCR250 Public Communication 3
P5 Fine & Performing Arts 3 ENGL 252 Survey of Brit. Lit. II 3
ENGL 231 Interpretation of Lit. 3 ENGL Pro Writing Elective 6
15
18

JUNIOR YEAR

FALL SEMESTER
Course and Number Hrs. SPRING SEMESTER
Course and Number Hrs.
MFL 232 Language 3 ENGL 307 Pro Publishing and Editing 3
ENGL Pro Writing Elective Fiction/Poetry/Screen/Nonfiction, etc. 3 ENGL 496 Sem. in Comp. Cultures 3
ENGL 251 Survey of Brit. Lit. I 3 P4 Jr-Sr Humanities 3
ENGL 300/400 Elective Engl. Lit. 3 General Elective 3
General Elective 3 Minor 4
15
16
After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

**SENIOR YEAR**

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<td>ENGL 389/483 Cooperative Educ.</td>
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<td>ENGL Pro Writing Elective</td>
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<td>ENGL 300/400 Elective in English Lit.</td>
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<td>ENGL Any English not completed</td>
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**Total Hours for Degree: 120**

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

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

**MAJOR IN ENGLISH, B.A. DEGREE**

Motion Picture Studies Concentration

Liberal Studies, 42 hours

The major requires 39 hours as follows:

MFL 231, 232 or 240, 6 hours

Motion Picture Studies Core (21 hours):
ENGL 231, The Interpretation of Literature, 3 hours
ENGL 278, Introduction to Film Studies, 3 hours
ENGL 308 Fiction Writing, 3 hours
ENGL 310, Screenwriting, 3 hours
ENGL 378, Film History, 3 hours
ENGL 468, Film Studies, 3 hours
ENGL 478, Film as Literature, 3 hours

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

To complete the program, a total of 39 hours is required, including a minor, second major, or other approved program and general electives. Students must take at least 32 hours at the 300-400 level at WCU to satisfy general university degree requirements.
CURRICULUM GUIDE FOR ENGLISH (MOTION PICTURES STUDIES CONCENTRATION), B.A. DEGREE

FRESHMAN YEAR

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<tr>
<th>FALL SEMESTER</th>
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<th>Hrs.</th>
<th>SPRING SEMESTER</th>
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<tr>
<td></td>
<td>ENGL 101 Composition I</td>
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<td>ENGL 102 Composition II</td>
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<td>MATH 101 Mathematical Concepts</td>
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<td>CMHC 201 Speech Communication</td>
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<td>190 Series First Year Seminar</td>
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<td>HEAL or HSCC 123/101 Wellness</td>
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<td>C5 Physical &amp; Biological Sciences</td>
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SOPHOMORE YEAR

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<tr>
<td></td>
<td>ENGL 231 The Inter. of Liter.</td>
<td>3</td>
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<td>P1 Social Sciences</td>
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<td></td>
<td>ENGL 278 Intro. of Film Studies</td>
<td>3</td>
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<td>P5 Fine and Performing Arts</td>
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<td>P1 Social Sciences</td>
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<td>MFL 232 Intermediate For. Lang. II</td>
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<td>MFL 231 Intermediate For. Lang.</td>
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<td>ENGL 308 Fiction Writing</td>
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<td>P3 History</td>
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<td>ENGL 310 Screenwriting</td>
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JUNIOR YEAR

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<tr>
<td></td>
<td>P4 Junior/Senior Humanities</td>
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<td>ENGL 468 Film Studies</td>
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<td>ENGL 378 Film History</td>
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<td>ENGL 478 Film as Literature</td>
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<td></td>
<td>PAR 309 Philosophy In and of Film</td>
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<td></td>
<td>CMEM 351 Comm. Stud. in Film-TV</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

SENIOR YEAR

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<th>FALL SEMESTER</th>
<th>Course and Number</th>
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<td></td>
<td>ENGL 331 Literary Theory</td>
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<td>ENGL 405 Advanced Creative Writ.</td>
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Total Hours for Degree: 120
MAJOR IN ENGLISH, B.S.ED. DEGREE

Liberal Studies, 42 hours

The major requires 51 hours as follows:

CMCR 250 Public Communication, 3 hours
MFL 231, 232 or 240, 6 hours
ENGL 231 The Interpretation of Literature, 3 hours
ENGL 251 Survey of English Literature I, 3 hours
ENGL 252 Survey of English Literature II, 3 hours
ENGL 261 Survey of American Literature I, 3 hours
ENGL 262 Survey of American Literature II, 3 hours
ENGL 278 Introduction to Film Studies or ENGL 478 Film as Literature, 3 hours
ENGL 312 Grammar for Teachers, 3 hours
ENGL 319 The Teaching of Grammar, 3 hours
ENGL 414 Fundamentals of Teaching Composition, 3 hours

3 hours from either ENGL 411: The History of the English Language or ENGL 416: Teaching English as a Second Language

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

Electives (3 hours) from ENGL 365: African American Literature, ENGL 366: Literature of American Immigration; ENGL 367: Appalachian Literature, ENGL 464: Native American Literature, ENGL 477: Literature and Gender.

Electives (3 hours) from ENGL 390: The Bible as Literature, ENGL 421: Fairy Tale Literature, ENGL 470: Twentieth Century Commonwealth, ENGL 496: Seminar in Comparative Cultures

Electives (3 hours) from ENGL 420: Chaucer and His Age, ENGL 431: Shakespeare and His Age, ENGL 440: Milton and His Age, ENGL 450: Major American or Major British Writers

The professional education sequence (29 hours) for secondary and special subject teaching is 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 requirements.

Students must maintain a minimum 2.75 GPA in the major, and no grade below a C (2.0) for any required course in the major (applies to the English courses listed above and EDEL 467) will be accepted.

Minors

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

Minor in Creative Writing
The minor requires 18 hours, including 12 hours selected from the following courses: ENGL 303, 308, 309, 310, 405, 493, 497; and 6 hours of literature courses, exclusive of those approved for 100-200 level liberal studies credit. (Not open to those pursuing the B.A. in English with a concentration in Professional Writing)

Minor in English
The minor requires 18 hours of English courses, exclusive of ENGL 300 and those approved for 100-200 level liberal studies credit.
Minor in Film Studies
The minor requires 18 hours, including ENGL 278 and ENGL 378, and 12 hours selected from the following courses: ENGL 310, 467, 468, 478, CMEM 351, 451, PHIL 309, and REL 309.

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

Minor in Literature
The minor requires 18 hours of literature courses, exclusive of those approved for 100-200 level liberal studies credit. (Not open to those pursuing the B.A. in English with a concentration in literature)

Minor in Professional Writing
The minor requires 18 hours, including 12 hours selected from the following courses: ENGL 303, 304, 305, 306, 307, 308, 309, 312, 389, 401, 405, 483, 493, 497; and 6 hours from any English course, exclusive of ENGL 300 and those approved for 100-200 level liberal studies credit. (Not open to those pursuing the B.A. in English with a concentration in professional writing)

CURRICULUM GUIDE FOR ENGLISH, B.S.ED DEGREE

FRESHMAN YEAR

FALL SEMESTER | SPRING SEMESTER
--- | ---
Course and Number | Hrs. | Course and Number | Hrs.
C1 ENGL 101 Composition I | 3 | C1 ENGL 102 Composition II | 3
C2 MATH 101 Math. Concepts | 3 | C3 CMHC 201 Communication | 3
190 series First Year Seminar | 3 | C5 100 level Science options | 3
C5 or P3 100 Science or Social Sci. | 3 | MFL 102 Spanish/French/German | 3
MFL 101 Spanish/French/German | 3 | C4 or P1 100 Wellness or Social Sci. | 3
15 | 15

SOPHOMORE YEAR

FALL SEMESTER | SPRING SEMESTER
--- | ---
Course and Number | Hrs. | Course and Number | Hrs.
EDCI 231 Hist., Social, & Phil. Foundations Of Education | 3 | P1 Social Science | 3
C4 or P1 Wellness or Social Science | 3 | P6 MFL 231 World Cultures | 3
P4 or P3 History or Humanities | 3 | ENGL 312 Grammar for Teachers | 3
P5 Fine & Performing Arts | 3 | CMCR 250 Public Communication | 3
ENGL 231 Interpretation of Lit. | 3 | ENGL 252 Survey of Brit. Lit. II | 3
ENGL 252 Survey of Am. Lit. II | 3
15 | 18

JUNIOR YEAR

FALL SEMESTER | SPRING SEMESTER
--- | ---
Course and Number | Hrs. | Course and Number | Hrs.
MFL 232 2nd sem. Int. level lang. | 3 | PSY 322 Adolescent Psy. | 3
EDSE 322 Prin. /Meth. of Teach. | 2 | ENGL 414 Fund. of Teaching Comp. | 3
ENGL 251 Survey of Brit. Lit. I 3
ENGL 261 Survey of Am. Lit. I 3
ENGL 365 or 367 or 464 or 477 3
Multicultural Literature category
ENGL 278 or 478 Film and Liter. or Intro. to Film Studies 3

ENGL 390 or 421 or 470 or 496 3
World Cultures Category
ENGL 319 The Teaching of Grammar 3
EDEL 467 Adolescent Lit. 3
ENGL 420, 431, 440, or 450 Major 3
Figures

Total Hours for Degree: 122

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

Course Descriptions

English (ENGL)

101 Composition I (3)
First semester of a yearlong study. Approaches composition as a process and product. Emphasis on writing as a tool for reading, thinking, and communicating. (C1)

102 Composition II (3)
Second semester of a yearlong study. Builds on rhetorical activities in ENGL 101, with more demanding emphasis on research methods and projects. (C1)

Note: ENGL 101 and 102 must be taken and passed in sequence.

131 American English for Non-Native Speakers I (3)
Prepares students for the required composition courses (101 and 102). Exceptional performance in 131 may, if criteria are met, result in a waiver for 101.

132 American English for Non-Native Speakers II (3)
A specialized writing and mechanic skills class providing further preparation for composition courses. Exceptional performance and satisfaction of other criteria may result in waiver of 101.

190 Freshman Seminar in Literature (3)
Reading and writing about literature, with emphasis on human experience and values.

191 Freshman Seminar in Creative Writing (3)
Allows students to explore, practice, and discuss their creative writing, with emphasis on one or more of the following: poetry, fiction, creative nonfiction, and screenwriting.

204 The Literature of Culture (3)
The study of a variety of nonwestern cultures through their literature. Emphasis on such issues as religion, gender and family, economics, and social organization. (P6)
205 Introduction to Language (3)
An examination of the structure and sound system of language and its impact on human behavior at the individual and group level.

206 Literature of Place (3)
Liberal studies of literature of place, focusing on one general locations—such as Appalachia, South, West—or pairing of related places, such as urban-suburban. (P4)

207 Popular Literature and Culture (3)
Examines various popular literary genres, including gothic, popular romances, mysteries, westerns, science-fiction and fantasy, children's literature, film, television, and the Internet. (P4)

209 Past Times: Literature and History (3)
Focuses upon the relationship between literature of the past and historical events, historical documents, and the events and texts of our time. (P4)

231 The Interpretation of Literature (3)
An introduction to the close reading of poetry, fiction, and drama, emphasizing theme, structure and form, figurative language, and style. Introduction to major critical approaches. (P4)

232 Introduction to Mythology (3)
The basic Greek and Roman myths: their origins, their manifestations in the great classical epics, and their variations in the works of later authors.

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.

290 Literature and the Sacred (3)
Themes, images, and concepts of the Sacred in literature such as the Bible, myths of origin, Native American sacred stories, or Metaphysical poetry. (P4)

300 Foundation Composition (3)
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.

307 Professional Editing and Publishing (3)
Advanced practicum in student's chosen area in professional writing; editing practices and production; copyright and libel law. PREQ: 101 and 102.

308 Fiction Writing (3, R6)
Study and practice of technique and form in fiction writing; workshop discussion of students' stories and assigned exercises; original work and revision.

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.

310 Screenwriting (3)
Introduction to writing teleplays and screenplays; preparation of original manuscripts for agents. PREQ: 101 and 102.

312 Grammar for Teachers (3)
The grammar of standard American English. For students who wish to pursue careers in teaching English and language arts.

313 Authoring Multimedia (3, R6)
Applying the principles of clear professional writing to the creation of multimedia communications that incorporate text, art, audio, and video.

319 The Teaching of Grammar (3)
Strategies for and application of the concepts of grammar and language in the teaching of English. PREQ: 312.

331 Literary Theory (3)
Study of literary theory's most compelling issues and current schools of thought: Deconstruction, Feminism, Psychoanalysis, New Historicism, Marxism, Race and Ethnicity, Post-colonial, Ecocriticism.

333 Introduction to Shakespeare (3)
General survey of Shakespeare's life, times, and most popular plays.

350 The Renaissance (3)
Examines the Renaissance: the rise of religious debate, print culture, humanist philosophies, voyages of discovery, and the effect these had on art and literature. PREQ: 101 and 102. (P4)

351 The Beats, Radicals, and Avant-Garde Literature (3)
An examination of the literature of the Beat movement and other radical, avant-garde, and protest movements to determine how disenfranchised groups change cultural perceptions. PREQ: 101 and 102. (P4)

352 The Journey in Literature (3)
Examines literature with the journey as its focal point, both in short pieces like poems and short stories as well as in longer, epic works. PREQ: 101 and 102. (P4)

364 Southern Literature (3)
A survey of the literature of the South from its beginnings to the present with particular emphasis on cultural and historical themes of the region. (P4)

365 African-American Writings (3)
A survey of writings by African-American authors, from the earliest slave narratives through contemporary fiction and nonfiction.
366 Literature of American Immigration (3)
Examines the literature by and about US immigrants or their descendents. (P6)

367 Appalachian Literature (3)
A survey of the poetry, fiction, and nonfiction works from the Southern Appalachian region with particular emphasis on cultural and historical themes of the region. PREQ: 101 and 102. (P4)

370 The Short Story (3)
History and development of the short story in Western literature.

378 Film History (3)
An introduction to the key stages in the history of narrative film and its development as an artistic and cultural phenomenon in the twentieth century.

389 Cooperative Education: Professional Writing (1 or 3, R15)
PREQ: 303. See Cooperative Education Program.

390 The Bible as Literature (3)
The Bible as literature examines key portions of the Bible, exploring its array of subjects and themes, and of literary styles and genre. PREQ: 101 and 102. (P4)

401 Writing for Careers (3)
Theory and application of rhetoric in professional communication; emphasis on triad of author, subject, and audience. Practical assignments: memos, letters, resumes, reports, and persuasive messages.

405 Advanced Creative Writing (3)
Intensive study and practice of creative writing; emphasis on required individual projects. PREQ: Satisfactory writing sample and permission of instructor.

411 History of the English Language (3)
Origins and development of the English language from the beginnings to the present.

412 Grammar for Writers (3)
The grammar and editorial practices of standard American English. For students who wish to explore careers in writing.

414 Fundamentals of Teaching Composition (3)
Theoretical and practical basis for designing and teaching composition course; analysis of rhetorical, cognitive, and linguistic approaches. Practical, research-based techniques and issues. Offered every spring semester.

415 Linguistics (3)
Introduction to sound systems, word systems, sentence patterns; social/regional dialects; psycholinguistics; child/adult language acquisition; historical linguistics; linguistic reconstruction; neurolinguistics; pragmatics, language typology.

416 Teaching English as a Second Language (3)

417 Methods for Teaching English (3)
Methods, materials, curriculum, and trends in teaching in the secondary schools. PREQ: EDSE 322; admission to the teacher education program.

420 Chaucer and His Age (3)
Chaucer's major poetry; emphasis on Troilus and Criseyde and The Canterbury Tales; selected readings from the works of contemporaries.

421 Fairy Tale Literature (3)
The genre of the fairy tale: its structure and theme; its influence on children's literature as well as mainstream literature.
430 English Literature of the Renaissance (3)
Representative Tudor and Jacobean prose and nondramatic poetry.

431 Shakespeare and His Age (3)

440 Milton and His Age (3)
Milton's major poems; selections from his prose; readings from works of contemporaries.

441 The Age of Pope, Swift, and Johnson (3)
Selections from the works of Pope, Swift, Johnson, and their contemporaries.

450 Major American and British Writers (3, R9)
Selected works of one or more important authors from a single historic period.

451 Nineteenth-Century British Writers (3)
The poetry and fiction of the major Romantic and Victorian authors, including Wordsworth, Coleridge, Keats, Shelley, Tennyson, Browning, Arnold, and Dickens.

455 The English Novel (3)
Selected eighteenth- and nineteenth-century novels of such writers as Defoe, Richardson, Fielding, Smollet, Austen, Scott, Dickens, Thackeray, and Hardy.

463 American Literature Since 1945 (3)
Post-World War II American literature and its influences from other nationalities, especially those of Latin America and Canada.

464 Native American Literature (3)
Ancient oral tradition and contemporary works. Perceptions of culture, environment, and time observed in “old ways” stories; how influences emerge in “new way” poetry and fiction.

467 Film Genres (3, R6)
An introduction to several film genres or an intensive exploration of one film genre—such as comedy, horror, science fiction, documentary, or musical.

468 Film Studies (3, R6)
Focus on a narrower area of film study, such as a specific direction, period of film history, or nationality of filmmakers.

470 Twentieth-Century Commonwealth Literature (3)
Poetry, fiction, and drama from the most prominent writers in those countries in which English is a common medium for literature.

471 Modern Poetry (3)
Developments in poetry, forms, and readership. Frost, Yeats, Hardy, Pound, Eliot, Moore, Neruda, Sexton, Plath, Rich, Lowell, Brooks, etc. examined in context of current criticism.

472 Modern Fiction (3)
How modern texts move away from traditionally “representational” ways of developing plot, character, setting, and point of view. Works examined in context of current criticism/theory.

473 Modern Drama (3)
Introduction to major figures of theatrical production from 1875 to contemporary; from realistic social dramas to surrealist dream plays. Includes “acting out” and field trips.

475 The American Novel (3)
Selected novels of major American writers.

477 Literature and Gender (3)
Study of literature by or about women; the relationship of men and women in literature; feminist issues from a literary perspective.

478 Film as Literature (3, R6)
A focused study of common literary and/or philosophical themes, such as existentialism, romanticism, naturalism, realism, views of America, or family relationships.
479 Studies in Literature (3, R6)
Topics vary.

480 Studies in English (1-3, R6)
Independent study/directed research in English. PREQ: Permission of instructor and department head.

483 Writing Internship (3, 3, 3)
484 Practical experience in a writing-related setting. S/U grading. PREQ: 303. 9 hours per week per course.

491 Supervised Student Teaching in English, 9-12 (3)
A full-time supervised teaching experience in English. COREQ: EDSE 490, 495.

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.

494 Special Topics in Advanced American English for Non-Native Speakers (1, R6)
An advanced academic writing skills class for upper level undergraduates whose native language is not English. Focus will be both on rhetorical style and on mechanics (grammar and punctuation). Credit not applicable toward hours for graduation.

496 Seminar in Comparative Literature (3)
World literature in translation.

497 Senior Seminar in Writing (3)
Capstone course for journalism and professional writing concentrations. Minors in creative writing, journalism, and professional writing may be admitted with instructor’s permission. PREQ: Senior standing.

498 Senior Seminar in Literature (3)
Capstone course for the literature concentration. PREQ: Senior standing.

Graduate Courses
501 Writing for Careers (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)
603 Writing for the Marketplace (3)
604 Writing for Electronic Environments (3)
605 Technical Writing for Business and Industry (3)
606 Nonfiction Writing (3)
607 Breaking into Publishing (3)
608 Fiction Writing (3)
609 Poetry Writing (3)
610 History of Rhetoric (3)
611 Mountain Area Writing Project (6)
612 The Mountain Area Writing Project (Level 2) (3)
613 Stylistics (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)
625 Applied Phonetics and Pronunciation Teaching (3)
630 The Bible as Literature (3)
631 Shakespeare (3)
632 Renaissance Literature (3)
635 Teaching Grammar, Reading and Writing to ESL Students (3)
641 Milton (3)
642 Seventeenth-Century Poetry and Prose (3)
643 Literature of the Enlightenment (3)
645 Second Language Acquisition and TESOL Methodology (3)
651 Romantic Literature (3)
652 Victorian Literature (3)
653 Nineteenth-Century British Fiction (3)
655 Professional Development of the ESL Teacher (3)
660 Early American Literature through Romanticism (3)
661 American Realism through Modernism (3)
662 American Post-Modern Literature (3)
670 Early Twentieth-Century British Literature (3)
671 Late Twentieth-Century British Literature (3)
672 Twentieth-Century Genre (3)
673 World Literature (3)
676 Pre-Twentieth-Century Criticism and Theory (3)
677 Twentieth-Century Literary Criticism and Theory (3)
693 Special Topics in English (3, R6)
699 Thesis Research (3, R12)
779 Continuing Research—Non-Thesis Option (1, R10)
799 Continuing Research—Thesis Option (2, R24)
MAJOR IN GEOGRAPHY, B.S. DEGREE

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

MAJOR IN GEOLOGY, B.S. DEGREE

Liberal Studies, 42 hours

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

**Core, 29 hours**

GEOL 150 Methods in Geology, 4 hours
GEOL 155 Historical Geology, 4 hours
GEOL 250 Introduction to the Rock Forming Minerals, 3 hours
GEOL 305 Soils and Hydrology or GEOL/GEOG 302, Geomorphology, 4 hours
GEOL 355 Petrology, 3 hours
GEOL 371 Structural Geology, 4 hours
GEOL 422 Sedimentation and Stratigraphy, 4 hours
Capstone course such as a research project, senior thesis, or senior research seminar, 3 hours

**Environmental Hydrology Concentration, 35 hours**

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

**Solid Earth Concentration, 35 hours**

MATH 145, 146, and 153 (10 hours) or MATH 140 and 270 (8 hours)
CHEM 140 Advanced General Chemistry, 4 hours
PHYS 130 or 230 Introductory or General Physics I, 4 hours
CHEM 232 Quantitative Analysis, 3 hours, or PHYS 131 or PHYS 231 Introductory or General Physics II, 4 hours
GEOL 356 Advanced Petrology, 2 hours or GEOL 471 Tectonics, 3 hours
*Upper-level electives in sciences or mathematics courses approved by advisor, 10 to 14 hours.*

**Interdisciplinary Concentration, 35 hours**

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

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

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

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

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

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>Hrs.</th>
<th>SPRING SEMESTER</th>
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<tr>
<td>GEOL 150 Methods in Geology</td>
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<td>MATH 145 Trigonometry</td>
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</table>

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SOPHOMORE YEAR

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<td>CHEM 140 Advanced Gen. Chem.</td>
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<td>MATH 146 Analytical Geometry</td>
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<td>MATH 153 or 170 Calculus or Stat.</td>
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JUNIOR YEAR

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<td>GEOL 405 Hydrogeology</td>
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<td>GEOL 371 Structural Geology</td>
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<td>GEOL 355 Petrology</td>
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<td>PHYS 130 or 230 Intro. or Gen. Phys.</td>
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<td>P6 World Cultures</td>
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<td>General Elective</td>
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</table>
After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

**SENIOR YEAR**

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<td>GEOL Capstone</td>
<td>General Elective</td>
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<tr>
<td>PHYS 230 or 231 Physics</td>
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<td>General Electives</td>
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<td><strong>Total Hours for Degree:</strong> 128</td>
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</table>

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**CURRICULUM GUIDE FOR GEOLOGY (INTERDISCIPLINARY CONCENTRATION), B. S. DEGREE**

**FRESHMAN YEAR**

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<tr>
<td><strong>Course and Number</strong></td>
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<td>GEOL 150 Methods in Geology</td>
<td>GEOL 155 Historical Geology</td>
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<tr>
<td>190 series First year Seminar</td>
<td>MATH 130 or 145 Coll. Alge. or Stat.</td>
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<td>CMHC 201 Communication</td>
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### CURRICULUM GUIDE FOR GEOLOGY (SOLID EARTH CONCENTRATION), B.S. DEGREE

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<td>CHEM200 + elective</td>
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<tr>
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<td>4</td>
<td>GEOL 250 Rock Forming Minerals</td>
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<td>P5 Fine &amp; Performing Arts</td>
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**Course Descriptions**

**Geography (GEOG)**

**101 Population Geography (3)**
Analysis of global patterns of human population. Population composition, fertility/mortality, migration are considered. Theories of population change and environmental impacts. (P1)

**103 Cultural Geography (3)**
Interrelations of man, earth, and culture; the geography of race, language, religion; political and economic patterns; population growth and movements. (P6)

**150 Environmental Geography (3)**
Survey of man's physical habitat, including weather and climate, soils, vegetation, and landforms; emphasis on phenomena that most influence man.

**300 Weather and Climate (4)**
Meteorology (temperature, humidity, pressure, precipitation, winds, radiation); global heat budget, CO₂ cycle, jet stream, air masses, fronts, storms; global distribution of climate. 3 Lecture, 2 Lab.

**302 (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)**

**321 Geographic Information Systems (3)**
Principles and methods of geographic information systems. Discussion of spatial data, analysis, and display. Use of an operational geographic information system.

**322 Cartography (4)**
Map design and construction; basic projects, data gathering, and display methods. PREQ: Permission of instructor. 2 Lecture, 6 Lab.

**324 Introduction to Remote Sensing (4)**
Interpretation and applications of remote sensing; satellite and aerial imagery, elementary photography, stereoscopic viewing, and photomapping. PREQ: 150 or permission of instructor; GEOL 150 desirable. 3 Lecture, 2 Lab.

**350 Economic Geography (3)**
Principles governing world distribution and production of economic and natural resources.
389 Cooperative Education in Geography (1 or 3, R15)
See Cooperative Education Program.

400 Natural Regions of North America (3)
Regions of the United States and Canada; landforms, geology, climates, soils, vegetation, water; emphasis on features most affecting man. PREQ: 150 or GEOL 150.

402 Conservation of Natural Resources (3)
Quantity, quality, and distribution of resources in the United States; dilemma of increasing demand on a dwindling resource base.

424 Advanced Remote Sensing (3)
Interpretation and application of remotely sensed data on the earth’s physical and cultural environments; major project required. PREQ: Permission of instructor. 6 Lab.

440 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). Only three hours may count toward liberal studies credit. (P6)

441 Geography of Appalachia (3)
Physical, economic, and cultural aspects of the Appalachian Region. Analysis of locational patterns of environmental and human characteristics. PREQ: Junior/senior standing.

444 Political Geography (3)
Territorial and cultural elements in the formation of national and international boundaries; case studies.

460 Urban and Regional Land Use Planning (3)
Principles and practices of urban regional planning; types of planning reports; applications to North Carolina. PREQ: Permission of instructor.

462 Introduction to Urban Geography (3)
Study of the spatial structure and function of urban places; theories of city origin and growth.

464 Industrial Location and Community Development (3)
Measures of manufacturing; location theory; decision-making factors in the location of industry; community development planning practices. PREQ: 350 or permission of instructor.

483 Internship in Geography (3, 3, 3)
484 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.

495 Senior Seminar in Geography (3)
Readings in historical/philosophical foundations and currents topics in geography. Written and oral presentation of student research. PREQ: Senior standing or permission of instructor. 3 Seminar.

Graduate Courses
502 Conservation of Natural Resources (3) 564 Industrial Location and Community Development (3)
540 Topics in Regional Geography (3, R12) 591 Topics in Geography (1-3, R6)
544 Political Geography (3) 593 Special Problems (1-3, R6)
560 Urban and Regional Land Use Planning (3) 693 Special Problems in Geography (3, R6)
562 Introduction to Urban Geography (3)
Geology (GEOL)

140 Investigations in Environmental Geology (3)
Class will conduct a holistic investigation of a problem in environmental geology using basic principles and methods of science and geology; investigation topics will vary. (C5)

150 Methods in Geology (4)
Topics related to earth materials and solid and surficial earth processes explored through field, analytical, and computing methods, developing investigation and communication skills. 3 Lecture, 3 Lab. (C5)

155 Historical Geology (4)
Major events and changes in life forms in North American geological history; fossils, ancient environments, and geologic interpretation. 3 Lecture, 2 Lab.

191 Geology, Landscapes, and the Human Psyche (3)
How the physical world determines the appearance, climate, and ecology of our planet and how this physical landscape reflects a region's history, literature, and human ecology.

250 Introduction to the Rock Forming Minerals (3)
Descriptive mineralogy emphasizing hand specimen identification of common rock forming minerals, occurrences, associations, crystallization, and classification; includes topics in crystallography, crystal chemistry and optical mineralogy. PREQ: 140 or 150 and CHEM 132 or 140. 2 Lecture, 2 Lab.

260 Oceanography (3)
Interdisciplinary study of the ocean through an examination of its physical, biological, and chemical processes. PREQ: Any 100 level biology, chemistry, or geology course.

302 (GEOG 302) Geomorphology (4)

305 (GEOG 305) Soils and Hydrology (4)
Soil genesis, properties, and classification; the hydrologic cycle; surface runoff and groundwater; water budgets and water quality; management of soils and water. PREQ: Permission of instructor. 3 Lecture, 2 Lab.

330 (PHYS 330) Geophysics (4)
The physics of the Earth. Topics include theory and applications of gravity, magnetics, electricity, and seismicity to environmental and tectonic problem-solving in geology. Field-oriented lab problems and applications. PREQ: PHYS 130 or 230. COREQ: PHYS 131 or PHYS 231. 3 Lecture, 3 Lab.

355 Petrology (3)
Introduction to igneous, sedimentary, and metamorphic rock genesis and their environments of formation; includes hand specimen and optical identification and fieldwork. PREQ: 250. 2 Lecture, 2 Lab.

356 Advanced Petrology (2)
Petrogenesis of igneous and metamorphic rocks using geochemistry and phase equilibria studies of mineral assemblages under various temperature-pressure conditions. COREQ: GEOL 355.

371 Structural Geology (4)
Descriptive structural geology; emphasis on outcrop and regional scale deformational features; use of maps and graphic techniques in structural analysis. PREQ: 250 and two 100 level geology courses. Field trips. 3 Lecture, 3 Lab.

389 Cooperative Education in Geology (1 or 3, R15)
See Cooperative Education Program.

393 Special Problems in Geology (1-4, R6)
Supervised research that includes a final oral presentation. Research requirements will vary with credit. PREQ: Permission of instructor.
405 Hydrogeology (4)  
Overview of basic principles and methods of hydrogeology with emphasis on groundwater, groundwater-surface water interactions, geologic controls, water chemistry, field investigations, and environmental problems. PREQ: GEOL/GEOG 305 or GEOL/GEOG 302 or permission of instructor.

410 Fluvial Geomorphology (3)  
Survey of channel hydraulics, sediment transport and deposition, and channel responses to natural and anthropogenic disturbances; emphasizes factors controlling channel form and process.

422 Sedimentation and Stratigraphy (4)  
The origin and interpretation of sedimentary rocks, the study of depositional environments, and the use of layered rocks in the interpretation and synthesis of the geologic record. Field trips. PREQ: 140 or 150 and 155. 3 Lecture, 2 Lab.

423 Contaminated Rivers: Assessment, Remediation, and Restoration (3)  
Survey of trace metal transport and fate in riverine environments and their potential impacts on ecosystem and human health; emphasizes remediation techniques.

455 Wetlands (3)  
Wetland science and management with an emphasis on physical processes and field techniques. PREQ: Junior/senior standing or permission.

471 Tectonics (3)  
History and development of tectonic concepts; geometry and kinematics of plate mosaic; evolution of modern and ancient orogenic belts. PREQ: 355, 371; or permission of instructor. Field trips. 2 Lecture, 2 Lab.

491 Topics in Geology (1-4, R8)  
Special course explores a current topic in geology or environmental geology. PREQ: Junior standing or permission of instructor.

495 Senior Seminar in Geology (3)  
Investigations of problems in geology and environmental geology. Written and oral presentations of student research. PREQ: Senior standing or permission of instructor.

499 Senior Thesis (2-4, R6)  
An original research project culminating in a written thesis and public presentation of results. Projects may last 1 or 2 semesters. Senior standing. PREQ: Permission of instructor. 4 Lab.

Graduate Courses

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<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
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<td>Remediation, and Restoration</td>
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<td>Topics in Geology</td>
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<td>693</td>
<td>Topics in Geology</td>
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MAJOR IN NATURAL RESOURCES MANAGEMENT, B.S. DEGREE

Liberal Studies, 42 hours

The major requires 75 hours, including 54 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
- CHEM 132 Introductory Chemistry, 4 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
MATH 130 College Algebra, 3 hours
MATH 170 Applied Statistics, 3 hours
MGT 300 Introduction to Management, 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

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

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

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

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

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

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Hrs.</th>
<th>SPRING SEMESTER</th>
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**SOPHOMORE YEAR**

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### JUNIOR YEAR

**FALL SEMESTER**

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<td>MGT 300 Intro to Management</td>
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<td>ECON 310 Nat. Res. Economics</td>
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<td>NRM 352 Forest Res. Measurement</td>
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**SPRING SEMESTER**

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<td>GEOG 402 Conservation of Nat. Res.</td>
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<td>GEOG 305 Soils &amp; Hydrology</td>
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<td>P5 Fine &amp; Performing Arts</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

### SENIOR YEAR

**FALL SEMESTER**

<table>
<thead>
<tr>
<th>Course and Number</th>
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<tbody>
<tr>
<td>GEOG 324 Remote Sensing</td>
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<td>NRM 442 Natural Resource Policy</td>
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<td>NRM 451 Silviculture</td>
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<td>P1-P6 Jr-Sr Perspective</td>
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<td>NRM 440 Integrated Res. mgt.</td>
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<td>NRM 452 Forest Management</td>
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<td>NRM 460 Watershed Management</td>
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Total Hours for Degree: **128**

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

### CURRICULUM GUIDE FOR NATURAL RESOURCES MANAGEMENT (LAND USE PLANNING CONCENTRATION), B. S. DEGREE

### FRESHMAN YEAR

**FALL SEMESTER**

<table>
<thead>
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<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>MATH 130 College Algebra</td>
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<td>BIOL 140 Principles of Biology</td>
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### SOPHOMORE YEAR

**FALL SEMESTER**

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<td>GEOG 150 Environmental Geog.</td>
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<td>NRM 340 Nat. Res. Measurements</td>
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<td>GEOG 350 Economic Geography</td>
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**SPRING SEMESTER**

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<tr>
<td>BIOL 304 General Ecology</td>
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<td>GEOG 322 Cartography</td>
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<td>MATH 170 Statistics</td>
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<td>P3 History</td>
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</table>
JUNIOR YEAR

FALL SEMESTER
Course and Number
MGT 300 Intro to Management 3
GEOG305 Soils & Hydrology 4
P5 Fine & Performing Arts 3
P1-P6 Jr-Sr Perspective 3
General Elective 3

SPRING SEMESTER
Course and Number
Hrs.
NRM 344 Intro to GIS 3
GEOG 460 Urban and Regional Land Use planning 3
P6 World Cultures 3
General Electives 7

Total Hours: 16

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

SENIOR YEAR

FALL SEMESTER
Course and Number
GEOG 324 Remote Sensing 4
NRM 442 Natural Resource Policy 3
GEOG462 Urban geography 3
ECON, MGT, or GEOG 6
Jr-Sr Electives 6

SPRING SEMESTER
Course and Number
Hrs.
GEOG 402 Conservation of Nat. Res. 3
NRM 440 Integrated Res. Mgt. 4
GEOG 464 Industrial Location & Community Development 3
General Electives 6

Total Hours: 16

Total Hours for Degree: 128

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

CURRICULUM GUIDE FOR NATURAL RESOURCES MANAGEMENT (WATER RESOURCES CONCENTRATION), B. S. DEGREE

FRESHMAN YEAR

FALL SEMESTER
Course and Number
MATH 130 College Algebra 3
BIOL 140 Principles of Biology 1
NRM 150 Intro to NRM
190 series First Year Seminar 3
ENGL 101 Composition 1 3
JS 101 Jumpstart 0

SPRING SEMESTER
Course and Number
Hrs.
CHEM132 Intro Chemistry 4
BIOL 141 Principles of Biology II 4
CMHC 201 Communication 3
HEAL or HSCC 123/101 Wellness 3
ENGL 102 Composition II 3

Total Hours: 14

SOPHOMORE YEAR

FALL SEMESTER
Course and Number
GEOG 150 Environ. Geography 3
NRM 340 Nat. Res. Measurement 4
BIOL 304 General Ecology 3
NRM 342 Comp. Applica. in NRM 1
MATH 170 Statistics 3
P1 Social Sciences 3

SPRING SEMESTER
Course and Number
Hrs.
CHEM133 Organic & Biochemistry 4
GEOG 305 Soils & Hydrology 4
P3 History 3
P4 Humanities 3
P1 Social Sciences 2

Total Hours: 17
### JUNIOR YEAR

<table>
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<th>Course and Number</th>
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<th>SPRING SEMESTER</th>
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<td>GEOG 402 Conserv. of Natural Res.</td>
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</tbody>
</table>
| **Total** | **16** | **16** |## Students may finish earlier if they attend summer school at WCU or another approved institution.##

### Course Descriptions

**Forestry (FOR)**

**131 Introduction to Forest Resources (3)**
The profession of forestry, its scope and opportunities; forest resource conservation and utilization; field exercises in forestry practices. **PREQ:** Pre-forestry major.

**Natural Resources Management (NRM)**

**140 Natural Resource Conservation and Management (3)**
Students will develop a basic understanding of natural resources, and will investigate relationships between those resources and society while exploring issues related to their management. **(C5)**

**150 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.

**342 Microcomputer Applications in NRM (1)**
Applications of spreadsheets, database management, and specialized computer software to problems in natural resources management. 1 Lab.
**344 Introduction to Geographic Information Systems (3)**
Introduction to and applications of geographic information systems in natural resources management. 2 Lecture, 2 Lab. PREQ: 342 or permission of instructor.

**351 Forest Ecology (3)**
The study of forests as integrated ecological systems; energy transfer; nutrient cycling; communities; succession; disturbance; and their roles in productivity and management. PREQ: 340 or permission of instructor. 2 Lecture, 2 Lab.

**352 Forest Resource Measurements (3)**
Principles of applications in measuring forest resources. Measurements of trees and stands for volume, quality, growth, land areas, and other forest resources. PREQ: 340 or permission of instructor. 2 Lecture, 2 Lab.

**389 Cooperative Education in NRM (1 or 3, R15)**
See Cooperative Education Program.

**440 Integrated Resources Management (4)**
Natural resources management exercises; project and strategic planning; map and quantitative integration techniques; group dynamics. PREQ: 340, 442; or permission of instructor. 2 Lecture, 4 Lab.

**442 Natural Resources Policy and Administration (3)**
Policy and administrative principles; case studies on the evolution of policy in the United States; current issues. PREQ: NRM major, junior standing; or permission of instructor.

**451 Foundations of Silviculture (4)**
Principles of silviculture and their applications to the major forest types of the United States. Site and management requirements of important tree species. PREQ: 351, 352 or permission of instructor. 3 Lecture, 2 Lab.

**452 Forest Management (4)**
Principles of forest management at stand and forest levels; forest growth, regulation, harvesting, and multiple-use management. PREQ: 451 or permission of instructor. 3 Lecture, 2 Lab.

**460 Watershed Management (3)**
Principles of watershed management for analysis and control of water yield, timing, and quality in single- and multiple-use situations. PREQ: 340 or permission of instructor. 2 Lecture, 2 Lab.

**470 Land Suitability Classification (3)**
Study and application of land suitability classifications systems. PREQ: 340, 344, GEOG 305; or permission of instructor. 2 Lecture, 2 Lab.

**471 Landscape Ecology (4)**
The causes, development, quantification, and ecological consequences of spatial patterning on the landscape. Importance of scale; organism response to landscape patterns; natural- and human-caused disturbance. PREQ: BIOL 140, 141, or permission of instructor. 3 Lecture, 2 Lab.

**472 Ecosystem Structure and Analysis (4)**
Integrative, interdisciplinary investigation into the structure and function of ecosystems. Interactions and movement of energy, materials, and organisms into, out of, and within ecosystems. PREQ: BIOL 140, 141, or permission of instructor. 3 Lecture, 2 Lab.

**480 Independent Study (1-3, R6)**
PREQ: NRM major and permission of instructor.

**493 Topics in NRM (1-4, R12)**
PREQ: Permission of instructor.

**Graduate Courses**

**593 Topics in NRM (1-4, R12)**
Course Descriptions

Science Education (SCI)

422 Principles and Methods of Science Education (3)
Philosophy and techniques of inquiry teaching applied to the science curriculum. Field experience required. PREQ: Admission to teacher education, EDSE 322.

451 Environmental Science for Teachers (3)
Materials and techniques for interdisciplinary projects.

491 Supervised Student Teaching in the Sciences, 9-12 (3)
A full-time supervised teaching experience in the Sciences. COREQ: EDSE 490, 495.

493 Topics in Science Education (1-3)

494 Topics in Science Education (1-3)

Graduate Courses
512 Advanced Science Methods (3, R6) 611 Physical and Earth Science for Teachers (3)
551 Environmental Science for Teachers (3) 621 Biology and Environmental Science for Teachers (3)
593 Topics in Science Education (1-3, R6) 695 Seminar in Science Education (3)
594 Topics in Science Education (1-3, R6) 696 Seminar in Science Education (3)

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

Liberal Studies, 42 hours

The major requires 54-58 hours as follows:

AST 103 Solar System, 3 hours or AST 104 Cosmic Evolution, 3 hours
BIOL 140 Principles of Biology I, 4 hours
BIOL 141 Principles of Biology II, 4 hours
CHEM 140 Advanced General Chemistry, 4 hours
CHEM 232 Quantitative Analysis, 4 hours
GEOL 150 Methods in Geology, 4 hours
GEOL 155 Historical Geology, 4 hours
GEOL 250 Rock Forming Minerals, 3 hours
GEOL 305 Soils and Hydrology, 4 hours or GEOL 302, Geomorphology, 4 hours
GEOG 300 Weather and Climate, 4 hours
MATH 130 College of Algebra, 3 hours
MATH 140 Introductory Calculus, 5 hours or MATH 170 Applied Statistics, 3 hours
PHYS 130 or 230, Introductory Physics I or General Physics I, 4 hours
PHYS 131 or 231, Introductory Physics II or General Physics II, 4 hours
Geology electives (2-4 hours) at the junior-senior level

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

Minor in Earth Sciences
The minor requires 17 or 18 hours, including GEOL 150; one other freshman-level geology course, GEOL 250; GEOG 150 and 300.

Minor in Geology
The minor requires 21 hours, including GEOL 150; one other freshman-level geology course; GEOL 250, and 10-11 hours of geology electives above the freshman level.
Minor in Geography
The minor requires 21 hours, including GEOG 150, 350, and 15 hours of electives above the freshmen level.

CURRICULUM GUIDE FOR MAJOR IN SCIENCE EDUCATION (CONCENTRATION IN EARTH SCIENCES), B.S.ED. DEGREE

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
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<tbody>
<tr>
<td>GEOL 150 Methods in Geology</td>
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<tr>
<td>190 Series First Year Seminar</td>
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</tr>
<tr>
<td>ENGL 101 Composition I</td>
<td>3</td>
<td></td>
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<tr>
<td>HEAL or HSCC 123/101 Wellness</td>
<td>3</td>
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<tr>
<td>CHEM 140 Adv. General Chemistry</td>
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<tr>
<td>JS 101 Jumpstart</td>
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<tr>
<td>GEOL 155 Historical Geology</td>
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<td>ENGL 102 Composition II</td>
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<td>CMHC 201 Communication</td>
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<td>P4 Humanities</td>
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SOPHOMORE YEAR

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<th>FALL SEMESTER</th>
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<tbody>
<tr>
<td>BIOL 140 Principles of Biology I</td>
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<tr>
<td>PHYS 130 Introductory Physics I</td>
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<tr>
<td>MATH 130 College Algebra</td>
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<tr>
<td>CHEM 232 Quantitative Analysis</td>
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<td>BIOL 141 Principles of Biology II</td>
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<tr>
<td>PHYS 131 Introductory Physics II</td>
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<tr>
<td>GEOL 250 Rock Forming Minerals</td>
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<td>P5 Fine &amp; Performing Arts</td>
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JUNIOR YEAR

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<tbody>
<tr>
<td>GEOL 305 or 302 Soils &amp; Hydro.</td>
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<td>Geomorphology</td>
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<tr>
<td>MATH 140 or 170 Calculus Applied</td>
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<td>Statistics</td>
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<tr>
<td>EDCI 231* Curricular Instruction</td>
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<td>P1 Social Sciences</td>
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<tr>
<td>GEOL Jr-Sr Elective</td>
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<th>SPRING SEMESTER</th>
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<tr>
<td>GEOG 300 Weather and Climate</td>
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<tr>
<td>AST 104 or 103** Cosmic Evol.</td>
<td>0-3</td>
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<tr>
<td>Solar System</td>
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<tr>
<td>EDSE 322 Principles and Methods</td>
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<td>PSY 320 or 322 Child/Adolescent Dev.</td>
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<tr>
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* EDCI 231 may be taken in the Sophomore or Junior years. There is some flexibility in terms of the sequence of professional courses after the initial EDCI 231 course is taken.

**AST 103 is offered Fall Semester only

SENIOR YEAR

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<th>FALL SEMESTER</th>
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<td>P6 Jr-Sr World Cultures</td>
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<tr>
<td>PSY 321 Educational Psychology</td>
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<td>SCI 422 Science Methods</td>
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<tr>
<td>EDSE 490 Supervised Stud. Teaching</td>
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<td>SCI 491 Supervised Student Teaching</td>
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<tr>
<td>in the Sciences</td>
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<td><strong>TOTAL</strong></td>
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</table>
General Elective 4  EDSE 495 Seminar 3  
SPED 335 Teach. Except. Children 2  
AST 103 or 104* Solar Syst. 0-3  
Cosmic Evolution  
15-18 12  

*AST 104 is offered Spring Semester only  

Total Hours for Degree: 128  

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

Course Descriptions  

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.  

DEPARTMENT OF HISTORY  
James A. Lewis, head  
T. Blethen, L. Cruz, A. Denson, D. Dorondo, G. Graham, E. McRae, A. Macaulay, S. Philyaw, R. Starnes, V. Szabo  

MAJOR IN HISTORY, B.A. DEGREE  
Liberal Studies, 42 hours  
The major requires MFL 231-232 or 240 and 33 hours as follows:  
The major requires 6 hours from History 221, 222, 231, 232; History 297 (3 hours); 24 hours of junior-senior history electives to include 6 hours in United States, 6 hours in European, and 3 hours in non-Western history. At least 9 hours in the major need to be 400 level history courses.  
To complete the program, a total of 39 hours is required, including a minor, or second major, or other approved program and general electives. At least 30 hours of the courses taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.  

CURRICULUM GUIDE FOR HISTORY, B.A. DEGREE  
FRESHMAN YEAR  

<table>
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<tr>
<th>FALL SEMESTER</th>
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<tr>
<td>C1 ENGL 101 Composition I</td>
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<tr>
<td>C2 MATH 101 Math. Concepts</td>
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<tr>
<td>190 series First Year Seminar</td>
<td>3</td>
</tr>
<tr>
<td>C5 Physical &amp; Biological Sciences</td>
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<tr>
<td>P3 History</td>
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### SOPHOMORE YEAR

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<tbody>
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<td>MFL 102 Spanish/French/German</td>
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<td>HIST 297 Seminar</td>
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<tr>
<td>P1 Social Sciences</td>
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<td>P5 Fine &amp; Performing Arts</td>
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<tr>
<td>P1 Social Sciences</td>
<td>3</td>
<td>P6 World Cultures</td>
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<td>P4 Humanities</td>
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<td>Minor Intro</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

### SENIOR YEAR

<table>
<thead>
<tr>
<th>COURSE AND NUMBER</th>
<th>FALL SEMESTER</th>
<th>HRS.</th>
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| Total Hours for Degree: | 120 |
| Total Hours of Pre-requisites: | 6 HOURS OF MFL 231 & 232 |

Junior-senior history electives must include 6 hours in United States, 6 hours in European, and 3 hours in non-Western history. At least 9 hours in the major need to be 400 level history courses.

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

### MAJOR IN HISTORY, B.S. DEGREE

Liberal Studies, 42 hours

The major requires MATH 170 and 33 hours as follows:

The major requires 6 hours from HIST 221, 222, 231, 232; History 297 (3 hours); 24 hours of junior-senior history electives to include 6 hours in United States, 6 hours in European, and 3 hours in non-Western history. At least 9 hours in the major need to be 400 level history courses.

To complete the program, a total of 42 hours is required, including a minor, or second major, or other approved program and general electives. At least 30 hours of the courses taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.
Certificate in Public History
The Certificate (15 hours) requires completion of HIST 471, 472, 473, 474, and 483 (Internship). History majors and minors may not count these courses for both the major/minor and the certificate.

Minor in History
The minor requires 21 hours, including 6 hours from 221, 222, 231, or 232, plus 15 hours of junior-senior history electives.

### CURRICULUM GUIDE FOR HISTORY, B. S. DEGREE

#### FRESHMAN YEAR

<table>
<thead>
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<tr>
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<td>C1 ENGL 102 Composition II</td>
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<td>C3 CMHC 201 Communication</td>
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#### SOPHOMORE YEAR

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<td>Minor Intro</td>
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<td>P4 Humanities</td>
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#### JUNIOR YEAR

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#### SENIOR YEAR

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</table>

Total Hours for Degree: 120
Total Hours of Pre-requisites: 3 HOURS OF MATH 170

Junior-senior history electives must include 6 hours in United States, 6 hours in European, and 3 hours in non-Western history. At least 9 hours in the major need to be 400 level history courses.

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

Course Descriptions

History (HIST)

107 (307) World Cultures in Historical Perspective (3)
Comparison of Western culture and non-Western cultures; historical developments and their impact on the modern world. (P3)

141 Turning Points in American History: Paths Taken and Rejected (3)
Exploration of one or several major turning points in American history. (P3)

142 Lunatics, Dreamers and Ordinary People: Biography in American History (3)
A study of one or several individuals influencing or influenced by American history. (P3)

151 Turning Points in European History: Paths Taken and Rejected (3)
Exploration of one or several major turning points in the history of Western Civilization. (P3)

152 Lunatics, Dreamers and Ordinary People: Biography in European History (3)
A study of one or several individuals influencing or influenced by the history of Europe. (P3)

171 Religion in America (3)
An examination of religious texts and history in American culture. (P4)

175 Native American Civilizations (3)
Introduction to Native American history. (P4)

181 Religion in Europe (3)
An examination of religious texts and history in European culture. (P4)

182 The Ancient Empires (3)
An examination of the creation myths and history of the ancient empires of the Old and New Worlds. (P4)

185 History of Death in Western Civilization (3)
Tales from the Crypt, a look at the changing perceptions about death. (P4)

190 Freshman Seminar (3)
Exploration of various topics in American, European, and Third World history using the seminar method.

191 Freshman Seminar (3)
Examination of the classic texts produced by a significant historical period, trend, or person(s) using the seminar method.

221 European History to 1517 (3)
Social, cultural, economic, and political developments that shaped European civilization from earliest times through the Reformation. (P3)

222 European History Since 1517 (3)
Social, cultural, economic, and political developments that shaped European civilization since the Reformation. (P3)

231 American History to 1865 (3)
Survey of the American past from its Old and New World origins to the end of the Civil War. (P3)
232 American History Since 1865 (3)
Survey of recent American history from the Reconstruction Period to the present. (P3)

297 Sophomore Seminar (3)
Historical methods, historiography, and directed research.

308 Explorations in Regional History (3)
Examinations of select regions and the groups which influenced their historical evolution. (P3)

311 Ancient Greece and Rome (3)
Cultural, intellectual, and political developments in Greece and Rome, including the origins of Christianity. (P3)

313 The Medieval World (3)
Europe from the founding of Constantinople to the late medieval period. (P3)

317 History of Twentieth-Century International Relations (3)
Paris Peace Conference and aftermath; failure of League of Nations; World War II and the Cold War; emergence of the Third World; the Common Market. (P3)

322 British History to 1603 (3)
Ancient and Roman Britain; Anglo-Saxon society; the Middle Ages; Reformation and Tudor government and society; emphasis on England but includes Celtic history. (P3)

323 British History Since 1603 (3)
Constitutional struggles of the seventeenth century; the age of aristocracy; industrial transformation and nineteenth-century growth and reform; rise of the welfare state. (P3)

327 Modern Russia (3)
The pre-revolutionary background and the Soviet period. (P3)

330 Modern Germany (3)
Germany from 1815 to the present, with emphasis on development in the nineteenth and twentieth centuries in terms of political evolution and international situation. (P3)

341 North Carolina History (3)
The social, political, economic, and ethnic history of North Carolina from the colonial era to the present. (P3)

361 Latin American History I (3)
Indian civilizations; Spanish and Portuguese exploration; the conquistadores; colonial life; consolidation and maturity of empire; influence of the Enlightenment. (P3)

362 Latin American History II (3)
Revolutions; independence; struggle for political stability; popular government on trial; contests of hegemony; rise of indigenous nationalism. (P3)

373 Modern Asia (3)
Exploration of the forces shaping the history of the major nations of Asia. (P3)

375 Middle East since Mohammed (3)
Introduction to Middle East history from the spread of Islam to the present. (P3)

389 Cooperative Education in History (1 or 3, R15)
See Cooperative Education Program.

405 Methods for Teaching Social Sciences (3)
Methods, materials, curriculum, and trends in teaching secondary social sciences. Field experience required. PREQ: EDSE 322, admission to teacher education; 2.75 GPA in major.

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.

421 Romans, Christians, Barbarians (3)
Explores the three most prominent cultures of the Mediterranean at the end of the Roman Empire.

425 Modern European Military History (3)
Focuses on the era of the two World Wars (1914-1945), emphasizing political, technological, and operational issues.

431 Colonial America, 1492-1763 (3)
Political, social, economic, and cultural characteristics.

432 The Revolutionary Era, 1763-1800 (3)
Causes and effects of the revolution; the War for Independence; the Constitution; the Federalist Era.

433 The Young Republic, 1800-1848 (3)
Jeffersonian democracy; War of 1812; Era of Good Feelings; Jacksonian democracy; western expansion; the Mexican War.

434 Civil War and Reconstruction, 1848-1877 (3)
Sectional differences; the secession movement; military operations; Reconstruction.

435 Emergence of Industrial America, 1877-1929 (3)
Growth and conflict of organized industry and labor; agrarian decline and revolt; American Imperialism; progressive reform; World War I; postwar crises and prosperity.

436 The United States Since 1929 (3)
Great Depression; New Deal; World War II; role as Cold War superpower; domestic developments.

442 African American History (3)
Role of African Americans in American history; African background; religious, cultural, economic, and political institutions; civil rights, struggles, tension between assimilation and black nationalism.

443 The American South (3)
Social structure and economic interests of the Antebellum South; impact of Civil War and Reconstruction; the New South; the twentieth-century South; emphasis on regional differences and social transition.

445 Cherokee History (3)
Pre-contact Cherokee society; acculturation; removal; post-removal development of the Cherokee Nation West and the Eastern Band of the Cherokees.

446 Southern Appalachian History (3)
History and folkways in the period of geographic isolation; changes in regional culture in an age of improved transportation and communications.
448 The American West (3)
Explores the history and literature of the trans-Mississippi West from the time of discovery through the present, emphasizing the period since 1800.

450 War and Memory (3)
Explores perceptions and social history of American Wars in the Twentieth Century.

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.

454 American Military History (3)
Military affairs in the United States from the Revolution to the present; emphasis on war as a social institution.

455 American Religious History (3)
Role of organized religion upon American history and culture, primarily since 1865.

459 Sizzlin' Sixties (3)
Explores key events and trends that characterized US history during the 1960's.

463 History of the Mexican Nation (3)
Mexico since 1810; nineteenth-century conflicts; revolution, 1910-1917; progress to the present.

471 Introduction to Public History (3)
Explores such topics as museum displays, reenactments, historical pageants, historic preservation, living history, interpretations, and public policy.

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 Introduction to Museum and Historic Site Interpretation (3)
Theory and practice of interpreting history to the public in museums and historic sites. Exhibit development, research methods, public programming, and audience evaluation. Lecture and fieldwork.

474 Introduction to Oral History (3)
Explores the uses of oral history, its relationship to other research techniques, the components of interviewing, and the field's numerous ethical, legal, and archival issues.

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.

491 Supervised Student Teaching in Social Sciences, 9-12 (3)
A full-time supervised teaching experience in Social Sciences. COREQ: EDSE 490, 495.

493 Topics in History (1-3, R12)

Graduate Courses

511 Western Imperialism, 1500 to the Present (3)
512 Early Modern Europe (3)
513 Europe in the Eighteenth Century (3)
514 Europe in the Nineteenth Century (3)
516 Europe in the Twentieth Century (3)
521 Romans, Christians, Barbarians (3)
525 Modern European Military History (3)
531 Colonial America, 1492-1763 (3)
532 The Revolutionary Era, 1763-1800 (3)
533 The Young Republic, 1800-1848 (3)
534 Civil War and Reconstruction, 1848-1877 (3)
571 Introduction to Public History (3)
573 Introduction to Museum and Historic Site Interpretation (3)
574 Introduction to Oral History (3)
589 Cooperative Education in History (3)
593 Topics in History (1-3, R12)
631 Historiography (3)
632 Historical Methodologies and Research Design (3)
633 Advanced Teaching Methodologies In Secondary Social Science Education (3)
MAJOR IN COMPUTER SCIENCE, B. S. DEGREE

Liberal Studies, 42 hours

The major requires 66 hours. Only grades of C (2.0) or higher in required computer science courses will satisfy requirements for the major. The following courses are required:

CS 150 Problem Solving and Programming I, 4 hours
CS 151 Problem Solving and Programming II, 4 hours
CS 260 Logic for Computer Science, 3 hours
CS 350 Introduction to Computer Organization, 3 hours
CS 351 Data Structures, 3 hours
CS 352 Organization of Programming Languages, 3 hours
CS 360 Theory of Computation, 3 hours
CS 363 Software Development, 3 hours
CS 370 Operating Systems, 3 hours
CS 463 Software Engineering, 3 hours
CS 465 Computer Networks, 3 hours
CS 495 Capstone, 3 hours
MATH 153 Calculus I, 4 hours
MATH 255 Calculus II, 4 hours
MATH 310 Discrete Structures, 3 hours
MATH 270 Statistical Methods I or MATH 370 Probability and Statistics I, 3 hours

Complete the liberal studies science requirement and in addition, complete 8 hours selected from one of the following groups: BIOL 140, 141 or CHEM 132, 140 or GEOL 150, 155 or PHYS 130, 131 or PHYS 230, 231.

Six additional hours of courses selected from CS courses numbered above 250 (excluding CS 320) that are not required or MATH 441 or ECET 331, 332, 431, or TEL 345 (including at least 3 hours of courses at the 400 level)

Twelve additional hours of general electives complete the program of study. At least 32 hours taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.
### FRESHMAN YEAR

#### FALL SEMESTER

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
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<tr>
<td>ENGL 101 Composition I</td>
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<tr>
<td>MATH 153 Calculus I</td>
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<tr>
<td>190 series First Year Seminar</td>
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<tr>
<td>CS 150 Problem Solving &amp; Prog. I</td>
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<td>CS 260 Logic for CS</td>
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<tr>
<td>CS 151 Problem Solving &amp; Prog. II</td>
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<td>MATH 255 Calculus II</td>
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If a student is not beginning in Calculus I, see the department for a revised course sequence.

### SOPHOMORE YEAR

#### FALL SEMESTER

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<tr>
<td>CS 363 Software Development</td>
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<td>MATH 270 or 370 Statistics</td>
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<td>HEAL or HSCC 123/101 Wellness</td>
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<td>P5 Fine &amp; Performing Arts</td>
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#### SPRING SEMESTER

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<tr>
<td>CS 351 Data Structures</td>
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<td>CS 360 Theory of Computation</td>
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<td>MATH310 Discrete Structures</td>
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<tr>
<td>P3 History</td>
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<tr>
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### JUNIOR YEAR

#### FALL SEMESTER

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<th>Hrs.</th>
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<tbody>
<tr>
<td>CS 250 Intro to Computer Systems</td>
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<tr>
<td>CS Elective (General)</td>
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<tr>
<td>C5 Physical &amp; Biological Science</td>
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<td>Additional Science for Program</td>
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#### SPRING SEMESTER

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<th>Hrs.</th>
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<tr>
<td>CS 370 Operating Systems</td>
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<tr>
<td>CS 463 Software Engineering</td>
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<td>C5 Physical &amp; Biological Science</td>
<td>3</td>
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<tr>
<td>P6 World Cultures</td>
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<td>General Elective</td>
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<td><strong>Total</strong></td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

### SENIOR YEAR

#### FALL SEMESTER

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<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>CS 495 Capstone</td>
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<tr>
<td>CS 465 Computer Networks</td>
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<tr>
<td>P1 Social Science</td>
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<td>P4 Humanities</td>
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#### SPRING SEMESTER

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<th>Course and Number</th>
<th>Hrs.</th>
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<td>CS Elective (General)</td>
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<tr>
<td>P1-P6 Jr-Sr Perspective</td>
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<td>P1 Social Science</td>
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<td>General Electives</td>
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**Total Hours for Degree: 120**

This sequence requires that students begin in Calculus I.

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

Liberal studies, 42 hours

The major requires 45 hours as follows:

MATH 153, 255, 256 Calculus I, II, III, 12 hours
MATH 250 Introduction to Logic and Proof, 2 hours
MATH 270 Statistical Methods I, 3 hours
MATH 300 Problem Solving, 2 hours
MATH 310 Discrete Structures, 3 hours
MATH 361 Introduction to Abstract Algebra, 3 hours
MATH 362 Introduction to Linear Algebra, 3 hours
MATH 400 History of Mathematics, 3 hours
MATH 411 Foundations in Geometry, 3 hours
MATH 479 Capstone: Seminar, 2 hours
EDEL 466 Computers in Education, 3 hours
Math electives (6 hours) selected from 370, 375, 412, 422, 423, 461, 462, 470

To complete the program, 41 hours are required, including the professional education sequence (28 hours) for secondary and special subject teaching. At least 32 hours taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.

CURRICULUM GUIDE FOR MATHEMATICS, B.S.ED. DEGREE

FRESHMAN YEAR

<table>
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<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
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<tbody>
<tr>
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<tr>
<td>MATH 153 Calculus I</td>
<td>MATH 255 Calculus II</td>
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<td>ENGL 101 Composition I</td>
<td>ENGL 102 Composition II</td>
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<td>P1 Social Science</td>
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<td>P5 Fine &amp; Performing Arts</td>
<td>HEAL or HSCC 123/101 Wellness</td>
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<td>JS 101 Jumpstart</td>
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If a student is not beginning in Calculus I, see the department for a revised course sequence.

SOPHOMORE YEAR

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<tr>
<td>MATH 256 Calculus III</td>
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<td>MATH 250 Intro. to Logic &amp; Proof</td>
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<td>P4 Humanities</td>
<td>EDCI 231 Foundation of Education</td>
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### JUNIOR YEAR

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<tr>
<td><strong>Course and Number</strong></td>
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<tr>
<td>MATH 411 Geometry</td>
<td>MATH 361 Intro. to Abstract Algebra</td>
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<tr>
<td>MATH 361, 461, or 462 Algebra</td>
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<td>PSY 322 Adolescent Development</td>
<td>PSY 321 Educational Psychology</td>
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<td>P3 History</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

### SENIOR YEAR

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<td><strong>Course and Number</strong></td>
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<tr>
<td>SPED 335 Teach. Except. Children</td>
<td>MATH491 Supervised Stud. Teaching</td>
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<tr>
<td>EDEL 466 Computers in Education</td>
<td>EDSE 490 Supervised Stud. Teaching</td>
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<tr>
<td>MATH 415 Methods &amp; Materials in Sec. Math</td>
<td>EDSE 495 Student Teaching Seminar</td>
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<td>MATH 300 Problem Solving</td>
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<td>MATH 479 Capstone</td>
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<td>P1-P6 Jr-Sr Perspective</td>
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**Total Hours for Degree: 128**

This sequence requires that students begin in Calculus I in an odd numbered year. Students may finish earlier if they attend summer school at WCU or another approved institution.

### MAJOR IN MATHEMATICS, B. S. DEGREE

**Liberal Studies, 42 hours**

All majors in mathematics are strongly encouraged to take a physics sequence to satisfy part of their liberal studies science sequence requirement.

**Major requirements:**

**Core, 25 hours:**
- 153, 255, 256 Calculus I, II, III, 12 hours
- 250 Introduction to Logic and Proof, 2 hours
- 270 Statistical Methods I, 3 hours
- 310 Discrete Structures, 3 hours
- 362 Introduction to Linear Algebra, 3 hours
- 479 Capstone: Seminar, 2 hours

**Math Electives:**
- 361, 461, 462 Algebra/Discrete
- 422, 423, 424 Analysis
- 320, 350, 441 Computing/Modeling
- 370, 375, 470 Statistics
Applied Option:

**Required 12 hours:** CS 340 and three courses from the math electives with at least one course in the Computing/Modeling category.

To complete the program: 49 hours are required, including a second major or a minor in one of the following areas of application: biology, chemistry, computer science, economics, finance, geology, physics, or a program approved by the mathematics and computer science department head.

Traditional Mathematics Option:

**Required 18 hours:** CS 340, one course from each of the four math electives categories, and one additional course from any of the four math elective categories or other math courses approved by the mathematics and computer science department head.

To complete the program: 43 hours are required, including a second major, a minor, or a program approved by the mathematics and computer science department head.

Mathematics Education Option:

**Required 20 hours:** EDEL 466, MATH 300, MATH 400, MATH 411, MATH 361, and two additional courses selected from the math electives or MATH 412.

To complete the program: 41 hours are required, including the 28-hour professional education sequence.

In all options, at least 32 hours taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.

Minor in Computer Science

The minor requires 17 hours, including CS 150, 151; and 9 hours of other CS courses numbered 250 or above (excluding CS 320) or MATH 310 or MATH 441.

Minor in Mathematics

The minor requires 20 hours, including MATH 153, 255, and 12 hours selected from: any mathematics courses numbered 250 or higher or CS 340 or CS 260.

Computer Education Endorsement

An endorsement in computer education (18 hours) can be obtained if the individual holds a license in another teaching area. A listing of the course requirements for the endorsement is available in the office of the dean of the College of Education and Allied Professions or from the departmental website at www.cs.wcu.edu.
CURRICULUM GUIDE FOR MATHEMATICS (APPLIED OPTION), B.S.

DEGREE

FRESHMAN YEAR

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<td><strong>Course and Number</strong></td>
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<td>ENGL 101 Composition I</td>
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<td>HEAL or HSCC 123/101 Wellness</td>
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If a student is not beginning in Calculus I, see the department for a revised course sequence. General Electives must include a major or minor in another related field.

SOPHOMORE YEAR

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JUNIOR YEAR

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<td>P5 Fine &amp; Performing Arts</td>
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<tr>
<td>General Electives</td>
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</table>

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

SENIOR YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
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<tr>
<td><strong>Course and Number</strong></td>
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<tr>
<td>MATH 479 Capstone</td>
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<tr>
<td>P1 Social Science</td>
<td>P1 Social Sciences</td>
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<tr>
<td>P1-P6 Jr-Sr Perspective</td>
<td>General Electives</td>
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<td><strong>Total</strong></td>
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</table>

Total Hours for Degree: **128**

This sequence requires that students begin in Calculus I. The general electives must include a second major or minor in one of the following areas of application: biology, chemistry, computer
science, economics, finance, geology, physics, or a program approved by the mathematics and computer science department head.

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

**CURRICULUM GUIDE FOR MATHEMATICS (TRADITIONAL OPTION), B.S. DEGREE**

**FRESHMAN YEAR**

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<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
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<tbody>
<tr>
<td><strong>Course and Number</strong></td>
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<tr>
<td>MATH 153 Calculus I</td>
<td>MATH 255 Calculus II</td>
</tr>
<tr>
<td>ENGL 101 Composition I</td>
<td>ENGL 102 Composition II</td>
</tr>
<tr>
<td>P3 History</td>
<td>CMHC 201 Communication</td>
</tr>
<tr>
<td>190 series First Year Seminar</td>
<td>HEAL or HSCC 123/101 Wellness</td>
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If a student is not beginning in Calculus I, see the department for a revised course sequence. General Electives must include a major or minor in another related field.

**SOPHOMORE YEAR**

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<thead>
<tr>
<th>FALL SEMESTER</th>
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<tbody>
<tr>
<td><strong>Course and Number</strong></td>
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<tr>
<td>MATH 256 Calculus III</td>
<td>MATH 310 Discrete Structures</td>
</tr>
<tr>
<td>MATH 250 Intro. to Logic &amp; Proof</td>
<td>MATH 362 Intro to Linear Alg.</td>
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<tr>
<td>MATH 270 Stat. Methods</td>
<td>P4 Humanities</td>
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<tr>
<td>P1 Social Science</td>
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<td>General Elective</td>
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**JUNIOR YEAR**

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<tr>
<th>FALL SEMESTER</th>
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<tr>
<td><strong>Course and Number</strong></td>
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</tr>
<tr>
<td>CS 340 Scientific Computing</td>
<td>MATH 331, 422, or 423 Analysis</td>
</tr>
<tr>
<td>MATH 361, 461, or 462</td>
<td>MATH Elective</td>
</tr>
<tr>
<td>Algebra Discreet</td>
<td>C5 Physical &amp; Biological Science</td>
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<tr>
<td>C5 Physical &amp; Biological Science</td>
<td>General Electives</td>
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<tr>
<td>P6 World Cultures</td>
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<tr>
<td><strong>Course and Number</strong></td>
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</tr>
<tr>
<td>MATH 479 Capstone</td>
<td>MATH 320, 350, or 441</td>
</tr>
<tr>
<td>MATH 370, 375, or 470 Statistics</td>
<td>Computing/ Modeling</td>
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<td><strong>Hrs.</strong></td>
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</table>
### Total Hours for Degree: 128

Any notes or other information: This sequence requires that students begin in Calculus I. The general electives must include a second major, minor, or a program approved by the mathematics and computer science department head.

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

### CURRICULUM GUIDE FOR MATHEMATICS (EDUCATION OPTION), B. S. DEGREE

#### FRESHMAN YEAR

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<thead>
<tr>
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If a student is not beginning in Calculus I, see the department for a revised course sequence.

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<tr>
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<td>General Electives</td>
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<tr>
<td>P4 Humanities</td>
<td>3</td>
<td>EDCI 231 Foundation of Education</td>
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<tr>
<td>C5 Physical &amp; Biological Science</td>
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#### JUNIOR YEAR

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<tr>
<th>FALL SEMESTER</th>
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<th>SPRING SEMESTER</th>
<th>Course and Number</th>
<th>Hrs.</th>
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</thead>
<tbody>
<tr>
<td>MATH 411 Geometry</td>
<td>3</td>
<td>MATH 361 Intro. to Abstract Algebra</td>
<td>3</td>
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<tr>
<td>MATH 361, 461, or 462 Algebra</td>
<td>3</td>
<td>MATH Elective</td>
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<td>PSY 322 Adolescent Development</td>
<td>3</td>
<td>PSY 321 Educational Psychology</td>
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<tr>
<td>P3 History</td>
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<td>EDRD 323 Reading &amp; Comm. Skills</td>
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<tr>
<td>General Elective</td>
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## SENIOR YEAR

### FALL SEMESTER

<table>
<thead>
<tr>
<th>Course and Number</th>
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<tbody>
<tr>
<td>SPED 335 Teach. Except. Children</td>
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<tr>
<td>EDEL 466 Computers in Education</td>
<td>3</td>
</tr>
<tr>
<td>MATH 415 Methods &amp; Materials in Sec. Math</td>
<td>3</td>
</tr>
<tr>
<td>MATH 300 Problem Solving</td>
<td>3</td>
</tr>
<tr>
<td>MATH 479 Capstone</td>
<td>2</td>
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<tr>
<td>P1-P6 Jr-Sr Perspective</td>
<td>3</td>
</tr>
</tbody>
</table>

| Total Hours for Degree: 128 |

This sequence requires that students begin in Calculus I in an odd numbered year. Students may finish earlier if they attend summer school at WCU or another approved institution.

### SPRING SEMESTER

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>MATH 491 Supervised Stud. Teaching</td>
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<tr>
<td>EDSE 490 Supervised Stud. Teaching</td>
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<tr>
<td>EDSE 495 Student Teaching Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

### Course Descriptions

**Computer Science (CS)**

**101 Computer Concepts (1)**
Computer applications including hands-on experience with word processing, spreadsheets, database management, and graphics.

**130 Introduction to Computing (3)**
An introduction to programming using a scripting language including variables, input/output, and conditional statements. Other topics covered at the discretion of the instructor.

**150 Problem Solving and Programming I (4)**
Problem solving and algorithm development using an object-based programming language: classes, selection, iteration, arrays, and generic classes. PREQ or COREQ: MATH 146 or equivalent. 3 Lecture, 2 Lab.

**151 Problem Solving and Programming II (4)**
Object-oriented program development and elementary data structures: pointers and dynamic allocation, generic classes and inheritance, recursion, linked lists, stacks, and queues. PREQ: 150. 3 Lecture, 2 Lab.

**250 Introduction to Computer Systems (3)**
The computer architecture and system call interfaces; assembly language programming; implementation of system calls; linking, exceptions, interrupt handling, and input/output. PREQ: 151 or both 150 and EET 331.

**260 Logic for Computer Science (3)**
Logic with applications to program correctness, formal languages, graph theory, etc. An introduction to matrix theory. Credit not available for both CS 260 and MATH 250. PREQ: MATH 146 and computer programming experience.

**301 High-Level Languages (3, R9)**
ADA, C, PROLOG, LISP, or other languages approved by the department head. (Can be repeated for credit with different languages.) Elective credit for CS majors restricted to 3 hours.

**303 Digital Logic (3)**
Binary systems, Boolean algebra, combinational logic, synchronous sequential logic, asynchronous sequential logic. PREQ: MATH 146 and some programming experience.
304 Digital Logic Laboratory (4)
Laboratory experience to enhance topics from CS 303. PREQ: 303, MATH 146, some programming experience.

320 Computers and Society (3)
Brief history of computers; survey of growth of applications and current social issues to include legal issues as they relate to businesses and the individual.

340 Introduction to Scientific Computing (3)
Floating-point representations, round-off errors, nonlinear equations, numerical integration, data analysis, and numerical differentiation. Survey software packages and other technology. PREQ: MATH 255; MATH 362; and some programming experience.

350 Introduction to Computer Organization (3)
Introduction to computer arithmetic, processor organization and design, microprogramming and control unit design, memory organization, I/O organization. PREQ: 151 and 260.

351 Data Structures (3)
Object-oriented program development and advanced data structures: recursion, analysis of execution time, sorting and searching, trees, hash tables, and elementary graph algorithms. PREQ: 151, 260, and MATH 153. COREQ: MATH 310.

352 Organization of Programming Languages (3)
Language processors, data and data control, operations, sequence control, storage management, operating environment, syntax, and translation. PREQ: 151 and 260.

360 Theory of Computation (3)
An introduction to finite automata and regular expressions, context-free languages, Turing machines, Church’s thesis and recursive functions, uncomputability, and computational complexity. PREQ: 151.

361 Computer Graphics (3)
Storage tube and raster scan graphics terminal technologies; language and data structures for graphics; 2-D and 3-D graphics and transformations; plane and space curves; surface generation. PREQ: 150 or 340.

363 Software Development (3)
Techniques for design and construction of reliable, maintainable, and useful software systems. Software development methodologies and object-oriented design for medium and large projects. PREQ: 151.

370 Operating Systems (3)
Concurrency (synchronization primitives and deadlock) and implementation of the operating system kernel (process management, memory management, and file systems); introduction to computer networks. PREQ: 151.

389 Cooperative Education in Computing (1 or 3, R15)
See Cooperative Education Program.

393 Topics in Computer Science (1-3, R6)
PREQ: Permission of department head.

443 Automata and Formal Languages (3)
Phrase structure grammar, context-free languages; finite state machines, pushdown acceptors, Turing machine, recursiveness, and computability. PREQ: 360.

451 Algorithms (3)
Selected topics from the theory of algorithms. Topics may include algorithms for parallel computers, polynomials and FFT, number-theoretic algorithms, and computational geometry. PREQ: 351.
452 Advanced Computer Architecture (3)
Advanced topics in computer architecture including pipelining, multiple and parallel processing systems, issues in performance enhancement, data flow computers, and VLSI computations. PREQ: 350.

453 Database Systems (3)
Relational query languages (SQL), database design, normal forms, storage structures, access methods, query processing, crash recovery, transactions, distributed databases, object-oriented and multimedia databases. PREQ: 151.

455 Computer System Performance Analysis (3)
Performance evaluation of computer systems and computer networks; measurement and benchmarks, simulation, and analytical models (stochastic processes and 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)
Large scale software development methodologies; software development process and life-cycle models; object-oriented analysis and design; verification and validation; planning and estimating software development efforts. PREQ: 151.

464 Microcomputer Development (3)
Software and hardware development and interfacing for dedicated microcomputer applications. PREQ: 350 or PHYS 302 or IET 371. 2 Lecture, 2 Lab.

465 Computer Networks (3)
Protocol layers, error control, media access, routing, congestion control, TCP/IP, name resolution, socket programming, client-server, interface definition languages, component APIs. PREQ: 151.

480 Artificial Intelligence (3)
Machine intelligence; problem reduction, state space search, game trees, expert systems; resolution principle; introduction to LISP. PREQ: 351.

493 Topics in Computer Science (1-6, R6)

495 Capstone (3)
A seminar emphasizing social and ethical issues in computer science. The seminar includes a project with a written report and presentation that demonstrates understanding of computer science principles. PREQ: Senior standing.

Graduate Courses
552 Advanced Computer Architecture (3)
555 Computer System Performance Analysis (3)
560 Compiler Construction II (3)
564 Microcomputer Development (3)
565 Computer Networks (3)
580 Artificial Intelligence (3)
593 Topics in Computer Science (1-6, R6)

Mathematics (MATH)
101 Mathematical Concepts (3)
Introduction to applications of mathematics to daily experience. Topics to include statistical analysis and interpretation, applications to business, measurement methods, and selected topics of interest. (C2)

130 College Algebra (3)
Real number properties, solving equations, inequalities, systems of equations, functions, and graphs.
135 Statistics, Functions, and Rates of Change (3)
Descriptive statistics, probability distributions, functions, and an introduction to derivatives.

140 Introductory Calculus (5)
The differential and integral calculus of algebraic functions of one variable. PREQ: 130 or consent of the director of mathematics placement.

144 Applied Trigonometry (3)
Topics including right triangles, trigonometric functions, graphing; basic identities, triangle solutions, and complex numbers; emphasis on applications. Credit not available for both MATH 144 and MATH 145. PREQ: 130.

145 Trigonometry (3)
Basic trigonometry: functions, identities, graphs, solution of equations and triangles, complex numbers; analytical trigonometry. Credit not available for both MATH 144 and MATH 145. PREQ: 130 or consent of the director of mathematics placement.

146 Precalculus (4)
Functions using equations, graphs, and numerical data; linear, exponential, logarithmic, trigonometric, polynomial, and rational functions; transformations, compositions, inverses, and combinations of functions; trigonometry with identities.

152 Engineering Calculus I (3)
Limits, continuity, derivatives of algebraic and trigonometric functions with applications. PREQ: 146, or consent of the director of mathematics placement.

153 Calculus I (4)
Limits, continuity, derivative, and integrals of algebraic and trigonometric functions with applications. PREQ: 146, or consent of the director of mathematics placement.

170 Applied Statistics (3)
Descriptive statistics, exploratory data analysis, probability distributions, correlation, regression, estimation, and hypothesis testing.

190 Mathematical Models of Population Growth (3)
Exponential, logistic, age-structured populations, metapopulation dynamics, viable population size, and probability of regional extinction.

191 Mathematics in Social Choice and Decision-Making (3)
This course covers topics from voting methods, weighted voting, fair division, apportionment and game theory.

230 Theory of Arithmetic I (3)
Logic, sets, relations, mathematical systems, counting, numeration systems, and algorithms for whole numbers.

231 Theory of Arithmetic II (3)
Measurement (metric system), number theory: integers, rationals, irrationals, and reals. PREQ: 230.

250 Introduction to Logic and Proof (2)
An introduction to the principles of logic and the methods of proof necessary for the successful study of mathematics. Credit not available for both MATH 250 and CS 260. PREQ: or COREQ: 140 or 153.

252 Engineering Calculus II (3)
Integrals of algebraic and trigonometric functions with applications series. PREQ: 152, or consent of the director of mathematics placement.

253 Engineering Calculus III (3)
Multivariable calculus, partial derivatives, multiple integrals, Green’s Theorem. PREQ: 252, or consent of the director of mathematics director.
255 Calculus II (4)  
Derivatives and integrals of transcendental functions, techniques of integration, indeterminate forms, improper integrals, infinite series. PREQ: 153.

256 Calculus III (4)  
Plane curves, polar coordinates, vectors and solid analytical geometry, vector-valued functions, partial differentiation, multiple integrals. PREQ: 255.

270 Statistical Methods I (3)  
Descriptive statistics, probability and sampling distributions, estimation, hypothesis testing. PREQ: 170 or 146.

300 Problem Solving (2)  
Methods and techniques for problem solving in mathematics. 1 Lecture, 2 Lab.

301 History of the Scientific Revolution (3)  
A study of the role of science in Western culture from classical antiquity to the seventeenth century. (P3)

310 (CS 310) Discrete Structures (3)  
Graph theory: planarity, eulerian, hamiltonian, colorings, and trees. Enumeration: permutations, combinations, binomial distribution, generating functions, recurrence relations, and inclusion-exclusion. PREQ: Junior standing or permission of instructor.

311 Informal Geometry (3)  
Points, lines, planes, constructions; axiomatic structure of geometry and the nature of proof. PREQ: 230 and 231.

320 Ordinary Differential Equations (3)  
Differential equations of first order, first degree with applications; linear equations of higher order and numerical methods; special equations of second order. PREQ: 256.

350 Operations Research (3)  
Convexity, linear programming, simplex algorithm, duality, transportation problems, and integer programming. PREQ: 362; 255.

361 Introduction to Abstract Algebra (3)  
Groups, rings, and fields. PREQ: 250.

362 Introduction to Linear Algebra (3)  

370 Probability and Statistics I (3)  
Elementary probability, discrete and continuous random variables, expectation, moments, sampling distributions, probability distributions, estimation, and hypothesis testing. PREQ: 255.

375 Statistical Methods II (3)  
Analysis of variance, regression, and correlation; analysis of categorical data; distribution-free procedures. PREQ: 270.

386 Practicum (2)  
Practical experience under faculty supervision for prospective teachers as teaching aides and as tutors. PREQ: MATH 255; permission of department head. 5 Lab.

389 Cooperative Education in Mathematics (1 or 3, R15)  
See Cooperative Education Program.

393 Topics in Mathematics (1-6, R6)  
PREQ: Permission of department head.
400 History of Mathematics (3)
The development of mathematics from a historical perspective. Topics include elementary number theory, probability, algebra, geometry, trigonometry, and calculus. PREQ: 153 or 140 or permission of department head.

411 Foundations in Geometry (3)
Axiomatic approach to the study and development of Euclidean and non-Euclidean geometry. PREQ: Junior standing or permission of department head.

412 Modern Geometries (3)
Finite geometries, transformations, motions of the Euclidean plane and three-space, similarity transformations, convexity, and other topics. PREQ: Junior standing or permission of department head.

415 Methods and Materials for Teaching Mathematics in the Secondary School (3)
A survey of contemporary trends and issues in teaching mathematics at the secondary level. Methods, materials, curriculum, and other current practices are included. PREQ: Admission to the professional education sequence; EDSE 322.

422 Advanced Calculus I (3)
Sequences of real numbers, continuous functions, and differentiation. PREQ: 250 and 255.

423 Advanced Calculus II (3)
Differentiation including L'Hospital's rule and Taylor's theorem; integration theory; other classical topics. PREQ: 422.

424 Complex Variable Theory (3)
The complex number system, limits, continuity, derivatives, transcendental and multiple-valued functions, integration. PREQ: 256.

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: 362; 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: 362.

470 Probability and Statistics II (3)
Point and interval estimation, hypothesis testing, decision theory, likelihood ratio and sequential testing, correlation and regression. PREQ: 370.

479 Capstone: Seminar (2)
A course requiring written papers and oral presentations by students on historical and contemporary ideas from the current mathematical literature. PREQ: Senior standing.

491 Supervised Student Teaching in Mathematics, 9-12 (3)
A full-time supervised teaching experience in the discipline. COREQ: EDSE 490, 495.

Graduate Courses
500 History of Mathematics (3)
507 Survey of Algebra (3)
508 Survey of Analysis (3)
509 Mathematics for Secondary Teachers (3)
511 Foundations in Geometry (3)
512 Modern Geometry (3)
522 Advanced Calculus I (3)
523 Advanced Calculus II (3)
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)
524 Complex Variable Theory (3) 646 Numerical Linear Algebra (3)
541 Introduction to Numerical Analysis (3) 670 Advanced Statistical Theory (3)
561 Abstract Algebra (3) 672 Advanced Statistical Methods (3)
562 Linear Algebra (3) 679 Master’s Project Course (1)
570 Statistical Theory II (3) 693 Topics in Mathematics (1-6, R6)
589 Cooperative Education in Mathematics (3, R6) 694 Topics in Mathematics Education (1-6, R6)
601 Modern Mathematics for Teachers I (3) 699 Thesis (3, R6)
602 Modern Mathematics for Teachers II (3) 779 Continuing Research—Non-Thesis Option (1, R10)
603 Modern Mathematics for Teachers III (3) 799 Continuing Research—Thesis Option (2, R24)
610 Teaching Mathematics with Technology (3)
620 Algebra (3)

DEPARTMENT OF MODERN FOREIGN LANGUAGES
Mark R. Couture, head

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

MAJOR IN FRENCH, B.A. DEGREE
This program is on inactive status and no new students are being enrolled.

MAJOR IN FRENCH, B.S.ED. DEGREE
This program is on inactive status and no new students are being enrolled.

Course Descriptions

Cherokee (CHER)
101 Experiencing Cherokee and the Cherokee-Speaking World (3)
Students develop basic knowledge of the Cherokee-speaking world. Using linguistic and content-based material, students will learn basic Cherokee. (P6)

132 Elementary Cherokee II (3)
Continued audio-lingual practice of basic imperatives, idioms on the imperative stem, verbs of motion and locationals, 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.

French (FREN)
101 Experiencing French and the Francophone World (3)
Students develop basic knowledge of the francophone world, and through that content, acquire basic functional proficiency in French. (P6)

102 Experiencing French and the Francophone World II (3)
Building on their knowledge of the francophone world, students increase their basic functional proficiency in French. PREQ: Some competency in French or consultation with the instructor. (P6)
105 The French-Speaking World (3)
Study of French culture and its relationship to the cultures of countries and regions where French is spoken.

110 Experiencing French and the Francophone World: Accelerated (6)
Students learn about the francophone world, acquiring basic linguistic proficiency in French. Three credits only in Liberal Studies. 4 Lecture, 5 Lab. (P6)

133 French for Travelers (2)
A practical guide to travel in French-speaking countries; basic conversational French, tourist information, and travel facts.

231 Intermediate French I, II (3, 3)
232 Continuation of written and oral French grammar; readings and discussions on French culture and civilization; readings in more specialized areas; lab practice may be assigned. PREQ: 102 or equivalent or placement for 231; 231 or equivalent or placement for 232.

240 Accelerated Second-Year French (6)
Continuation of 110; increased emphasis on reading, writing and the study of the culture of the francophone world. PREQ: 110 or permission of instructor. 4 Lecture, 5 Lab.

301 French for Everyday Use I (3)
Emphasis on enhancing oral and written communication skills in realistic everyday situations. PREQ: 232 or 240 or equivalent, or permission of department head.

302 French for Everyday Use II (3)
Emphasis on enhancing oral and written skills in realistic, everyday situations. PREQ: 232 or 240 or equivalent or permission of department head.

303 Applied French Conversation (3, R6)
Apprenticeship in the intensive language program. Does not count toward major, minor, or DFA in foreign languages. PREQ: 232 or 240, sophomore standing; selection by faculty. 10 Lab.

304 Commercial French I, II (3, 3)
305 Review of vocabulary and styles used in French business letters; various aspects of French business institutions. PREQ: 232 or 240.

310 Introduction to French Prose and Poetry (3)
Introduction to French literary texts; reading and analysis of literary works. PREQ: 232 or 240.

321 French Civilization (3)
Geographical, political, cultural, and historical aspects of France from its origins to the present. PREQ: 232 or 240. PREQ or COREQ: 301 or 302 or permission of department head.

322 Francophone Cultures (3)
A study of the cultures and regions in which French is a native or major language. PREQ: 232 or 240. PREQ or COREQ: 301 or 302 or permission of department head.

331 Survey of French Literature I, II (3, 3)
332 The main literary movements, authors, and works since the twelfth century; course division at the eighteenth century. PREQ: 232 or 240. PREQ or COREQ: 301 and 302 or permission of department head.

371 Twentieth-Century French Novels in Translation (3)
Selected works by Proust, Gide, Mauriac, Camus, Saint-Exupery, and Colette. No knowledge of French required; not open to French majors.

389 Cooperative Education in French (1 or 3, R15)
PREQ: 301, 302. See Cooperative Education Program.
393 Special Topics in French (1-3, R6)
PREQ: 232 or 240.

401 Contrastive Structures in French and English (3)
Study of similarities and differences of the two languages with an emphasis on the morphology, syntax, vocabulary, phonology, and issues concerning L2 acquisition. PREQ or COREQ: 301, 302, or permission of department head.

420 Methods of Teaching Foreign Language (3)
Methods and materials for teaching second languages in grades K-12. PREQ: Admission to the professional education sequence; EDCI 321.

431 Studies in French Literature (3, R6)
Intensive study of an author or authors, a genre, movement, school, or literary period. PREQ: 232 or 240. PREQ or COREQ: 301 and 302 or permission of department head.

451 Advanced French Grammar (3)
Comprehensive study of the more difficult grammatical forms and usages. PREQ: 232 or 240. PREQ or COREQ: 301 and 302 or permission of department head.

452 Advanced French Conversation (3)
Discussion of selected topics, oral reports on assigned readings, situational dialogues emphasizing practical, everyday French. PREQ: 232 or 240. PREQ or COREQ: 301 and 302 or permission of department head.

481 Independent Studies in French (1-3, R6)
PREQ: 232 or 240. PREQ or COREQ: 301 and 302 or permission of department head.

Japanese (JPN)

101 Beginning Japanese I (3)

102 Beginning Japanese II (3)
Continued study of Japanese language and culture. Emphasis on speaking. PREQ: 101 or equivalent.

231 Intermediate Japanese I (3)
Continued study of Japanese language and culture, with emphasis on oral development. PREQ: 102 or equivalent.

232 Intermediate Japanese II (3)
Continued study of Japanese language and culture with emphasis on oral development. PREQ: 231 or equivalent.

Latin (LAT)

101 Beginning Latin I (3)
Students learn to analyze and understand Classical Latin texts through study of this progenitor language's logic system of word formation and sentence construction. (P6)

102 Beginning Latin II (3)
Continued study of basic Latin. (P6)

MAJOR IN GERMAN, B.A. DEGREE

Liberal Studies, 42 hours. It is strongly recommended that students who choose to major in foreign language meet part of this requirement by taking a course in a different language.
The German major requires 33 hours including 21 hours of German core courses and a 12-hour concentration.

**Required German Core Courses, 21 hours:**
- GER 231 Intermediate German I, 3 hours
- GER 232 Intermediate German II, 3 hours
  OR
- GER 240 Accelerated Second-Year German, 6 hours
- GER 301 German for Everyday Use I, 3 hours
- GER 302 German for Everyday Use II, 3 hours
- GER 321 German Civilization I, 3 hours
- GER 322 German Civilization II, 3 hours

A concentration of twelve hours selected from:

**German Language and Culture:**
6 hours selected from:
- GER 304 Introduction to Business German Culture, 3 hours
- GER 310 Introduction to German Prose and Poetry, 3 hours
- GER 331 Survey of German Literature I, 3 hours
- GER 332 Survey of German Literature II, 3 hours
- GER 431 Studies in German Literature, 3 hours

6 hours selected from:
- GER 393 Special Topics in German, PREQ: 232 or 240, 1-3 hours
- GER 401 Contrastive Features of German and English, 3 hours
- GER 451 Advanced German Grammar, 3 hours
- GER 452 Advanced German Conversation, 3 hours

**German Studies:**
6 hours selected from:
- GER 304 Introduction to Business German Culture, 3 hours
- GER 310 Introduction to German Prose and Poetry, 3 hours
- GER 331 Survey of German Literature I, 3 hours
- GER 332 Survey of German Literature II, 3 hours
- GER 393, Special Topics in German, PREQ 232 or 240, 1-3 hours
- GER 401 Contrastive Features of German and English, 3 hours
- GER 431 Studies in German Literature, 3 hours
- GER 451 Advanced German Grammar, 3 hours
- GER 452 Advanced German Conversation, 3 hours

Six hours selected from:
- HIST 221 European History to 1648, 3 hours
- HIST 222 European History since 1648, 3 hours
- HIST 330 Modern Germany, 3 hours
- PHIL 307 Liberty, System, and History in the Age of Revolutions, 3 hours
- PSC 215 European Political Systems, 3 hours

To complete the program, a total of 53 hours is required, including a minor, second major, or other approved program and general electives. At least 32 hours of the courses taken at WCU must be at the junior-senior level to meet one of the general university degree requirements. Students must maintain a minimum of 2.75 GPA in the major, and no grade below a C (2.0) for any required course in the major will be accepted.
# CURRICULUM GUIDE FOR GERMAN (GERMAN LANGUAGE AND CULTURE CONCENTRATION), B. S. DEGREE

## FRESHMAN YEAR

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<td>P1 Social Sciences</td>
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<td>P3 History</td>
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<td>P5 Fine &amp; Performing Arts</td>
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<td>MATH 101 Math Concepts</td>
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<td>CMHC 201 Communication</td>
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<td>JS 101 Jumpstart</td>
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## SOPHOMORE YEAR

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<td>P6 World Cultures</td>
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<td>GER 310 Poetry &amp; Prose</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

**English minor is 18 hours exclusive of ENGL 300 and those approved for LS credit.**

## SENIOR YEAR

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**English minor is 18 hours exclusive of ENGL 300 and those approved for LS credit.**

Total Hours for Degree: 128
Total Hours of Pre-requisites: 6

Students need a second major, minor or approved program. This suggested sequence shows an English minor (18 hrs.). Students must maintain a 2.75 GPA in the major. No grade below a C for any required
course in the major will be accepted. Since courses above 302 are not offered every year, in many cases a German major should take whatever upper level courses are offered in a given semester, provided he or she meets the prerequisites and corequisites (generally 301 or 302).

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

CURRICULUM GUIDE FOR GERMAN (GERMAN STUDIES CONCENTRATION), B. S. DEGREE

FRESHMAN YEAR

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

**History minor is 15 hours of UL electives, plus HIST 221-222 or 231-232

SENIOR YEAR

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</table>
**History minor is 15 hours of UL electives, plus HIST 221-222 or 231-232**

Total Hours for Degree: 128
Total Hours of Pre-requisites: 6

Students need a second major, minor or approved program. This suggested sequence shows a History minor (21 hrs.). Students must maintain a 2.75 GPA in the major. No grade below a C for any required course in the major will be accepted. Since courses above 302 are not offered every year, in many cases a German major should take whatever upper level courses are offered in a given semester, provided he or she meets the prerequisites and corequisites (generally 301 or 302). Students may finish earlier if they attend summer school at WCU or another approved institution.

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

**Liberal Studies, 42 hours.** It is strongly recommended that students who choose to major in a foreign language meet part of this requirement by taking a course in a different language.

The major requires 33 hours as follows:

I. **Intermediate, 6 hours**
   231-232 Intermediate German I and II or 240 Accelerated Second-Year German

II. **Language /Culture, 9 hours**
   301-302 German for Everyday Use I and II, 401 Contrastive Features of German and English

III. **Civilization and Culture, 6 hours**
   321-322 German Civilization I and II

IV. **Literature, 6 hours**
   Two courses selected from 310 Introduction to German Prose and Poetry, 331, 332 Survey of German Literature I and II, 431 Studies in German Literature

V. **Electives, 6 hours**
   Choose six hours from 304 Introduction to German Business Culture, 451 Advanced German Grammar, 452 Advanced German Conversation, 393 Special Topics in German, or literature courses listed above.

The professional education sequence (28 hours) for special subject teaching and general electives (22 hours) and EDEL 312 are required to complete the program. At least 32 hours of the courses taken at Western Carolina University must be at the junior-senior level to meet one of the general university degree requirements. Students must maintain a minimum 2.75 GPA in the major, and no grade below a C (2.0) for any required course in the major will be accepted.

**CURRICULUM GUIDE FOR GERMAN, B.S.ED. DEGREE**

**FRESHMAN YEAR**

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**SOPHOMORE YEAR**

**FALL SEMESTER**

**Course and Number**

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<tr>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>GER 301 Ger. for Everyday Use I</td>
<td>3</td>
</tr>
<tr>
<td>GER 321 German Civ I</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
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<tr>
<td>SPED 335 Teach. Except. Children</td>
<td>2</td>
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<tr>
<td>EDEL 312 Elem School Methods</td>
<td>3</td>
</tr>
<tr>
<td>P4 Jr-St Humanities</td>
<td>3</td>
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**SPRING SEMESTER**

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<tr>
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<tr>
<td>GER 302 German for Everyday Use II</td>
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<tr>
<td>GER 310 Intro Prose &amp; Poetry</td>
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<tr>
<td>GER 322 German Civ II</td>
<td>3</td>
</tr>
<tr>
<td>GER 393 Special Topics(via dist. Ed)</td>
<td>3</td>
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<tr>
<td>PSY 320 Child &amp; Adolescent Psy.</td>
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<td>EDSE 322 Methods of Teaching</td>
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After earning ninety hours, the student **must** file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

**JUNIOR YEAR**

**FALL SEMESTER**

<table>
<thead>
<tr>
<th>Course and Number</th>
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<tr>
<td>GER 401 Contrastive Features</td>
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<tr>
<td>GER 331 Survey of Lit I</td>
<td>3</td>
</tr>
<tr>
<td>GER 420 K-12 Methods</td>
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</tr>
<tr>
<td>GER 452 Advanced Conversation</td>
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<td>PSY 321 Educational Psychology</td>
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**SPRING SEMESTER**

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<tr>
<td>EDSE 490 Student Teaching</td>
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<td>EDSE 495 Student Teaching Seminar</td>
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**SENIOR YEAR**

<table>
<thead>
<tr>
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<th>Hrs.</th>
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<tbody>
<tr>
<td>GER 401 Contrastive Features</td>
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<tr>
<td>GER 331 Survey of Lit I</td>
<td>3</td>
</tr>
<tr>
<td>GER 420 K-12 Methods</td>
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</tr>
<tr>
<td>GER 452 Advanced Conversation</td>
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<tr>
<td>PSY 321 Educational Psychology</td>
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<tr>
<td>General Elective</td>
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<td><strong>18</strong></td>
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</tr>
</tbody>
</table>

Total Hours for Degree: **128**

Total Hours of Pre-requisites: **6**

Students must maintain a 2.75 GPA in the major. No grade below a C for any required course in the major will be accepted. Since courses above 302 are not offered every year, in many cases a German major should take whatever upper level courses are offered in a given semester, provided he or she meets the prerequisites and corequisites (generally 301 or 302).

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

**Course Descriptions**

**German (GER)**

**101 Experiencing German and the German-Speaking World I (3)**

Students develop basic knowledge about the German-speaking world, and through that content, acquire functional proficiency in German. (P6)
102 Experiencing German and the German-Speaking World II (3)
Students build on their functional proficiency in German as they build on their cultural and real-world knowledge of the German-speaking world. PREQ: Some competency in German or consultation with instructor. (P6)

110 Experiencing German and The German-Speaking World: Accelerated (6)
Students develop knowledge about the German-speaking world and through that content, acquire basic functional proficiency in German. Three credit hours only are applicable to Liberal Studies. 4 Lecture, 5 Lab. (P6)

190 Triumph and Tragedy Reflected in Modern German Film (3)
Modern German culture and values as seen in film.

231 Intermediate German I, II (3, 3)
232 Continuation of written and oral German grammar; readings and discussions on German culture and civilization; readings in more specialized areas; lab practice maybe assigned. PREQ: 102 or equivalent or placement for 231; 231 or equivalent or placement for 232.

240 Accelerated Second-Year German (6)
Continuation of 110; increasing emphasis on reading, writing, and the study of Germanic culture. PREQ: 110 or permission of instructor. 4 Lecture, 5 Lab.

301 German for Everyday Use I (3)
Emphasis on communicating in realistic situations in everyday, practical German. PREQ: 232 or 240 or equivalent, or placement, or permission of department head.

302 German for Everyday Use II (3)
Emphasis on communicating in realistic situations in everyday, practical German. PREQ: 232 or 240 or equivalent, or placement, or permission of department head.

303 Applied German Conversation (3, R6)
Apprenticeship in the intensive language program. Does not count toward major, minor, or DFA in foreign languages. PREQ: 232 or 240, sophomore standing, selection by faculty. 10 Lab.

304 Introduction to Business German Culture (3)
The development of students’ communicative competence while learning about the culture and language surrounding business German. PREQ: 301 or 302.

310 Introduction to German Prose and Poetry (3)
Introduction to German literary texts; reading and analysis of literary works. PREQ: 232 or 240.

321 German Civilization I, II (3, 3)
322 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)
332 Major literary movements, authors, and works since the twelfth century; course division at the nineteenth century. PREQ: 232 or 240. PREQ or COREQ: 301 and 302 or permission of department head.

389 Cooperative Education in German (1 or 3, R15)
PREQ: 301, 302. See Cooperative Education Program.

393 Special Topics in German (1-3, R6)
PREQ: 232 or 240.

401 Contrastive Features of German and English (3)
Study of similarities and differences of the two languages regarding phonology, morphology and syntax, and issues concerning L2 acquisition. PREQ: 232 or 240. PREQ or COREQ: 301 or 302, or permission of department head.
420 Methods of Teaching Foreign Language (3)
Methods and materials for teaching second languages in grades K-12. PREQ: Admission to the professional education sequence; EDSE 322.

431 Studies in German Literature (3, R6)
Intensive study of an author or authors, genre, literary movement, school, or literary period. PREQ: 232 or 240. PREQ or COREQ: 301 and 302 or permission of department head.

451 Advanced German Grammar (3)
Comprehensive study of the more difficult grammatical forms and usages. PREQ: 232 or 240. PREQ or COREQ: 301 and 302 or permission of department head.

452 Advanced German Conversation (3)
Discussion of selected topics; oral reports on assigned reading; situational dialogues emphasizing practical, everyday German. PREQ: 232 or 240. PREQ or COREQ: 301 and 302 or permission of department head.

481 Independent Studies in German (1-3, R6)
PREQ: 232 or 240. PREQ or COREQ: 301 and 302 or permission of department head.

491 Supervised Student Teaching, 9-12 (3)
A full-time supervised teaching experience in the discipline. COREQ: EDSE 490, 495.

MAJOR IN SPANISH, B.A. DEGREE

Liberal Studies, 42 hours. It is strongly recommended that students who choose to major in a foreign language meet part of this requirement by taking a course in a different language.

The major requires 33 hours as follows:

I. Intermediate, 6 hours
   231-232 Intermediate Spanish I and II or 240 Accelerated Second-Year Spanish

II. Language/Culture, 6 hours
   301-302 Topics of the Hispanic World I and II

III. Civilization and Culture, 6 hours
   321 Spanish Civilization, 322 Spanish-American Civilization

IV. Literature, 6 hours
   Two courses selected from 310 Introduction to Spanish Prose and Poetry, 330 Masterpieces of Spanish Peninsular Literature, 333 Masterpieces of Spanish-American Literature, 431 Studies of Spanish Peninsular Literature, 432 Studies in Spanish-American Literature

V. Electives, 9 hours
   Choose nine hours from 401 Contrastive Features of Spanish and English, 451 Advanced Spanish Grammar, 452 Advanced Spanish Conversation, 393 Special Topics in Spanish, or Literature courses listed above.

To complete the program, a total of 53 hours is required, including a minor, second major, or other approved program and general electives coursework. At least 32 hours of the courses taken at WCU must be at the junior-senior level to meet one of the general university degree requirements. Students must maintain a minimum of 2.75 GPA in the major, and no grade below a C (2.0) for any required course in the major will be accepted.
# CURRICULUM GUIDE FOR SPANISH, B.A. DEGREE

## FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Hrs.</th>
<th>SPRING SEMESTER</th>
<th>Hrs.</th>
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<tr>
<td><strong>Course and Number</strong></td>
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<td><strong>Course and Number</strong></td>
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<tr>
<td>SPAN 101 Span I</td>
<td>3</td>
<td>SPAN 102 Span II</td>
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<td>ENGL 101 Composition I</td>
<td>3</td>
<td>ENGL 102 Composition II</td>
<td>3</td>
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<tr>
<td>190 Series First Year Seminar</td>
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<td>P1 Social Sciences</td>
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<tr>
<td>P3 History</td>
<td>3</td>
<td>P5 Fine &amp; Performing Arts</td>
<td>3</td>
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<tr>
<td>MATH 101 Math Concepts</td>
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<td>CMHC 201 Communication</td>
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<td>JS 101 Jumpstart</td>
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<td><strong>Total</strong></td>
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## SOPHOMORE YEAR

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<tr>
<th>FALL SEMESTER</th>
<th>Hrs.</th>
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<td><strong>Course and Number</strong></td>
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<td>P1 Social Sciences</td>
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<td>P6 World Cultures</td>
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<td>HEAL or HSCC 123/101 Wellness</td>
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<td>General Elective</td>
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<td>HIST 222 Euro. History since 1517</td>
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<td>General Elective</td>
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## JUNIOR YEAR

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<th>Hrs.</th>
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<tr>
<td><strong>Course and Number</strong></td>
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<td>SPAN 301 Top. of the Hisp. World</td>
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<td>SPAN 302 Top. of the Hisp. World II</td>
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<tr>
<td>SPAN 321 Spanish Civ</td>
<td>3</td>
<td>SPAN 310 Poetry &amp; Prose</td>
<td>3</td>
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<td>P4 Jr-Sr Humanities</td>
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<td>SPAN 322 Spanish-American Civ</td>
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<td>HIST 361 Latin American History I</td>
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<td>18</td>
<td><strong>Total</strong></td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

## SENIOR YEAR

<table>
<thead>
<tr>
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<th>Hrs.</th>
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<td><strong>Course and Number</strong></td>
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<tr>
<td>SPAN 401 Contrastive Features</td>
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<td>SPAN 333 Spanish American Lit</td>
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<td>SPAN 330 Peninsular Lit</td>
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<td>SPAN 452 Advanced Conversation</td>
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<td>HIST Jr-Sr Elective</td>
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<td>General Electives</td>
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<td><strong>Total Hours for Degree:</strong></td>
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<td><strong>Total Hours of Pre-requisites:</strong></td>
<td>15</td>
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<tr>
<td><strong>Total Hours for Degree:</strong></td>
<td>128</td>
<td><strong>Total Hours of Pre-requisites:</strong></td>
<td>6</td>
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</table>

Students need a second major, minor or approved program. This suggested sequence shows a History minor (21 hrs.). Students must maintain a 2.75 GPA in the major. No grade below a C for any required course in the major will be accepted. Since courses above 302 are not offered every year, in many cases
a Spanish major should take whatever upper level courses are offered in a given semester, provided he or she meets the prerequisites and corequisites (generally 301 or 302).

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

MAJOR IN SPANISH, B.S.ED. DEGREE

**Liberal Studies, 42 hours.** It is strongly recommended that students who choose to major in a foreign language meet part of this requirement by taking a course in a different language.

**The major requires 33 hours as follows:**

**I. Intermediate, 6 hours**
231-232 Intermediate Spanish I and II or 240 Accelerated Second-Year Spanish

**II. Language/Culture, 9 hours**
301-302 Topics of the Hispanic World I and II, 401 Contrastive Features of Spanish and English

**III. Civilization and Culture, 6 hours**
321 Spanish Civilization, 322 Spanish-American Civilization

**IV. Literature, 6 hours**
Two courses selected from 310 Introduction to Spanish Prose and Poetry, 330 Masterpieces of Spanish Peninsular Literature, 333 Masterpieces of Spanish-American Literature, 431 Studies of Spanish Peninsular Literature, 432 Studies in Spanish-American Literature

**V. Electives, 6 hours**
Choose six hours from 451 Advanced Spanish Grammar, 452 Advanced Spanish Conversation, 393 Special Topics in Spanish, or literature courses listed above.

The professional education sequence (28 hours) for special subject teaching and general electives (22 hours), and EDEL 312 are required to complete the program. At least 32 hours of the courses taken at Western Carolina University must be at the junior-senior level to meet one of the general university degree requirements. Students must maintain a minimum 2.75 GPA in the major, and no grade below a C (2.0) for any required course in the major will be accepted.

**Minor in French**
This program is on inactive status and no new students are being enrolled.

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

**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.
### CURRICULUM GUIDE FOR SPANISH, B.S.ED. DEGREE

#### FRESHMAN YEAR

**FALL SEMESTER**  
Course and Number | Hrs.  
--- | ---  
SPAN 101 Spanish I | 3  
ENGL 101 Composition I | 3  
190 Series First Year Seminar | 3  
P3 History | 3  
MATH 101 Math Concepts | 3  
JS 101 Jumpstart | 0  
**Total:** 15  

**SPRING SEMESTER**  
Course and Number | Hrs.  
--- | ---  
SPAN 102 Spanish II | 3  
ENGL 102 Composition II | 3  
P1 Social Sciences | 3  
P5 Fine & Performing Arts | 3  
CMHC 201 Communication | 3  
**Total:** 15  

#### SOPHOMORE YEAR

**FALL SEMESTER**  
Course and Number | Hrs.  
--- | ---  
SPAN 231 Intermediate Spanish I | 3  
C5 Physical & Biological Sciences | 3  
P1 Social Sciences | 3  
HEAL or HSCC 123/101 Wellness | 3  
General Electives | 6  
**Total:** 18  

**SPRING SEMESTER**  
Course and Number | Hrs.  
--- | ---  
SPAN 232 Intermediate Spanish II | 3  
C5 Physical & Biological Sciences | 3  
P6 World Cultures | 3  
EDCI 231 Foundations of Education | 3  
General Electives | 6  
**Total:** 18  

#### JUNIOR YEAR

**FALL SEMESTER**  
Course and Number | Hrs.  
--- | ---  
SPAN 301 Top. of the Hisp. World I | 3  
SPAN 321 Spanish Civ | 3  
SPAN 432 Stud. in Latin Amer. Lit | 3  
SPED 335 Teach. Except. Children | 2  
EDEL 312 Elem. Meth. & Curr. | 3  
P4 Jr-Sr Humanities | 3  
**Total:** 17  

**SPRING SEMESTER**  
Course and Number | Hrs.  
--- | ---  
SPAN 302 Top. of the Hisp. World II | 3  
SPAN 310 Poetry & Prose | 3  
SPAN 322 Spanish American Civ | 3  
EDSE 322 Prin. & Meth. of Teaching | 2  
PSY 320 Child & Adolescent Psy. | 3  
General Elective | 3  
**Total:** 17  

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

#### SENIOR YEAR

**FALL SEMESTER**  
Course and Number | Hrs.  
--- | ---  
SPAN 401 Contrastive Features | 3  
SPAN 330 Peninsular Lit | 3  
SPAN 420 Spanish K-12 methods | 3  
SPAN 451 Advanced Grammar | 3  
PSY 321 Educational Psychology | 3  
General Elective | 3  
**Total:** 18  

**SPRING SEMESTER**  
Course and Number | Hrs.  
--- | ---  
EDSE 490 Student Teaching | 9  
EDSE 495 Student Teaching Seminar | 3  
**Total:** 12  

Total Hours for Degree: **128**  
Total Hours of Pre-requisites: **6**

Any notes or other information: Students must maintain a 2.75 GPA in the major. No grade below a C for any required course in the major will be accepted. Since courses above 302 are not offered every year, in many cases a Spanish major should take whatever upper level courses are offered in a given semester, provided he or she meets the prerequisites and corequisites (generally 301 or 302).

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

Spanish (SPAN)

101 Experiencing Spanish and the Spanish-Speaking World (3)
Students develop basic knowledge about the Spanish-speaking world and through that content acquire basic functional proficiency in Spanish. (P6)

102 Experiencing Spanish and the Spanish-Speaking World II (3)
Students build on their basic functional proficiency in Spanish as they build on their cultural and real-world knowledge of the Spanish-speaking world. PREQ: Some competency in Spanish or consultation with instructor. (P6)

104 Spanish for Educators, Law Enforcement and Health Care Professionals (3)
Students further develop basic language skills related to the contexts of schools, law enforcement, and health care. PREQ: 101 or equivalent.

105 The Spanish-Speaking World (3)
Study of Spanish culture and its relationship to the cultures of countries and regions where Spanish is spoken.

110 Experiencing Spanish and the Spanish-Speaking World Accelerated (6)
Students develop knowledge about the Spanish-speaking world, and through that content, acquire basic functional proficiency in Spanish. Three credit hours only applicable to Liberal Studies. 4 Lecture, 5 Lab. (P6)

190 Celluloid and Paper Dreams: Hispanic Literature and Film (3)
Hispanic culture as expressed in film and literature.

231 Intermediate Spanish I (3)
Continued development of listening, speaking, reading, and writing; continued study of the culture of the Hispanic world. PREQ: 102 or equivalent or placement.

232 Intermediate Spanish II (3)
Continued development of listening, speaking, reading, and writing; continued study of the culture of the Hispanic world. PREQ: 231 or equivalent or placement.

240 Accelerated Second-Year Spanish (6)
Continuation of 110; increasing emphasis on reading, writing, and the study of culture of the Hispanic world. PREQ: Permission of instructor. 4 Lecture, 5 Lab.

301 Topics of the Hispanic World I (3)
Examination of topics of interest in the Hispanic world; enhancement of communicative abilities; to include student projects. PREQ: 232 or 240 or equivalent or placement, or permission of department head.

302 Topics of the Hispanic World II (3)
Examination of topics of interest in the Hispanic world; enhancement of communicative abilities; to include student projects. PREQ: 232 or 240 or equivalent, or placement or permission of department head.

303 Applied Spanish Conversation (3, R6)
Apprenticeship in the intensive language program. Does not count toward major, minor, or DFA in foreign languages. 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.

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.
294
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.

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.

401 Contrastive Features of Spanish and English (3)
Study of similarities and differences of the two languages regarding phonology, morphology, and syntax and issues concerning L2 acquisition. PREQ: 301 and 302, or permission of instructor.

420 Methods of Teaching Foreign Language (3)
Methods and materials for teaching second languages in grades K-12. PREQ: Admission to the professional education sequence; EDSE 322.

431 Studies in Spanish Peninsular Literature (3, R6)
Study of an author or authors, a genre, literary movement, school, or literary period of Spain. PREQ: 232 or 240. PREQ or COREQ: 301 and 302, or permission of department head.

432 Studies in Spanish-American Literature (3, R6)
Study of an author or authors, a genre, literary movement, school, or literary period of Latin America. PREQ: 232 or 240. PREQ or COREQ: 301 and 302, or permission of department head.

451 Advanced Spanish Grammar (3)
In-depth study of the structures and usage of the Spanish language. PREQ: 301 or permission of department head.

452 Advanced Spanish Conversation (3)
Discussion of selected topics; reports on assigned readings; situational dialogues in practical, everyday Spanish. PREQ: 302 or permission of department head.

481 Independent Studies in Spanish (1-3, R6)
PREQ: 301 and 302, or permission of department head.

491 Supervised Student Teaching, 9-12 (3)
A full-time supervised teaching experience in the discipline. COREQ: EDSE 490, 495.

DEPARTMENT OF MUSIC
Robert Kehrberg, head


To major in music, students must pass an audition in the principal performance area and take a music aptitude examination. Based on the audition and examination, MUS 105, 108, 118 may be required. These courses do not count toward degree requirements.
All music majors must pass a junior qualifying examination or recital in the principal applied area before a degree will be granted. All students on the B.S.Ed. degree plan must pass a senior performance examination or recital in the principal applied area. MUS 171, 172, 173, 371, 372, 373 must (unless exempted) reflect the applied study area; only one will count per semester.

Major in Music (39 hour required for all degree programs in Music)

Liberal Studies, 42 hours

The major requires 39 hours as follows:

MUS 107 Applied Music, 4 hours
MUS 148 and 149 Piano Class I, II, 2 hours (applied electives for piano majors)
*MUS 171, 172, or 173, 4 hours
MUS 207 Applied Music, 4 hours
MUS 208 Aural Skills II, 1 hour
MUS 218 Music Theory II, 3 hours (MUS 118 for B.M. Musical Theatre)
MUS 248 and 249, Piano Class III, IV, 2 hours (applied electives for piano majors)
MUS 308 and 309 Aural Skills III, IV, 2 hours
MUS 318 and 319, Music Theory III, IV, 6 hours (MUS 218, 318 for B. M. Musical Theatre)
MUS 358 Performance Laboratory, 6 semesters (0 credit class)
MUS 371 and/or 372 or 373, 2 hours
MUS 418 and 419, Music History I, II, 6 hours (MUS 101, 410 for B.M. Musical Theatre)
MUS 428 or 429, Choral or Instrumental Conducting, 3 hours
*All wind and percussion majors in the B.A. program must include a minimum of 1 hour in marching band; those in the B.S.Ed. program must include an additional hour of marching band (2 hours total).

You must select one of the following degrees and concentrations or options to complete the program:

BACHELOR OF ARTS IN MUSIC, B.A.

Liberal Studies, 42 hours

Major in Music, 39 hours

To complete the program, 47 hours, including a minimum of 21 hours at the junior-senior level are required and 6 hours of MFL 231-232 or 240. One of the following options or concentrations must be completed:

Music Industry Option: ACCT 161, MKT 301, CIS 251, BA 133, LAW 230, MGT 300, MUS 378, 9 hours MUS 489, 11 hours electives.
Minor, second major, or approved program, 41 hours.
BACHELOR OF SCIENCE IN EDUCATION IN GENERAL AND INSTRUMENTAL MUSIC, B.S.ED.

Liberal Studies, 42 hours

Major in Music, 39 hours

The program requires the following 12 hours: MUS 168, 169, 283, 325, 470, 4 hrs. of MUS 307; and one of the following concentrations, 6 hours:

General Music: 258, 259, 279, 2 hours from 407
Instrumental Music: 158, 272, 311, 312. If piano is the principal instrument, 3 hours in one secondary applied wind instrument or percussion is required in lieu of piano class. For keyboard, strings, and guitar, MUS 173 or MUS 373 will be the major ensemble, performance on secondary winds or percussion is required.

Professional education sequence (28 hours) for secondary and special teaching, including MUS 326 or 327.

One hour of electives is required to complete the program.

BACHELOR OF MUSIC, B.M.

Liberal Studies, 42 hours

Major in Music, 39 hours

Concentration: Commercial and Electronic Music, 26 hours

MUS 320 Materials in Popular Music and Jazz, 3 hours
MUS 379 Introduction to Recording Arts, 3 hours
MUS 383 Music in Media
or
MUS 480 Ind. Studies in Jazz Improvisation, 3 hours

MUS 479 Digital Audio Recording and Editing, 3 hours
or
MUS 426 Jazz Arranging and Composing, 3 hours
MUS 474 Entrepreneurship in Music, Senior Project, 3 hours

Eleven hours of music electives selected from: MUS 107, 207, 307, 407 Applied MIDI/Synthesis; MUS 181, 468, 469, 483, 484, or 489.

The program also requires the following: 6 hours in MFL (must be in one language), MUS 182, 283, 378, 470, and 4 hours of MUS 175 and/or 370.

Three hours of general university electives are required to complete the program.

Concentration: Performance 26 hours

MUS 305 Junior Recital, 1 hour
MUS 307 Applied, 4 hours
MUS 370 Ensemble 2 hours
Two hours selected from 371, 372, or 373
MUS 405 Senior Recital, 1 hour
MUS 407 Applied, 4 hours
Six hours selected from MUS 480 including one hour in each: pedagogy, literature and improvisation, voice majors must include MUS 258 and MUS 259
Six hours selected from MUS: 303, 420 or 425.
The program also requires the following: 6 hours in MFL (must be in one language), MUS 182, 283, 378, 470, and 4 hours of MUS 175 and/or 370.

Three hours of general university electives are required to complete the program.

**Concentration: Musical Theatre, 26 hours**

CMTA 130 Makeup, 1 hour  
CMTA 140, 340, Acting I and II, 6 hours  
CMTA 131 Introduction to Theatre, 3 hours  
PE 207 Fencing, 1 hour  
CMTA 231 Stagecrafts I, 3 hours  
DA 253 Social/Ballroom Dance, 1 hour  
DA 255 Tap, 1 hour  
MUS 305 Junior Recital or MUS 405 Senior Recital, 1 hour  
CMTA 341 Acting III, 3 hours or DA 258 Dance Techniques, 2 hours and DA 257, Dance Performance, 1 hour  
CMTA 350 Directing I or DA 301 Dance Choreography, 3 hours  
CMTA 401 History of the Theatre II, 3 hours

The program also requires the following: MUS 307 (4 hours) and 407 (4 hours); 4 hours of MUS 175 and/or 370 (music theatre scenes or shows); MUS 258, 378, and DA 256 and 257.

Three hours of general university electives are required to complete the program.

**Minor in Music**

Audition and permission of the department head are required to enroll in the minor. The minor requires 22 hours, including 108, 118, 208, 218, 308, 318; 3 semesters of 358 (0 credit); 2 hours of 106; 2 hours of 206; 4 hours in a major ensemble; and 2 hours of music electives.

**CURRICULUM GUIDE FOR MUSIC (MUSIC INDUSTRY OPTION), B.A. DEGREE**

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>Hrs.</th>
<th>SPRING SEMESTER</th>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>*MUS 107 Applied Major</td>
<td>2</td>
<td>MUS 107 Applied Major</td>
<td>2</td>
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<td>MUS 171, 172, or 173 Ensemble</td>
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<tr>
<td>MUS 358 Performance Lab</td>
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<td>*MUS 208 Aural Skills II</td>
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<td>*MUS 218 Music Theory II</td>
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<td>ENGL 101 Composition I</td>
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<td>ENGL 102 Composition II</td>
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<td>MATH 101 or higher Mathematics</td>
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<td>LS 1st year seminar</td>
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<td>C4 Wellness</td>
<td>3</td>
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<td>JS 101 Jumpstart</td>
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*PREQ: Audition or Placement Test

**SOPHOMORE YEAR**

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<th>Hrs.</th>
<th>SPRING SEMESTER</th>
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</table>
**PREQ: Sophomore Qualifying Exam**

**One semester of first-year MFL may be used to satisfy the Liberal Studies P6 category.**

***If not used for LS P6, the second semester of MFL may be used as general electives.***

### JUNIOR YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
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</thead>
<tbody>
<tr>
<td><strong>Course and Number</strong></td>
<td><strong>Course and Number</strong></td>
</tr>
<tr>
<td>MUS 371, 372, or 373 Ensemble</td>
<td>MUS 371, 372, or 373 Ensemble</td>
</tr>
<tr>
<td>MUS 358 Performance Lab</td>
<td>MUS 358 Performance Lab</td>
</tr>
<tr>
<td>MUS 418 Music History I</td>
<td>MUS 419 Music History II</td>
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<tr>
<td>MUS 378 Survey of Music Industry</td>
<td>MUS 428 or 429 Conducting</td>
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<td>MFL 231 Foreign Language</td>
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<td>MKT 301 Principles of Marketing</td>
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<td>*P3 History</td>
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<td>2</td>
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<td><strong>Total Hours:</strong> 18</td>
<td><strong>Total Hours:</strong> 16</td>
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*One non-Music Perspectives course must be at the 300 or 400 level.*

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

### SENIOR YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
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<td><strong>Course and Number</strong></td>
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<td>BA 133 Introduction to Business</td>
<td>MUS 489 Internship</td>
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<td>CIS 251 Management Info. Systems</td>
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<td>LAW 230 Legal Env. of Bus.</td>
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<td>MGT 300 Intro to Management</td>
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<tr>
<td><strong>Hrs.</strong></td>
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<tr>
<td><strong>Total Hours for Degree:</strong> 128</td>
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</table>

*One non-Music Perspectives course must be at the 300 or 400 level.*

**At least 3 hours of general electives must be at the 300-400 level.**

Total Hours of Pre-requisites: None, unless the musical aptitude placement exam requires the student to complete a leveling class in music theory (MUS 118, 3 hours) or aural skills (MUS 108, 1 hour).

An audition is required for admission to the major.
CURRICULUM GUIDE FOR MUSIC (WITH OUTSIDE MINOR OR SECOND MAJOR), B.A. DEGREE

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Hrs.</th>
<th>SPRING SEMESTER</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td><strong>MUS 107 Applied Major</strong></td>
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<td><strong>MUS 107 Applied Major</strong></td>
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<td>MUS 171, 172, or 173 Ensemble</td>
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<td>MUS 358 Performance Lab</td>
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<td>MUS 358 Performance Lab</td>
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</tr>
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<td><strong>MUS 208 Aural Skills II</strong></td>
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<td>MUS 308 Aural Skills III</td>
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</tr>
<tr>
<td><strong>MUS 218 Music Theory II</strong></td>
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<td>MUS 318 Music Theory III</td>
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<td>ENGL 101 Composition I</td>
<td>3</td>
<td>ENGL 102 Composition II</td>
<td>3</td>
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<tr>
<td>MATH 101 or higher Mathematics</td>
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<td>CMHC 201 Communication</td>
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<td>LS 1st year seminar</td>
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<td>C4 Wellness</td>
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<tr>
<td>JS 101 Jumpstart</td>
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*PREQ: Audition or Placement Test

SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Hrs.</th>
<th>SPRING SEMESTER</th>
<th>Hrs.</th>
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<td><strong>MUS 207 Applied Major</strong></td>
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<td>MUS 248 Piano III</td>
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<td>MUS 171, 172, or 173 Ensemble</td>
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<td>MUS 171, 172, or 173 Ensemble</td>
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<tr>
<td>MUS 358 Performance Lab</td>
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<td>MUS 358 Performance Lab</td>
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<td>MUS 309 Aural Skills IV</td>
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<td><strong>MFL 102 Foreign Language</strong></td>
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<td>MUS 319 Music Theory IV</td>
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<td>C5 Physical and Biological Sciences</td>
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<td><strong>MFL 101 Foreign Language</strong></td>
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<tr>
<td>C5 Physical &amp; Biological Sciences</td>
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<td>P5 Fine and Performing Arts</td>
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<td>P1 Social Sciences</td>
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</table>

*PREQ: Sophomore Qualifying Exam

**One semester of first-year MFL may be used to satisfy the Liberal Studies P6 category.

JUNIOR YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Hrs.</th>
<th>SPRING SEMESTER</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>MUS 371, 372, or 373 Ensemble</td>
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<td>MUS 371, 372, or 373 Ensemble</td>
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<td>MUS 358 Performance Lab</td>
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<td>MUS 358 Performance Lab</td>
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<tr>
<td>MUS 418 Music History I</td>
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<td>MUS 419 Music History II</td>
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<td>MFL 231 Foreign Language</td>
<td>3</td>
<td>MUS 428 or 429 Conducting</td>
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</tbody>
</table>

*One non-Music Perspectives course must be at the 300 or 400 level.

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

#### FALL SEMESTER
<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
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#### SPRING SEMESTER
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</table>

*At least 21 hours must be at the 300-400 level.

Total Hours for Degree: 128

Total Hours of Pre-requisites: None, unless the musical aptitude placement exam requires the student to complete a leveling class in music theory (MUS 118, 3 hours) or aural skills (MUS 108, 1 hour).

An audition is required for admission to the major.

### CURRICULUM GUIDE FOR MUSIC (GENERAL CONCENTRATION– VOICE AND KEYBOARD) B.S.ED. DEGREE

#### FRESHMAN YEAR

#### FALL SEMESTER
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<tbody>
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<td>*MUS 148 Piano I</td>
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<td>MUS 171 or 172 Ensemble</td>
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<tr>
<td>MUS 358 Performance Lab</td>
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<td>*MUS 208 Aural Skills II</td>
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<td>*MUS 218 Music Theory II</td>
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<td>MUS 258 Diction I</td>
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<td>ENGL 101 Composition I</td>
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<td>JS 101 Jumpstart</td>
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#### SPRING SEMESTER
<table>
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<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
<tr>
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<td>MUS 308 Aural Skills III</td>
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<td>MUS 318 Music Theory III</td>
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<td>**MUS 259 Diction II</td>
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<td>CMHC 201 Communication</td>
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</table>

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*PREQ: Audition or Placement Test

**Spring of even years only; otherwise, take C4 Wellness (3).

#### SOPHOMORE YEAR

#### FALL SEMESTER
<table>
<thead>
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<th>Hrs.</th>
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<td>MUS 319 Music Theory IV</td>
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<td>MATH 101 or higher Mathematics</td>
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<tr>
<td>C5 Physical &amp; Biological Sciences</td>
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<td>P1 Social Sciences</td>
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#### SPRING SEMESTER
<table>
<thead>
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<td>MUS 283 Music Technology</td>
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<td>**C4 Wellness</td>
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<td>C5 Physical &amp; Biological Sciences</td>
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<td>P5 Fine and Performing Arts</td>
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17

*PREQ: Sophomore Qualifying Exam

**If taken in Freshman year, take MUS 259 Diction II (2) and MUS 169 Classroom Guitar (1).
### JUNIOR YEAR

#### FALL SEMESTER
<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>*MUS 307 Applied Major</td>
<td>2</td>
</tr>
<tr>
<td>MUS 371 or 372 Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUS 358 Performance Lab</td>
<td>0</td>
</tr>
<tr>
<td>MUS 418 Music History I</td>
<td>3</td>
</tr>
<tr>
<td><strong>MUS 279 Wind &amp; Perc. Class</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>MUS 327 Choral Methods</strong></td>
<td>3</td>
</tr>
<tr>
<td>EDSE 322 Prin. &amp; Meth. of Teach.</td>
<td>2</td>
</tr>
<tr>
<td>****P1 Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>General Electives</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
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#### SPRING SEMESTER
<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>MUS 307 Applied Major</td>
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<tr>
<td>MUS 371 or 372 Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUS 358 Performance Lab</td>
<td>0</td>
</tr>
<tr>
<td>MUS 419 Music History II</td>
<td>3</td>
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<tr>
<td>MUS 428 Conducting</td>
<td>3</td>
</tr>
<tr>
<td>MUS 325 Music in Elem. &amp; Mid. Sch.</td>
<td>3</td>
</tr>
<tr>
<td>PSY 320 or 322 Child or Adol. Dev.</td>
<td>3</td>
</tr>
<tr>
<td>****P3 History</td>
<td>3</td>
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</tbody>
</table>

*PREQ: Junior Qualifying Exam

**Fall of even years only; otherwise, take MUS 168 String Class (1).**

***Fall of odd years only; otherwise, take P4 Humanities (3).***

****One non-Music Perspectives course must be at the 300 or 400 level.

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

### SENIOR YEAR

#### FALL SEMESTER
<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>MUS 407 Applied Major</td>
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<tr>
<td>*MUS 168 String Class</td>
<td>1</td>
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<tr>
<td>MUS 470 Orchestration</td>
<td>2</td>
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<tr>
<td>PSY 321 Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SPED 335 Teaching Except. Child.</td>
<td>2</td>
</tr>
<tr>
<td>**P4 Humanities</td>
<td>3</td>
</tr>
<tr>
<td>***P6 World Cultures</td>
<td>3</td>
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<tr>
<td><strong>Total</strong></td>
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#### SPRING SEMESTER
<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>MUS 491 Supervised Stud. Teaching</td>
<td>3</td>
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<tr>
<td>EDSE 490 Supervised Stud. Teaching</td>
<td>6</td>
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<tr>
<td>EDSE 495 Education Seminar</td>
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<td><strong>Total</strong></td>
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*If taken in Junior year, take MUS 279 Wind & Percussion Class (1).**

**If taken in Junior year, take MUS 327 Choral Methods (3).**

***One non-Music Perspectives course must be at the 300 or 400 level.

Total Hours for Degree: 128

Total Hours of Prerequisites: None, unless the musical aptitude placement exam requires the student to complete a leveling class in music theory (MUS 118, 3 hours) or aural skills (MUS 108, 1 hour).

An audition is required for admission to the major.

### CURRICULUM GUIDE FOR MUSIC (INSTRUMENTAL CONCENTRATION-WINDS AND PERCUSSION), B.S.ED. DEGREE

### FRESHMAN YEAR

#### FALL SEMESTER
<table>
<thead>
<tr>
<th>Course and Number</th>
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<tbody>
<tr>
<td>*MUS 107 Applied Major</td>
<td>2</td>
</tr>
<tr>
<td>*MUS 148 Piano I</td>
<td>1</td>
</tr>
<tr>
<td>**MUS 173 Ensemble</td>
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#### SPRING SEMESTER
<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
</tr>
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<tbody>
<tr>
<td>MUS 107 Applied Major</td>
<td>2</td>
</tr>
<tr>
<td>MUS 149 Piano II</td>
<td>1</td>
</tr>
<tr>
<td>MUS 173 Ensemble</td>
<td>1</td>
</tr>
</tbody>
</table>
MUS 358 Performance Lab | 0 |
*MUS 208 Aural Skills II | 1 |
*MUS 218 Music Theory II | 3 |
ENGL 101 Composition I | 3 |
MATH 101 or higher Mathematics | 3 |
LS 1st year seminar | 3 |
JS 101 Jumpstart | 0 |

17

**PREQ: Audition or Placement Test
**Two semesters of MUS 173/373 must be in marching band.

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>*MUS 207 Applied Major</td>
<td>2</td>
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<tr>
<td>MUS 248 Piano III</td>
<td>1</td>
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<tr>
<td>**MUS 173 Ensemble</td>
<td>1</td>
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<tr>
<td>MUS 358 Performance Lab</td>
<td>0</td>
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<tr>
<td>MUS 309 Aural Skills IV</td>
<td>1</td>
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<tr>
<td>MUS 319 Music Theory IV</td>
<td>3</td>
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<tr>
<td>MUS 158 Voice Class</td>
<td>1</td>
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<tr>
<td>MUS 168 String Class</td>
<td>1</td>
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<tr>
<td>C5 Physical &amp; Biological Sciences</td>
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<td>P1 Social Sciences</td>
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<table>
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<th>SPRING SEMESTER</th>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
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<tr>
<td>MUS 173 Ensemble</td>
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<tr>
<td>MUS 358 Performance Lab</td>
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<tr>
<td>MUS 169 Classroom Guitar Tech.</td>
<td>1</td>
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<tr>
<td>MUS 272 Percussion Methods</td>
<td>3</td>
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<td>MUS 283 Music Technology</td>
<td>3</td>
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<tr>
<td>C5 Physical &amp; Biological Sciences</td>
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<tr>
<td>EDCI 231 Foundations in Educ.</td>
<td>3</td>
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<tr>
<td>P5 Fine and Performing Arts</td>
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**PREQ: Sophomore Qualifying Exam
**Two semesters of MUS 173/373 must be in marching band

<table>
<thead>
<tr>
<th>JUNIOR YEAR</th>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>*MUS 307 Applied Major</td>
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<tr>
<td>MUS 373 Ensemble</td>
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<tr>
<td>MUS 358 Performance Lab</td>
<td>0</td>
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<tr>
<td>MUS 418 Music History I</td>
<td>3</td>
<td></td>
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<tr>
<td>MUS 311 Pedagogy of Brass</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUS 470 Orchestration</td>
<td>2</td>
<td></td>
<td></td>
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<tr>
<td>EDSE 322 Prin. &amp; Meth. of Teach.</td>
<td>2</td>
<td></td>
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<td>**P1 Social Sciences</td>
<td>3</td>
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<tr>
<td>General Electives</td>
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<table>
<thead>
<tr>
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<th>Course and Number</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>*MUS 307 Applied Major</td>
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<td></td>
</tr>
<tr>
<td>MUS 373 Ensemble</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>MUS 358 Performance Lab</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>MUS 419 Music History II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MUS 312 Pedagogy of Woodwinds</td>
<td>2</td>
<td></td>
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<tr>
<td>MUS 325 Music in Elem. &amp; Mid. Sch.</td>
<td>3</td>
<td></td>
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<tr>
<td>PSY 322 Adolescent Dev.</td>
<td>3</td>
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<tr>
<td>**P3 History</td>
<td>3</td>
<td></td>
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</tbody>
</table>

17

**PREQ: Junior Qualifying Exam
**One non-Music Perspectives course must be at the 300 or 400 level.

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

**FALL SEMESTER**
- Course and Number: MUS 326 Instructional Methods, Hrs: 3
- Course and Number: MUS 429 Conducting, Hrs: 3
- Course and Number: PSY 321 Educational Psychology, Hrs: 3
- Course and Number: SPED 335 Teach. Except. Children, Hrs: 2
- Course and Number: *P4 Humanities, Hrs: 3
- Course and Number: *P6 World Cultures, Hrs: 3

Total Hours: 17

*One non-Music Perspectives course must be at the 300-400 level.*

**SPRING SEMESTER**
- Course and Number: MUS 491 Supervised Stud. Teaching, Hrs: 3
- Course and Number: EDSE 490 Supervised Stud. Teaching, Hrs: 6
- Course and Number: EDSE 495 Education Seminar, Hrs: 3

Total Hours: 12

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**CURRICULUM GUIDE FOR MUSIC (COMMERCIAL AND ELECTRONIC MUSIC CONCENTRATION), B.M. DEGREE**

### FRESHMAN YEAR

**FALL SEMESTER**
- Course and Number: *MUS 107 Applied Major, Hrs: 2
- Course and Number: *MUS 148 Piano I, Hrs: 1
- Course and Number: **MUS 171, 172, or 173 Ensemble, Hrs: 1
- Course and Number: MUS 358 Performance Lab, Hrs: 0
- Course and Number: *MUS 208 Aural Skills II, Hrs: 1
- Course and Number: *MUS 218 Music Theory II, Hrs: 3
- Course and Number: ENGL 101 Composition I, Hrs: 3
- Course and Number: **MATH 101 or higher Math., Hrs: 1
- Course and Number: LS 1st year Seminar, Hrs: 3
- Course and Number: JS 101 Jumpstart, Hrs: 0

Total Hours: 17

*PREQ: Audition or Placement Test

**MIDI/Synthesis majors take MUS 181 (1).**

### SPRING SEMESTER
- Course and Number: MUS 107 Applied Major, Hrs: 2
- Course and Number: MUS 149 Piano II, Hrs: 1
- Course and Number: MUS 171, 172, or 173 Ensemble, Hrs: 1
- Course and Number: MUS 358 Performance Lab, Hrs: 0
- Course and Number: MUS 308 Aural Skills III, Hrs: 1
- Course and Number: MUS 318 Music Theory III, Hrs: 3
- Course and Number: ENGL 102 Composition II, Hrs: 3
- Course and Number: CMHC 201 Communication, Hrs: 3
- Course and Number: MUS 283 Music Tech. Class, Hrs: 1

Total Hours: 15

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**SOPHOMORE YEAR**

**FALL SEMESTER**
- Course and Number: *MUS 207 Applied Major, Hrs: 2
- Course and Number: MUS 248 Piano III, Hrs: 1
- Course and Number: **MUS 171, 172, or 173 Ensemble, Hrs: 1
- Course and Number: MUS 175 Ensemble, Hrs: 1
- Course and Number: MUS 358 Performance Lab, Hrs: 0
- Course and Number: MUS 309 Aural Skills IV, Hrs: 1
- Course and Number: MUS 319 Music Theory IV, Hrs: 3

**SPRING SEMESTER**
- Course and Number: MUS 207 Applied Major, Hrs: 2
- Course and Number: MUS 249 Piano IV, Hrs: 1
- Course and Number: MUS 171, 172, or 173 Ensemble, Hrs: 1
- Course and Number: MUS 175 Ensemble, Hrs: 1
- Course and Number: MUS 358 Performance Lab, Hrs: 0
- Course and Number: **MUS 383 Music/Audio in Media, Hrs: 3
- Course and Number: C4 Wellness, Hrs: 3
MUS 182 Comp. App. in Music 2 C5 Physical & Biological Sciences 3
**C5 Physical & Biological Sci. 3 P5 Fine & Performing Arts 3
P1 Social Sciences 3
17
17

PREQ: Sophomore Qualifying Exam
**Jazz majors substitute 3 hours of MUS 480 Jazz Improvisation (1, R3).
****MIDI majors take LS MATH course (3) if not taken freshman year; take C5 course later.

JUNIOR YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course and Number</td>
<td>Hrs.</td>
</tr>
<tr>
<td>MUS 371, 372, or 373 Ensemble</td>
<td>1</td>
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<tr>
<td>MUD 370 Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUS 358 Performance Lab</td>
<td>0</td>
</tr>
<tr>
<td>MUS 418 Music History I</td>
<td>3</td>
</tr>
<tr>
<td>*MUS 378 Surv. of Mus. Ind.</td>
<td>3</td>
</tr>
<tr>
<td>*MUS 379 Intro. to Record. Arts</td>
<td>3</td>
</tr>
<tr>
<td>P1 Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>***MFL Foreign Language</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>17</td>
</tr>
</tbody>
</table>

*Fall of even years only; in odd years, take MUS 320 (3) and LS P3 History (3).
**Spring of even years only; in odd years, take 3 hours of music electives. Jazz majors substitute MUS 426 Jazz Composing and Arranging (3).
***3 hours of MFL may meet LS P6 category; hours do not count toward both LS and major.

SENIOR YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
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<tbody>
<tr>
<td>Course and Number</td>
<td>Hrs.</td>
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<tr>
<td>MUS 428 or 429 Conducting</td>
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<td>*MUS 320 Materials in Pop. Music and Jazz</td>
<td>3</td>
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<tr>
<td>MUS Electives</td>
<td>3</td>
</tr>
<tr>
<td>***P3 History</td>
<td>3</td>
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<tr>
<td>***P4 Humanities</td>
<td>3</td>
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</tbody>
</table>

*Fall of odd years only; in even years, take MUS 378 (3) and MUS 379 (3)
**In even years, take MUS 479 (Jazz majors take 426).
***One non-Music Perspectives course must be at the 300 or 400 level.
****This LS course must be P6 if neither MFL course met the P6 category.

Total Hours for Degree: 128

Total Hours of Pre-requisites: None, unless the musical aptitude placement exam requires the student to complete a leveling class in music theory (MUS 118, 3 hours) or aural skills (MUS 108, 1 hour).

An audition is required for admission to the major.
# CURRICULUM GUIDE FOR MUSIC (VOCAL PERFORMANCE CONCENTRATION), B.M. DEGREE

## FRESHMAN YEAR

### FALL SEMESTER

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
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</thead>
<tbody>
<tr>
<td>*MUS 107 Applied Major</td>
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<tr>
<td>*MUS 148 Piano I</td>
<td>1</td>
</tr>
<tr>
<td>**MUS 171 or 172 Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUS 358 Performance Lab</td>
<td>0</td>
</tr>
<tr>
<td>*MUS 208 Aural Skills II</td>
<td>1</td>
</tr>
<tr>
<td>*MUS 218 Music Theory II</td>
<td>3</td>
</tr>
<tr>
<td>MUS 258 Diction I</td>
<td>1</td>
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<tr>
<td>ENGL 101 Composition I</td>
<td>3</td>
</tr>
<tr>
<td>LS 1st year Seminar</td>
<td>3</td>
</tr>
<tr>
<td>JS 101 Jumpstart</td>
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<tr>
<td>MUS 107 Applied Major</td>
<td>2</td>
</tr>
<tr>
<td>MUS 149 Piano II</td>
<td>1</td>
</tr>
<tr>
<td>MUS 171 or 172 Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUS 358 Performance Lab</td>
<td>0</td>
</tr>
<tr>
<td>MUS 308 Aural Skills III</td>
<td>1</td>
</tr>
<tr>
<td>MUS 318 Music Theory III</td>
<td>3</td>
</tr>
<tr>
<td>**MUS 259 Diction II</td>
<td>2</td>
</tr>
<tr>
<td>ENGL 102 Composition II</td>
<td>3</td>
</tr>
<tr>
<td>CMHC 201 Communication</td>
<td>3</td>
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</table>

*PREQ: Audition or Placement Test

**Spring of even years only; otherwise, take C4 Wellness (3).**

## SOPHOMORE YEAR

### FALL SEMESTER

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>*MUS 207 Applied Major</td>
<td>2</td>
</tr>
<tr>
<td>MUS 248 Piano III</td>
<td>1</td>
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<tr>
<td>**MUS 171 or 172 Ensemble</td>
<td>1</td>
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<td>MUS 175 Ensemble</td>
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<td>MUS 358 Performance Lab</td>
<td>0</td>
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<tr>
<td>MUS 309 Aural Skills IV</td>
<td>1</td>
</tr>
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<td>MUS 319 Music Theory IV</td>
<td>3</td>
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<td>MUS 283 Music Tech. Class</td>
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<td>MATH 101 or higher Mathematics</td>
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<tr>
<td>**C5 Physical &amp; Biological Sci.</td>
<td>3</td>
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### SPRING SEMESTER

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<td>MUS 171 or 172 Ensemble</td>
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<td>MUS 175 Ensemble</td>
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<td>MUS 358 Performance Lab</td>
<td>0</td>
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<tr>
<td>MUS 182 Comp. App. in Music</td>
<td>2</td>
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<td>**C4 Wellness</td>
<td>3</td>
</tr>
<tr>
<td>C5 Physical &amp; Biological Sciences</td>
<td>3</td>
</tr>
<tr>
<td>P5 Fine &amp; Performing Arts</td>
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*PREQ: Sophomore Qualifying Exam

**If taken in Freshman year, take MUS 259 Diction II (2).**

## JUNIOR YEAR

### FALL SEMESTER

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
<tr>
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<td>MUS 370 Ensemble</td>
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</tr>
<tr>
<td>MUS 358 Performance Lab</td>
<td>0</td>
</tr>
<tr>
<td>MUS 418 Music History I</td>
<td>3</td>
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<tr>
<td>**MUS 378 Surv. of Mus. Ind.</td>
<td>3</td>
</tr>
<tr>
<td>***MUS 480 Ind. Study</td>
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<td>P3 History</td>
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<td>****MFL Foreign Language</td>
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<tr>
<td>MUS 371 or 372 Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUS 370 Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUS 358 Performance Lab</td>
<td>0</td>
</tr>
<tr>
<td>MUS 419 Music History II</td>
<td>3</td>
</tr>
<tr>
<td>MUS 305 Junior Recital</td>
<td>1</td>
</tr>
<tr>
<td>MUS 303, 420, or 425</td>
<td>3</td>
</tr>
<tr>
<td>MUS 470 Orchestration</td>
<td>2</td>
</tr>
<tr>
<td>****MFL Foreign Language</td>
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</tr>
<tr>
<td>**</td>
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</table>

*PREQ: Junior qualifying exam.

**Fall of even years; otherwise, take LS P1 Social Science (3).

***One hour of 480 must be in each area; pedagogy, literature, improvisation.

****3 hours of MFL may meet LS P6 category; hours do not count toward both LS and major.
After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

**SENIOR YEAR**

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>Hrs.</th>
<th>SPRING SEMESTER</th>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
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<td>MUS 407 Applied Major</td>
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<td>MUS 371 or 372 Ensemble</td>
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<td>MUS 371 or 372 Ensemble</td>
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<tr>
<td>MUS 428 or 429 Conducting</td>
<td>3</td>
<td>MUS 405 Senior Recital</td>
<td>1</td>
<td></td>
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</tr>
<tr>
<td>*MUS 480 Ind. Study</td>
<td>2</td>
<td>MUS 303, 420, or 425</td>
<td>3</td>
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<tr>
<td>**P1 Social Sciences</td>
<td>3</td>
<td>***P1 Social Sciences</td>
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<tr>
<td>***P4 Humanities</td>
<td>3</td>
<td>****LS Elective</td>
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<tr>
<td>General Electives</td>
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<td>2</td>
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<td><strong>Total</strong></td>
<td><strong>16</strong></td>
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</table>

*One hour of 480 must be in each area: pedagogy, literature, improvisation.

**If taken in Junior year, take MUS 378 (3).

***One non-Music Perspectives course must be at the 300 or 400 level.

****This LS course must be P6 if neither MFL course met the P6 category.

Total Hours for Degree: 128

Total Hours of Pre-requisites: None, unless the musical aptitude placement exam requires the student to complete a leveling class in music theory (MUS 118, 3 hours) or aural skills (MUS 108, 1 hour).

An audition is required for admission to the major.

**CURRICULUM GUIDE FOR MUSIC (PERFORMANCE—WINDS, PERCUSSION, KEYBOARD), B.M. DEGREE**

**FRESHMAN YEAR**

<table>
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<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>Hrs.</th>
<th>SPRING SEMESTER</th>
<th>Course and Number</th>
<th>Hrs.</th>
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<td>MUS 107 Applied Major</td>
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<tr>
<td>*MUS 148 Piano I</td>
<td>1</td>
<td>MUS 149 Piano II</td>
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<tr>
<td>MUS 173 Ensemble I</td>
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<td>MUS 173 Ensemble</td>
<td>1</td>
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<tr>
<td>MUS 358 Performance Lab</td>
<td>0</td>
<td>MUS 358 Performance Lab</td>
<td>0</td>
<td></td>
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</tr>
<tr>
<td>*MUS 208 Aural Skills II</td>
<td>1</td>
<td>MUS 308 Aural Skills III</td>
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<tr>
<td>*MUS 218 Music Theory II</td>
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<td>MUS 318 Music Theory III</td>
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<td>ENGL 102 Composition II</td>
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<td>CMHC 201 Communication</td>
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<tr>
<td>LS First Year Seminar</td>
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<td>C4 Wellness</td>
<td>3</td>
<td></td>
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<tr>
<td>JS 101 Jumpstart</td>
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<td><strong>Total</strong></td>
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*Placement Test and Audition
### SOPHOMORE YEAR

#### FALL SEMESTER

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<th>Hrs.</th>
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<tr>
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<td>MUS 248 Piano III</td>
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<tr>
<td>MUS 173 Ensemble</td>
<td>1</td>
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<tr>
<td>MUS 175 Small Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUS 358 Performance Lab</td>
<td>0</td>
</tr>
<tr>
<td>MUS 309 Aural Skills IV</td>
<td>1</td>
</tr>
<tr>
<td>MUS 319 Music Theory IV</td>
<td>3</td>
</tr>
<tr>
<td>MUS 283 Music Technology Class</td>
<td>1</td>
</tr>
<tr>
<td>C5 Physical &amp; Biological Sciences</td>
<td>3</td>
</tr>
<tr>
<td>P1 Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
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</table>

**PREQ:** Sophomore Qualifying Exam

#### SPRING SEMESTER

<table>
<thead>
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<th>Hrs.</th>
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<tbody>
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<td>MUS 207 Applied Major</td>
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</tr>
<tr>
<td>MUS 249 Piano IV</td>
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</tr>
<tr>
<td>MUS 173 Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUS 175 Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUS 358 Performance Lab</td>
<td>0</td>
</tr>
<tr>
<td>MUS 182 Comp. App. In Music</td>
<td>2</td>
</tr>
<tr>
<td>C5 Physical &amp; Biological Sciences</td>
<td>3</td>
</tr>
<tr>
<td>P1 Social Sciences</td>
<td>3</td>
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<td><strong>Total</strong></td>
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</table>

### JUNIOR YEAR

#### FALL SEMESTER

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
</tr>
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<tbody>
<tr>
<td>*MUS 307 Applied Major</td>
<td>2</td>
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<td>MUS 373 Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUS 370 Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUS 358 Performance Lab</td>
<td>0</td>
</tr>
<tr>
<td>MUS 418 Music History I</td>
<td>3</td>
</tr>
<tr>
<td>MUS 470 Orchestration</td>
<td>2</td>
</tr>
<tr>
<td>**MUS 378 Survey of Music Ind.</td>
<td>3</td>
</tr>
<tr>
<td>MUS 480 Ind. Study</td>
<td>1</td>
</tr>
<tr>
<td>***MFL Foreign Language</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
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</tbody>
</table>

**PREQ:** Junior qualifying exam

**Fall of even years only; otherwise take LS P3 History (3)

***3 hours of MFL may meet LS P6 category; hours do not count toward both LS and major.

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

#### SPRING SEMESTER

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
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</thead>
<tbody>
<tr>
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<td>MUS 373 Ensemble</td>
<td>1</td>
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<tr>
<td>MUS 370 Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUS 358 Performance Lab</td>
<td>0</td>
</tr>
<tr>
<td>MUS 419 Music History II</td>
<td>3</td>
</tr>
<tr>
<td>MUS 305 Junior Recital</td>
<td>1</td>
</tr>
<tr>
<td>MUS 303, 420, or 425</td>
<td>3</td>
</tr>
<tr>
<td>MUS 480 Ind. Study</td>
<td>1</td>
</tr>
<tr>
<td>***MFL Foreign Language</td>
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### SENIOR YEAR

#### FALL SEMESTER

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<th>Hrs.</th>
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<tbody>
<tr>
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<tr>
<td>MUS 373 Ensemble</td>
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</tr>
<tr>
<td>MUS 370 Small Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUS 428 or 429 Conducting</td>
<td>3</td>
</tr>
<tr>
<td>*MUS 480 Ind. Study</td>
<td>2</td>
</tr>
<tr>
<td>**P3 History</td>
<td>3</td>
</tr>
<tr>
<td>**P4 Humanities</td>
<td>3</td>
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<tr>
<td>General Electives</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

**One hour of 480 must be in each area: pedagogy, literature, improvisation.

**One non-Music Perspectives course must be at the 300 or 400 level.

***This LS course must be P6 if neither MFL course met the P6 category.

#### SPRING SEMESTER

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 407 Applied Major</td>
<td>2</td>
</tr>
<tr>
<td>MUS 373 Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUS 370 Ensemble</td>
<td>1</td>
</tr>
<tr>
<td>MUS 405 Senior Recital</td>
<td>1</td>
</tr>
<tr>
<td>MUS 303, 420, or 425</td>
<td>3</td>
</tr>
<tr>
<td>MUS 480 Ind. Study</td>
<td>2</td>
</tr>
<tr>
<td>***LS Elective</td>
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<tr>
<td>General Electives</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>15</strong></td>
</tr>
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</table>

*One hour of 480 must be in each area: pedagogy, literature, improvisation.

**One non-Music Perspectives course must be at the 300 or 400 level.

***This LS course must be P6 if neither MFL course met the P6 category.

**Total Hours for Degree: 128**
Total Hours of Pre-requisites: None, unless the musical aptitude placement exam requires the student to complete a leveling class in music theory (MUS 118, 3 hours) or aural skills (MUS 108, 1 hour).

An audition is required for admission to the major.

**CURRICULUM GUIDE FOR MUSIC (MUSICAL THEATRE CONCENTRATION), B.M. DEGREE**

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>Hrs.</th>
<th>SPRING SEMESTER</th>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>MUS 358</td>
<td>Performance Lab</td>
<td>0</td>
<td>MUS 358</td>
<td>Performance Lab</td>
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</tr>
<tr>
<td>*MUS 107</td>
<td>Applied Music</td>
<td>2</td>
<td>MUS 107</td>
<td>Applied Music</td>
<td>2</td>
</tr>
<tr>
<td>MUS 171</td>
<td>or 172 Major Ensemble</td>
<td>1</td>
<td>MUS 171</td>
<td>or 172 Major Ensemble</td>
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<tr>
<td>*MUS 118</td>
<td>Music Theory I</td>
<td>3</td>
<td>MUS 218</td>
<td>Music Theory II</td>
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<tr>
<td>MUS 148</td>
<td>Piano I</td>
<td>1</td>
<td>MUS 208</td>
<td>Aural Skills II</td>
<td>1</td>
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<tr>
<td><strong>MUS 101</strong></td>
<td>Music Appreciation</td>
<td>3</td>
<td>MUS 149</td>
<td>Piano II</td>
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<tr>
<td>ENGL 101</td>
<td>Composition I</td>
<td>3</td>
<td>MUS 258</td>
<td>Diction I</td>
<td>1</td>
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<td>190 Series</td>
<td>First Year Seminar</td>
<td>3</td>
<td>ENGL 102</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>JS 101</td>
<td>Jumpstart</td>
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<td>C4 Wellness</td>
<td></td>
<td>3</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Elective</td>
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*Placement Test and Audition

**SOPHOMORE YEAR**

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<th>Hrs.</th>
<th>SPRING SEMESTER</th>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
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<td>Performance Lab</td>
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<td>MUS 358</td>
<td>Performance Lab</td>
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<tr>
<td>MUS 207</td>
<td>Applied Music</td>
<td>2</td>
<td>MUS 207</td>
<td>Applied Music</td>
<td>2</td>
</tr>
<tr>
<td>MUS 171</td>
<td>or 172 Major Ensemble</td>
<td>1</td>
<td>MUS 175</td>
<td>Music Theatre</td>
<td>1</td>
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<tr>
<td>MUS 248</td>
<td>Piano III</td>
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<td>MUS 249</td>
<td>Piano IV</td>
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</tr>
<tr>
<td>MUS 308</td>
<td>Aural Skills III</td>
<td>1</td>
<td>MUS 309</td>
<td>Aural Skills IV</td>
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<tr>
<td>MUS 318</td>
<td>Music Theory III</td>
<td>3</td>
<td>CMTA 140</td>
<td>Acting I</td>
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<tr>
<td>CMTA 341</td>
<td>or DA 258 Acting/Dance Tech.</td>
<td>3</td>
<td>CMTA 131</td>
<td>Intro. to Theatre</td>
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<td></td>
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<td>C5 Physical &amp; Biological Sciences</td>
<td>3</td>
<td></td>
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<tr>
<td>MUS 175</td>
<td>Small Ensemble</td>
<td>1</td>
<td>MUS 171</td>
<td>or 172 Major Ensemble</td>
<td>1</td>
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<tr>
<td>CMHC 201</td>
<td>Speech Comm.</td>
<td>3</td>
<td>Elective</td>
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<td>Makeup</td>
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|               |                            |      | 16              |                            |      |

**JUNIOR YEAR**

<table>
<thead>
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<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>Hrs.</th>
<th>SPRING SEMESTER</th>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>MUS 358</td>
<td>Performance Lab</td>
<td>0</td>
<td>MUS 358</td>
<td>Performance Lab</td>
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<tr>
<td>MUS 307</td>
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<td>Applied Music</td>
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<td>MUS 370</td>
<td>Music Theatre</td>
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<td>MUS 370</td>
<td>Music Theatre</td>
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<tr>
<td>DA 301</td>
<td>or CMTA 350 Directing I</td>
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<td>CMTA 340</td>
<td>Acting II</td>
<td>3</td>
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<tr>
<td>or Dance Choer.</td>
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<td>CMTA 231</td>
<td>Stagecrafts I</td>
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<td>P1 Perspectives Social Sciences</td>
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<tr>
<td>P3 Perspectives History</td>
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<td>C5 Core Physical and Biological Sci.</td>
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<tr>
<td>P4 Perspectives Humanities</td>
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<td>DA 253 Social/Ballroom</td>
<td>1</td>
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<tr>
<td>PE 207</td>
<td>Fencing</td>
<td>1</td>
<td>DA 255 Tap</td>
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|               |                            |      | 16              |                            |      |

**Elective**

**May not count in Liberal Studies**
After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

SENIOR YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>Hrs.</th>
<th>SPRING SEMESTER</th>
<th>Course and Number</th>
<th>Hrs.</th>
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<td>2</td>
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<td>2</td>
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</tr>
<tr>
<td>*MUS 378 Survey of the Music Industry</td>
<td>3</td>
<td>MUS 405 Senior Recital</td>
<td>1</td>
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<tr>
<td>DA 256 Jazz</td>
<td>1</td>
<td>CMTA 402 History of Theatre</td>
<td>3</td>
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<tr>
<td>DA 257 Dance Perf.</td>
<td>1</td>
<td>MUS 410 Hist. of Am. Mus.</td>
<td>3</td>
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<tr>
<td>MUS 370 Music Theatre</td>
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<td>MUS 370 Music Theatre</td>
<td>1</td>
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</tr>
<tr>
<td>Elective</td>
<td>1</td>
<td>MUS 428 or 429 Conducting</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P5 Jr.-Sr. Fine and Perf. Arts</td>
<td>3</td>
<td>P6 Perspectives World Cultures</td>
<td>3</td>
<td></td>
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</tr>
<tr>
<td>C2 101 Math</td>
<td>3</td>
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Total Hours for Degree: 128

All students must complete an audition to enter the major.

Course Descriptions

MUSIC (MUS)

101 Music Appreciation (3)
Introduction to the materials, performing media, and fundamental principles of music in the context of the western classical tradition. (P5)

102 Music in American Culture (3)
American history as reflected in folk, popular, and art music from 1607 to the present.

108 Aural Skills I: Fundamentals of Sight Singing (1)
Aural analysis and sightsinging of intervals, scales, chords, and simple meters using solfege syllables. PREQ: Placement exam or permission of the department head. 2 Lab.

110 Introduction to Instrumental Ensembles (1)
Introduction to playing in instrumental ensembles using fundamentals required to function in a group setting. 4 Lab.

111 Introduction to Vocal Ensemble (1)
Rehearsal and performance of a variety of choral works; audition required. 3 Lab.

112 Introduction to Piano (1)
Group lessons in piano and the fundamentals of music for students who do not read music. 2 Lab.

113 Introduction to Singing (1)
Group lessons in voice and the fundamentals of music for students who do not read music. 2 Lab.

118 Fundamentals of Music Theory (3)
Fundamentals of music notation: keys, modes, scales, traidis, seventh chords, 2-part counterpoint, ranges and transpositions of instruments, elementary analysis and composition; basic Finale notation. PREQ: Placement exam or permission of the department head.

148 Piano Class I (1)
Basic functional keyboard skills. PREQ: Permission of department head. 2 meetings.

149 Piano Class II (1)
Basic functional keyboard skills. PREQ: 148. 2 meetings.
158 Voice Class I (1)
Fundamental voice instruction. 2 meetings.

159 Voice Class II (1)
Fundamental voice instruction. 2 meetings.

168 String Class (1)
Playing stringed instruments; basic technical problems and teaching techniques. 2 meetings.

169 Classroom Guitar Technique (1)
Basic technical problems and teaching techniques. 2 meetings.

181 Introduction to MIDI/Synthesis (1)
Survey of MIDI devices, synthesis techniques, and contemporary music technology. PREQ: Permission of instructor. 2 Lab.

182 Computer Applications in Music (2)
Use of the computer to prepare parts and scores, and to orchestrate and arrange music. PREQ: 208, 218 or permission of the instructor.

184 Functional Jazz Keyboard (1, R2)
Functional keyboard skills in jazz and popular styles. PREQ: 208, 218 or permission of the instructor. 2 meetings.

190 First-Year Seminar (3)
Variable topics such as jazz, rock music, music and community, music technology, etc. See schedule of classes for topic of each section.

208 Aural Skills II: Basic Tonal Functions (1)
Aural analysis and performance of basic tonal functions, modulation, simple tonal forms, simple and compound meters. PREQ: 108, placement exam, or permission of department head.

218 Music Theory II: Tonal Harmony (3)
Introduction to tonal functions: non harmonic tones, tonicization, modulation, 4-part voice-leading, analysis and composition of simple forms; introduction to computer-based music engraving. PREQ: 118 and/or placement exam or permission of department head.

248 Piano Class III (1)
Continuation of keyboard skill development. 2 meetings. PREQ: 149.

249 Piano Class IV (1)
Piano proficiency completion. 2 meetings. PREQ: 248.

258 Diction for Singers I (1)
Fundamentals of the International Phonetic Alphabet and the principles utilized in a singing pronunciation of English and Italian.

259 Diction for Singers II (2)
Continuation of the International Phonetic Alphabet and the principles utilized in a singing pronunciation of German and French. PREQ: 258 or permission of instructor.

270 Brass Class I (1)
Brass performance and pedagogy related to trumpet. 2 meetings.

271 Woodwind Class I (1)
Playing clarinet and saxophone; basic technical problems and teaching techniques. 2 meetings.

272 Percussion Class (1)
Playing percussion instruments; basic technical problems and teaching techniques. 2 meetings.
273 Brass Class II (1)
Playing horn and low brass; basic technical problems and teaching techniques. PREQ: 270.
2 meetings.

274 Woodwind Class II (1)
Playing flute and double reeds; basic technical problems and teaching techniques. 2 meetings.

279 Wind and Percussion Class I (1)
Class for voice and keyboard music majors, music minors, and music focus area students. 2 Lab.

283 Music Technology Class (1)
Topics, equipment, and pedagogy of music technology. PREQ: Placement test or 108 and 118. 1 hour of lecture/demonstration.

301 Basic Skills (1)
Music fundamentals and elementary performance skills. 2 Lab.

303 The World of Music (3)
Musical traditions of various world cultures in their social contexts. PREQ: Junior-level status.

304 Jazz Appreciation (3)
Introduction to the materials, performing media, fundamental principles, and performers of American jazz in a social and historical context. (P5)

308 Aural Skills III: Advanced Tonal Functions (1)
Aural analysis and performance of advanced forms and chromatic tonal functions; 4-part dictation and performance, and complex meters. PREQ: 208. 2 Lab.

309 Aural Skills IV: Jazz and Commercial Music (1)
Aural identification of common commercial chord groups, progressions, and musical forms including: blues, rhythm changes, and “American Song” form; basic improvisation. PREQ: 308. 2 Lab.

311 Pedagogy of Brass Instruments (2)
Teaching methodology and materials for brass instruments in a beginning band setting, including basic performance proficiency on each instrument. 1 Lecture, 2 Lab. 3 meetings/week.

312 Pedagogy of Woodwind Instruments (2)
Teaching methodology and materials for woodwind instruments in beginning band setting, including basic performance proficiency on each instrument. 1 Lecture, 2 Lab. 3 meetings/week.

318 Music Theory III: Advanced Forms and Chromaticism (3)
Analysis and composition of advanced musical forms: sonata, rondo, episodic, etc., nineteenth-century chromaticism, intermediate computer-based music engraving. PREQ: 218.

319 Music Theory IV: Twentieth Century Styles (3)
Analysis and composition of twentieth century musical styles including jazz and commercial music; basic orchestration and advanced computer-based music engraving. PREQ: 318.

320 Materials in Popular Music and Jazz (3)
The basics of music theory and the development of aural skills pertaining to popular song and jazz. PREQ: 319 or permission of instructor.

325 Music in the Elementary and Middle School (3)
Problems in teaching and supervising the music program in the elementary and middle school. PREQ: 319; admission to the teacher education program.
326 Instrumental Methods and Materials (3)
Methods and materials used in instrumental teaching. PREQ: Admission to teacher education, EDSE 322.

327 Choral Methods and Materials (3)
Methods and materials used in developing the school choral program. PREQ: Admission to teacher education; EDSE 322.

378 Survey of the Music Industry (3)
The retail and wholesale music trade: publishing, royalties, copyright, performance rights, record production, advertising and promotion, labor relations, contracts, artist management.

379 Introduction to Recording Arts (3)
The audio recording process including the acoustics of sound, microphone design, signal path, audio console theory, and digital signal processing. PREQ: 181, 283 or permission of instructor.

383 Music and Audio in Media (3)
Recording, editing, importing, embedding and synchronizing in a variety of media formats including compact disc, video, instructional presentation, and the World Wide Web.

389 Cooperative Education in Music (1 or 3, R15)
See Cooperative Education Program.

403 Marching Band Techniques (2)
PREQ: 326.

410 History of American Musical Theatre (3)
A study of the development of the Musical in the United States, tracing its development from 17th Century sources. (P5)

418 Music History I: Music Before 1750 (3)
Music history from the roots of Western civilization to the end of the Baroque. PREQ: 318 or permission of the department head and instructor.

419 Music History II: Music after 1750 (3)
Music history from the end of the Baroque to the present. PREQ: 319 or permission of the department head and instructor.

420 Studies in Music Literature (3, R9)
Historical and theoretical study of various forms of music literature. PREQ: 419 or permission of the instructor.

425 Twentieth-Century Music (3)
Historical and theoretical issues in twentieth-century music. PREQ: 419.

426 Jazz Arranging and Composing (3)
Basic tools of creative arranging and composing for small jazz ensembles. PREQ: 320 or permission of instructor.

428 Choral Conducting (3)
Study and application of gesture communication and analysis to choral conducting. PREQ: 309, 319.

429 Instrumental Conducting (3)
Application of techniques and analysis to instrumental conducting. PREQ: 309, 319.

468 Scoring for Film and Video (3)
Materials and procedures in producing music in synchronization with film and video. PREQ: Grade of “C” or better in MUS 319.
Music in Motion Pictures (3)
The study of music composed for motion pictures, process and procedures, selected biographies, representative films, and a brief chronology.

Orchestration and Arranging (2)
Scoring and arranging for instrumental and vocal ensembles. PREQ: 283, 319.

Entrepreneurship in Music, Senior Project (3)
The study and application of skills needed in professional music related fields: senior project, resume, and multi-media portfolio required. PREQ: 378 or permission of instructor.

Digital Audio Recording and Editing (3)
Non-linear digital audio production for recording, editing, arranging and mixing of digital audio and MIDI. PREQ: 379 or permission of instructor.

Independent Study (1-3, R9)
PREQ: Permission of the instructor; music major.

Internship (3, 6, 9, R9)
Faculty-supervised training in an approved agency. Minimum of 9 hours per week or 135 hours for each 3 credits, arranged with the agency and the music department. PREQ: 378, permission of department head. S/U grading.

Supervised Student Teaching in Music, K-12 (3)
A full-time supervised teaching experience in Music. COREQ: EDSE 490, 495.

Topics in Music (1-3, R12)
Issues in music performance, education, or the music business. PREQ: Permission of department head.

Seminar in Piano Pedagogy (1, R4)
PREQ: Approval of instructor. 2 Lab.

Seminar in Accompanying (1, R4)
PREQ: Approval of instructor. 2 Lab.

Graduate Courses
503 Marching Band Techniques (2)
504 Topics in Music (1-3, R9)
520 Studies in Music Literature (3, R9)
525 Twentieth-Century Music (3)
592 Orff-Schulwerk Level I (3)
593 Topics in Music (1-3, R12)
597 Seminar in Piano Pedagogy (1, R4)
598 Seminar in Accompanying (1, R4)
601 Writing About Music (1)
611 Applied Music (1, R4)
612 Applied Music (2, R8)
613 Applied Music (3, R9)
614 Applied Conducting (1, R4)
615 Applied Composition (2, R8)
621 History of Musical Theory (3)
622 Influences of Folk Traditions on Western Art Music (3)
640 Seminar in Music Pedagogy (3, R6)
650 Advanced Flute Repair (2, R8)
679 Lecture/Recital (3, R6)
680 Independent Study (1, R6)
693 Orff-Schulwerk Level II (3)
694 Orff-Schulwerk Level III (3)
695 Music Education Seminar (3)
699 Thesis (3)

Performance Courses
105 Applied Preparatory (2)
Applied music study with one hour of private instruction and one hour master class each week. PREQ: Audition or permission of the department head. Studio.

106 Applied Minor (1, R3)
Applied music study with one-half hour private instruction per week. PREQ: Audition or permission of the department head. 30-minute music lesson. Studio.

107 Applied Major (2, R6)
Applied music with one hour of private instruction and one hour master class each week. PREQ: Audition or permission of the department head. Studio.
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.

206 Applied Minor (1, R3)
One thirty-minute private lesson per week. PREQ: Two semesters of MUS 106. Studio.

207 Applied Major (2, R6)
Applied music with one hour of private instruction and one hour master class each week. PREQ: Successful sophomore qualifying exam or audition and permission of the department head. Studio.

284 Synthesizer Masterclass (1, R8)
Group lessons in MIDI/Synthesis for secondary students. PREQ: 181 and 182 or permission of instructor.

305 Junior Recital (1)
Public performance. May be scheduled after hearing committee approval and completion of junior-qualifying examination. PREQ: Junior-level qualifying examination.

306 Applied Minor (1, R3)
One thirty-minute private lesson per week. PREQ: Two semesters of MUS 206. Studio.

307 Applied Major (2, R6)
Applied music with one hour of private instruction and one hour master class each week. PREQ: Successful junior qualifying examination or audition and permission of the department head. Studio.

358 Performance Laboratory (0)
 Attend ten approved music performances. S/U grading.

370 Ensemble (1, R12)
Performance in vocal and instrumental ensembles.

371 University Chorus (1, R8)
Study and performance of representative choral works; open to any student meeting eligibility requirements. 3 meetings.

372 Concert Choir (1, R8)
Audition required; public performances. 4 meetings.

373 Band (1, R8)
Performance in a wide variety of music in the marching, symphonic, and concert bands; open to any student meeting eligibility requirements. 4 meetings.

374 Orchestra (1, R8)
Experience for advanced strings, wind, and percussion players; formal concerts and performances.
405 Senior Recital (1)
Public performance. May be scheduled after hearing committee approval. PREQ: 305.

407 Applied Major (2, R6)
Applied music with one hour of private instruction and one hour master class each week. PREQ: Audition or permission of the department head. Studio.

Graduate Courses
611 Applied Music (1, R4) 613 Applied Music (3, R9)
612 Applied Music (2, R8) 675 Ensemble (1, R6)

ASSOCIATED AREA OF PHILOSOPHY AND RELIGION
J. McLachlan, coordinator
D. Hale, C. Hoyt, N. Scott

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

MAJOR IN PHILOSOPHY, B.A. DEGREE
Liberal Studies, 42 hours

The major in Philosophy with a Literature of Philosophy Concentration requires MFL 231-232 or 240, 6 hours and 30 hours as follows:

Literature of Philosophy Concentration
I. Foundations of Humanities — 6 hours
PAR 102 Western Moral Traditions, 3 hours
PAR 230 Legal, Scientific, and Critical Reasoning, 3 hours

II. History of Philosophy — 9 hours
*PAR 304 Justice, Power, and Human Nature in the Ancient Greek Polis, 3 hours
PAR 305 Medieval & Reformation Theology: Divine Foreknowledge, Free Will, & Justification by Faith, 3 hours
*PAR 306 Science, Reason, and Autonomy in the Enlightenment, 3 hours
PAR 307 From Existentialism to Feminism, 3 hours
PAR 308 From Pragmatism to Postmodernism, 3 hours

(*denotes required courses in the History of Philosophy sequence.)

III. Humanities and Culture— 9 hours
PAR 309 Philosophy In and Of Film, 3 hours
PAR 310 Philosophy of Art, 3 hours
PAR 311 Philosophy of Science, 3 hours
PAR 312 Philosophy of Religion, 3 hours
PAR 313 Philosophy of Law, 3 hours
PAR 314 Religion, Suffering, and the Moral Imagination, 3 hours
PAR 330 American Wilderness Ethics & Aesthetics, 3 hours
PAR 332 Biomedical Ethics & Social Justice, 3 hours
PAR 333 Environmental Ethics, 3 hours
PAR 350 Philosophical and Religious Classics, 3 hours
IV. Seminar and Special Topics, 6 hours
PAR 393 Topics in Philosophy and Religion or PAR 350 Philosophical and Religious Classics, 3 hours
PAR 495 Seminar in Philosophy and Religion, 3 hours

[Philosophy electives at the junior-senior level, 18 hours]

To complete the Bachelor of Arts program in the Arts & Sciences College, a total of 50 hours is required, which includes a second major, minor, or approved program, and a minimum of 12 general (free) electives. At least 32 hours of the courses taken at WCU must be at the junior-senior level to meet one of the University’s degree requirements. Only grades of C (2.0) or higher satisfy requirements for the major.

Minor in Philosophy
The minor requires 18 hours, including 102, 230, and 12 hours of electives selected from junior-senior philosophy/religion courses, or PSC 345 and 346.

Minor in Religion
The minor requires 18 hours, including PAR 105, 106, and either PAR 202 or PAR 312 and 9 hours of electives selected from junior-senior Philosophy and Religion courses or ANTH 365; ART 306; ENGL 390, 420, 440; HIST 311, 313, 375, 412, 455.

CURRICULUM GUIDE FOR PHILOSOPHY, (LITERATURE OF PHILOSOPHY CONCENTRATION) B.A. DEGREE

FRESHMAN YEAR

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<td>PAR 190 First Year Seminar</td>
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<td>C5 Physical &amp; Biological Science</td>
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<td>PAR 102 Western Moral Traditions</td>
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<td>PAR 313, 330, 332, 333, or 393</td>
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<td>PAR 304 Justice, Power, &amp; Human</td>
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<td>Nature in the Greek Polis</td>
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<td>PAR 310, 311, 312, 314, or 316</td>
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**JUNIOR YEAR**

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<td>PAR 306 Science, Reason, &amp; Aut.</td>
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<td>PAR 305, 307, or 308 History of</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

**SENIOR YEAR**

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*Student selects prior course for senior seminar

Total Hours for Degree: 128

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

At least 32 hours of the courses taken at WCU must be at the junior-senior level.

**MAJOR IN PHILOSOPHY, B.A. DEGREE**

Liberal Studies, 42 hours

The major in Philosophy with a Literature of Religion concentration requires MFL 231-232 or 240, 6 hours and 30 hours as follows:

**Literature of Religion Concentration**

I. Foundations of the Study of Religion, 9 hours

PAR 105 Eastern Religious Traditions, 3 hours
PAR 106 Western Religious Traditions, 3 hours
PAR 202 What is Religion, 3 hours
PAR 312 Philosophy of Religion, 3 hours

II. History of Religious Thought, 6 hours

PAR 210 Origins of Early Christian Traditions, 3 hours
PAR 211 Understanding Islamic Traditions, 3 hours
PAR 305 Medieval and Reformation Theology: Divine Foreknowledge, Free Will, and Justification by Faith, 3 hours
PAR 307 From Existentialism to Feminism, 3 hours
PAR 308 From Pragmatism to Postmodernism, 3 hours
PAR 350 Philosophical and Religious Classics, 3 hours

III. Religion, Humanities, and Culture, 9 hours
PAR 314 Religion, Suffering, and the Moral Imagination, 3 hours
PAR 324 Contemporary Religious Classics, 3 hours
PAR 325 Religion in Film, 3 hours
PAR 330 American Wilderness Ethics and Aesthetics, 3 hours
ART 306 Renaissance Art, 3 hours
ENGL 232 Introduction to Mythology, 3 hours
ENGL 290 Literature of the Sacred, 3 hours
ENGL 350 The Renaissance, 3 hours
ENGL 390 The Bible as Literature, 3 hours
ENGL 420 Chaucer and His Age, 3 hours
ENGL 440 Milton and His Age, 3 hours
PAR 220 Women and Religion, 3 hours
PAR 326 Religion and Science: God’s Law and Laws of Nature, 3 hours
PAR 327 Native American Religions, 3 hours
ANTH 365 Religion, Magic, and Myth, 3 hours
HIST 311 Ancient Greece and Rome, 3 hours
HIST 313 The Medieval World, 3 hours
HIST 375 Middle East Since Muhammed, 3 hours
HIST 412 Early Modern Europe, 3 hours
HIST 431 Colonial America, 1492-1763, 3 hours
HIST 455 American Religious History, 3 hours

IV. Senior Seminar, 6 hours
PAR 393 Topics in Philosophy and Religion or PAR 350 Philosophical and Religious Classics, 3 hours
PAR 495 Seminar in Philosophy and Religion, (taken as upper-level elective), 3 hours

VI. University Requirements:
To complete the Bachelor of Arts program in the Arts and Sciences College, a total of 50 hours is required, which includes a second major, minor, or approved program, and a minimum of 12 general (free) electives. At least 32 hours of courses at WCU must be taken at the junior-senior level to meet one of the University’s degree requirements.

CURRICULUM GUIDE FOR PHILOSOPHY, (LITERATURE OF RELIGION CONCENTRATION) B.A. DEGREE

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PAR 101 Western Phil. Traditions 3
JS 101 Jumpstart 0
15

PAR 105 Eastern Religious Traditions 3
PAR 106 Western Religious Traditions 3
18

SOPHOMORE YEAR

FALL SEMESTER
Course and Number Hrs.
C5 Physical & Biological Science 3
P1 Social Sciences 3
P3 History 3
MFL 101 3
PAR 202 or 312 What is Religion or 3
Phil. of Religion
PAR 210, 211, 305, 307, 308 or 350 3
History of Religious Thought

SPRING SEMESTER
Course and Number Hrs.
P5 Fine & Performing Arts 3
P6 World Cultures 3
MFL 102 3
PAR 210, 211, 305, 307, or 308 3
History of Religious Thought
PAR 210, 211, 305, 307, 308, or 350 3
History of Religious Thought

JUNIOR YEAR

FALL SEMESTER
Course and Number Hrs.
HIST or ENGL Jr-Sr Perspective 3
PAR, ANTH, HIST 220 or 311 3
365, 311, 313, 375, 412, 431, or 455 Religion and Culture
PAR, ART, ENGL 314, 315, 324, 330, 306, 232, 290, 350, 390, 420, or 440 (Religion and the Humanities)
MFL 231 3
Minor/2nd major 5
17

SPRING SEMESTER
Course and Number Hrs.
JR-Sr General Elective 3
PAR, ANTH, HIST 220 or 311, 365, 311, 313, 375, 412, 431, or 455 Religion and Culture
PAR, ART, ENGL 314, 315, 324, 330, 306, 232, 290, 350, 390, 420, or 440 (Religion and the Humanities)
MFL 232 3
Minor/2nd major 3
15

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

SENIOR YEAR

FALL SEMESTER
Course and Number Hrs.
PAR 393 Topics 3
JR-Sr General Elective 3
Minor/2nd Major 6
PAR Elective 3
15

SPRING SEMESTER
Course and Number Hrs.
*PAR 495 Seminar in Philosophy and Religion 3
JR-Sr General Elective 6
Minor/2nd Major 6

*Student selects prior course for senior seminar

Total Hours for Degree: 128

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

At least 32 hours of the courses taken at WCU must be at the junior-senior level.
Course Descriptions

Philosophy and Religion (PAR)

101 Western Philosophical Traditions (3)
Introduces students to thinkers foundational to liberal arts education who pursue the examined life, inquiring into human existence, knowledge and moral goodness. (P4)

102 Western Moral Traditions (3)
The study of historical theories of virtue, duty and the common good, along with moral education; and contemporary moral dilemmas (e.g., abortion, animal rights, genetic engineering). (P4)

103 Humanities Colloquium I: Humanities in the Region (1)
Multi-disciplinary study of the varied peoples, key cultural events, and cultural movements who helped shape southern Appalachian mountain life. Seminar.

105 Eastern Religious Traditions (3)
Historical, political, and theological contexts in which the major religious traditions of the East (Buddhism, Confucianism, Hinduism, Taoism) developed, with attention to distinctive ethical principles. (P6)

106 Western Religious Traditions (3)
Historical, political, and theological contexts in which the major religious traditions of the West (Judaism, Christianity, Islam) developed with attention to noted ethical principles. (P3)

190 Freedom, Culture, and Technology (3)
Study, through classic works, of the debate between utopian and dystopian thinkers, of the best way to order society and determine “the good life.” 3 Seminar.

202 What is Religion? (3)
A reflection upon the methodologies (historical, socio-psychological) used in the modern scholarly study of religion, and theories about the origins and nature of religion. (P6)

203 Humanities Colloquium II: The Humanities in the Nation (1)
Multi-disciplinary study of the varied peoples, key cultural events, and cultural movements who helped shape the nation. Seminar.

210 Origins of Early Christian Traditions (3)
Study of the historical events, processes, and key persons involved in the emergence of the early Christian church, stressing philosophical-theological disputes forming early Christianity. (P3)

211 Understanding Islamic Traditions (3)
The religious history of Islam, the beliefs and practices of Muslims, Islamic mysticism, the vitality of Islam, contemporary tensions and interpretations. (P6)

220 Women and Religion (3)
Study of women’s narratives and visions—feminist theologians, women mystics, female writers—as they reflect on spiritual life, marginalization, moral imagination, and community. (P6)

230 Legal, Scientific, & Critical Reasoning (3)
Argument analysis; validity, strength, soundness of deductive and inductive arguments; logical fallacies; practical uses of critical reasoning in legal, scientific, and ethical case studies. (P4)

303 Humanities Colloquium III: The Humanities for World Cultures (1)
Multi-disciplinary study of the varied peoples, key cultural events, and cultural movements who helped shape the world. Seminar.
304 Justice, Power and Human Nature in the Ancient Greek Polis (3)
Ancient Greek thinkers that founded the Western liberal arts traditions, first raising central questions about human excellence, knowledge, justice, power, and historical meaning. (P4)

305 Medieval and Reformation Theology: Divine Foreknowledge, Free Will, and Justification by Faith (3)
Historical-critical study of key texts of medieval Catholic theologians, Anselm and Aquinas, later Scholasticism, Erasmus' humanism, followed by examination of Reformation theologians, Luther and Calvin. (P3)

306 Science, Reason, and Autonomy in the Enlightenment (3)
Rejecting authority of tradition, rationalists, and empiricists, like Rene Descartes and Francis Bacon, inaugurate modern natural science by demanding new methods and principles of reasoning. (P4)

307 From Existentialism to Feminism (3)
Philosophical ideal of freedom as found in German Idealism and Romanticism, and its subsequent development and critique in Marxism, existentialism, postmodernism, and feminism. (P4)

308 From Pragmatism to Postmodernism (3)
The development of philosophy in England and America in the 19th and 20th centuries, with particular emphasis on William James and Ludwig Wittgenstein. (P4)

309 Philosophy In and Of Film (3)
Philosophical ideas in film; philosophical ideas about film and about the interpretation of film. (P4)

310 Philosophy of Art (3)
Consideration of ways of making reflective claims about art; emphasis on development of a personal viewpoint.

311 Philosophy of Science (3)
The structure of scientific explanation and discovery; the cognitive status of scientific theories; relations between the various natural and social sciences.

312 Philosophy of Religion (3)
Selected topics, such as proofs for the existence of God, immortality, the problem of evil, and the nature of religious belief, action, and experience. (P4)

313 Philosophy of Law (3)
The nature of law and legal reasoning; classical and modern theories of law; law, freedom of expression, equality, justice, and responsibility explored through case studies. (P1)

314 Religion, Suffering, and the Moral Imagination (3)
Exploration of the perennial problems of human suffering and the quest for moral meaning as exemplified in imaginative creations in literature, philosophy, and religious thought. (P6)

324 Contemporary Religious Classics (3)
The spiritual insights of different 20th-century individuals and cultures, as portrayed in quests and experiences of life and death, love and suffering, or "the sacred". (P6)

325 Religion in Film (3)
An examination of how religion and the fundamental problems of religious thought have been portrayed in classic and contemporary film. (P6)

326 Religion and Science: God's Law and Laws of Nature (3)
Study of the conflicts between religious and scientific explanations of reality; examines pivotal cases-Galileo/Church dispute, Darwinism/creationism - for constructive models of religious-scientific dialogue. (P3)
327 Native American Religions (3)
An interdisciplinary study of indigenous religious beliefs in North America using anthropological, linguistic, as well as religious studies to study North American Religious traditions. (P6)

330 America's Wilderness Ethics and Aesthetics (3)
Investigates how the American conception of "wilderness" has evolved and the consequences for wilderness preservation, ecological, and aesthetic appreciation of the wild. (P4)

332 Biomedical Ethics and Social Justice (3)
Ethical theories surrounding autonomy, beneficence, justice, applied to concepts of health, disease, and personhood; patient-provider relationship, life-death issues, health policy, genetic engineering, and biomedical research. (P1)

333 Environmental Ethics (3)
Environmental ethics concerns how humans ought to be related to nature. One question explored is "Do animal and ecosystems have value independent of human needs?" (P1)

350 Philosophical and Religious Classics (3)
An exploration of a seminal text or thinker in philosophical or religious thought. (P4)

380 Independent Study (1-3, R6)

393 Topics in Philosophy and Religion (1-3, R6)
PREQ: Permission of instructor.

495 Seminar in Philosophy and Religion (3, R9)
PREQ: 6 hours in philosophy, excluding 101 and 201, or permission of instructor.

Graduate Courses
593 Topics in Philosophy and Religion (1-3, R6)

DEPARTMENT OF POLITICAL SCIENCE AND PUBLIC AFFAIRS

Niall Michelsen, head
Gibbs Knotts, director of M.P.A.
C. Bryant, B. Carroll, C. Cooper, M. Duvall, F. Fisher, C.D. Livingston, G. Mercer, A. Royden

MAJOR IN POLITICAL SCIENCE, B.A. DEGREE
Liberal Studies, 42 hours
The major requires 39 hours as follows: Core (15 hours), Electives (18), and MFL (6 hours)
Core: 15 hours-one course from each category.
PSC 150 American Government and Politics, 3 hours
PSC 215, 216, or 219 European Political Systems; Politics of Developing Areas; Latin American Politics, 3 hours
PSC 241 or 242 International Politics; International Organization, 3 hours
PSC 303 or 304 State and Local Government; Public Administration, 3 hours
PSC 345 or 346 Ancient and Medieval Political Thought; Modern Political Thought, 3 hours
MFL 231 and 232, or 240, 6 hours
Electives: 18 hours of Political Science electives at the 200 level and above (at least 15 of these hours must be at the 300 or 400 level; no more than 6 hours can be applied to cooperative education or internship).
Students must maintain a minimum 2.0 GPA in the major, and no grade below a C (2.0) for any core course in the major will be accepted.

A portfolio is a program requirement for graduation and must be submitted prior to the last semester enrolled.

To complete the program, a total of 39 hours is required, including a minor, second major, or other approved program. At least 32 hours taken at WCU must be at the junior-senior level to meet one of the general university requirements.

**CURRICULUM GUIDE FOR POLITICAL SCIENCE (GENERAL), B.A. DEGREE**

**FRESHMAN YEAR**

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<td><strong>HEAL or HSCC 123/101 Wellness</strong></td>
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**SOPHOMORE YEAR**

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<td><strong>PSC 345 or 346 Political Thought</strong></td>
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<td><strong>P6 Jr.-Sr. World Cultures</strong></td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

**SENIOR YEAR**

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<td><strong>Total Hours for Degree: 120</strong></td>
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</table>
42 hours Liberal Studies
39 hours PSC major requirements:
   Core — 15 hours (3 hours each) PSC 150; 215, 216 or 219; 241 or 242; 303 or 304; and 345 or 346.
   Electives — 18 hours (15 hours at the junior-senior level)
   MFL — 6 hours MFL 231 and 232 or 240
39 hours Minor, second major, or other approved program, plus general electives
120 hours

Note: At least 32 hours taken at WCU must be at the junior-senior level

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

MAJOR IN POLITICAL SCIENCE, B.S. DEGREE

Liberal Studies, 42 hours

The major requires 39 hours as follows: Core (15 hours), Electives (18 hours), and MATH 135 or 170 (3 hours) and PSC 348 (3 hours)

Core: 15 hours—one course from each category.

PSC 150 American Government and Politics, 3 hours
PSC 215, 216, or 219 European Political Systems; Politics of Developing Areas; Latin American Politics, 3 hours
PSC 241 or 242 International Politics; International Organization, 3 hours
PSC 303 or 304 State and Local Government; Public Administration, 3 hours
PSC 345 or 346 Ancient and Medieval Political Thought; Modern Political Thought, 3 hours
MATH 135 or 170, and PSC 348 Political Analysis, 6 hours

Electives: 18 hours of Political Science electives at the 200 level and above. At least 12 of these hours must be at the 300 or 400 level; no more than 6 hours can be applied to cooperative education or internship.

Students must maintain a minimum 2.0 GPA in the major, and no grade below a C (2.0) for any core course in the major will be accepted.

A portfolio is a program requirement for graduation and must be submitted prior to the last semester enrolled.

To complete the program, a total of 39 hours is required, including a minor, second major, or other approved program. At least 32 hours taken at WCU must be at the junior-senior level to meet one of the general university requirements.

Minor in Political Science

The minor requires 21 hours in political science, including 150 and 215 or 216 or 219 or 241 or 242 and 15 hours of electives (at least 9 hours at the 300 or 400 level).

CURRICULUM GUIDE FOR POLITICAL SCIENCE (GENERAL), B.S. DEGREE

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<td>C5 Physical &amp; Biological Sciences</td>
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<td>P1 Social Sciences</td>
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Total Hours for Degree: **120**

- 42 hours  Liberal Studies
- 39 hours  PSC major requirements:
  - Core – 15 hours (3 hours each) PSC 150; 215, 216 or 219;
  - 241 or 242; 303 or 304; and 345 or 346.
  - Electives – 18 hours (12 hours at the junior-senior level)
  - MATH 135 or 170 and PSC 348 - 6 hours
- 39 hours  Minor, second major, or other approved program, plus general electives
- 120 hours

Note: At least 32 hours taken at WCU must be at the junior-senior level

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

Political Science (PSC)

107 (301) Comparative Political Cultures (3)
Impact of cultural differences on the policies and political perspectives of various First, Second, and Third World nations; comparison and contrast of contemporary examples.

110 Global Issues (3)
How globalization as a cultural and economic process is transforming contemporary society. (P6)

150 American Government and Politics (3)
The American political system; introduction to government institutions and how politics shapes policies. (P1)

190 Active Citizenship: Making a Difference in Your Community (3)
Examples of political activism and application of successful principles to enhance the quality of life in the WCU community.

215 European Political Systems (3)
Comparison of the political systems of selected nations.

216 Politics of Developing Areas (3)
Comparative analysis of developmental processes pursued through political, military, economic, and administrative structures of Third World nations; case studies.

219 Latin American Political Systems (3)
Institutions, groups, parties, and processes; problems of political development, modernization, and change.

241 International Politics (3)
Components and characteristics of the international political system; conflict and cooperation in international relations; changing nature of international behavior.

242 International Organization (3)
Global and regional organizations promoting settlement of disputes, collective security, economic development, human rights, and self-government.

270 Popular Culture in American Politics (3, R6)
The role and influence of culture in American politics. The interplay between culture and politics examined through texts, novels, written media, and film.

302 Problems and Policies of American Government (3)
Alternative public policies in selected areas: social welfare, health care, resources, labor, agriculture, civil rights, business, taxation, defense, and education.

303 State and Local Government (3)
Structure and functions of state and local government; processes of policy formation.

304 Public Administration (3)
Administrative theory and practice; implementation of governmental policies; case studies of the administrative process in such areas as business regulation, health care, and law enforcement.

305 Congress (3)
Congress as an institution; its role in the formulation of national policies; case studies dealing with legislation in the various areas of national policy.

306 American Presidency (3)
The chief executive, his advisers, role playing, and decision making in the executive branch.
307 Civil Service Administration (3)
Policies, methods, and techniques used in civil service systems; problems and procedures in the public sector (local, state, and national).

309 The Politics of Budgeting (3)
Budgetary aspects of national, state, and local government operations; budget formulation, execution and enactment, revenue resources; politics of process.

310 Constitutional Law: Structure and Powers (3)
An examination of the United States Constitution in substance and its role in defining and shaping the American political system and American culture.

317 Politics of East Asia (3)
Selected political systems of East Asia; factors involved in political change and modernization.

333 International Law (3)
Rules and practices regulating such matters as state territory and jurisdiction; treaties, nationality, and treatment of aliens; diplomatic and consular relations; warfare.

334 United States Foreign Policy (3)
Policies governing America's foreign relations; personnel and agencies responsible for policy implementation; role of the United States in world affairs since World War II.

335 Problems in World Politics (3)
Contemporary issues in international politics; international problem-solving methods and applications.

336 Mass Media and American Politics (3)
Examination and assessment of the power and influence of the mass media in American politics; emphasis on television.

345 Ancient and Medieval Political Thought (3)
Political philosophers from Plato to Thomas Aquinas; their ideas examined and related to current issues.

346 Modern Political Thought (3)
Political philosophers from Machiavelli to Mill; ideas providing the basis of modern political discussion and controversy examined.

347 American Social and Political Eras (3)
American social and political ideas from the Federalist Papers to the present.

348 Political Analysis (3)
Research methods and theoretical approaches for describing, explaining, and solving domestic and foreign policy problems. PREQ: 150 or permission of instructor.

351 Gender in Politics (3)
Gender roles examined in the context of national, state, and local government and politics.

389 Cooperative Education in Political Science (1 or 3, R15)
See Cooperative Education Program.

405 Methods for Teaching Social Sciences (3)
Methods, materials, curriculum, and trends in teaching secondary social sciences. Field experience required. PREQ: EDSE 322, admission to teacher education; 2.75 GPA in major.

407 American Political Parties (3)
American political parties and their role in the government and politics of contemporary society; current national issues dividing the parties.

408 Southern Politics (3)
An analysis of Southern politics that focuses on the region’s unique political history, its transformation during the twentieth century and its importance in national politics.
415 Contemporary British Politics (3)
Comparison and contrast of the British political system. Special attention will be paid to evolution, structure, and current national issues. (P6)

416 British Legal Studies (3-6, R6)
The British Legal System; rules and practices relating to such matters as structure, jurisdiction, and individual rights.

421 Political and Organizational Leadership (3)
Concepts and processes of leadership related to political and public organizations. PREQ: 6 hours in political science or permission of instructor.

436 Dynamics of World Order (3)
Alternative approaches to meeting social and political needs in a changing global environment; conditions and practices of interdependence.

450 Portfolio (0)
Student prepares portfolio. S/U grading.

480 Readings in Political Science (3, R6)
PREQ: Departmental permission.

483 Internship in Political Science (3, 3, 3)
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 Topics in 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, R6)
Current issues in American government and politics.

Graduate Courses
507 American Political Parties (3)
508 Southern Politics (3)
516 British Legal Studies (3-6, R6)
517 Contemporary British Politics (3)
521 Political and Organizational Leadership (3)
536 Dynamics of World Order (3)
580 Reading in Political Science (3)
593 Contemporary Political Systems (3, R6)
595 Seminar: The American Political System (3)
693 Topics in Political Science (1-6, R9)

Public Affairs (PA)

Graduate Courses
571 Government-Business Relations (3)
572 Public Policy Formulation (3)
580 Readings in Public Affairs (3)
670 Public Affairs Administration (3)
671 Budgetary Processes (3)
672 Governmental Organizations (3)
673 Public Policy Analysis (3)
674 Statistics and Decision Making (3)
675 Metropolitan Government (3)
676 Government and Press Relations (3)
677 Public Personnel Management (3)
678 The Environment of Public Management (3)
685 Internship in Public Affairs (3)
779 Continuing Research—Non-Thesis Option (1, R10)

SOCIAL SCIENCE PROGRAMS
Elizabeth Gillespie McRae, coordinator

MAJOR IN SOCIAL SCIENCES, B.A. DEGREE

Liberal Studies, 42 hours
The major requires 45 hours as follows:

HIST 221, 222 European History, 6 hours
MFL 231-232 or 240, 6 hours
Two of the following four groups:
Advanced electives (21 hours) including at least 6 hours in each of three areas: American history, anthropology, economics, foreign history, geography, political science, sociology.

To complete the program, a total of 41 hours is required, including a minor, second major, or other approved program. At least 32 hours of the courses taken at WCU must be at the junior-senior level to meet one of the general university degree requirements.

**CURRICULUM GUIDE FOR SOCIAL SCIENCES, B.A. DEGREE**

**FRESHMAN YEAR**

**FALL SEMESTER**

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
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</thead>
<tbody>
<tr>
<td>ENGL 101 Composition I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 101 Mathematical Concepts</td>
<td>3</td>
</tr>
<tr>
<td>P3 History</td>
<td>3</td>
</tr>
<tr>
<td>C5 Physical &amp; Biological Sciences</td>
<td>3</td>
</tr>
<tr>
<td>190 Series First Year Studies</td>
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<tr>
<td>JS 101 Jumpstart</td>
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**SPRING SEMESTER**

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<td>C5 Physical &amp; Biological Sciences</td>
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<tr>
<td>HEAL or HSCC 123/101 Wellness</td>
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<tr>
<td>HIST 221 European History to 1517</td>
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**SOPHOMORE YEAR**

**FALL SEMESTER**

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<tr>
<td>HIST 222 Euro. Hist. Since 1517</td>
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<tr>
<td>P1 Social Sciences</td>
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**SPRING SEMESTER**

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<td>Social Sciences II Intro</td>
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<tr>
<td>P5 Fine &amp; Performing Arts</td>
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**JUNIOR YEAR**

**FALL SEMESTER**

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<td>P6 Jr-Sr World Cultures</td>
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**SPRING SEMESTER**

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</table>

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

**SENIOR YEAR**

**FALL SEMESTER**

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<th>Course and Number</th>
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</table>
Total Hours for Degree: **128**
Total Hours of Pre-requisites: **6 HOURS OF MFL 231 & 232**

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

**MAJOR IN SOCIAL SCIENCES, B.S. DEGREE**

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

**CURRICULUM GUIDE FOR SOCIAL SCIENCES, B.S. DEGREE**

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>ENGL 101 Composition I</td>
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<tr>
<td>MATH 101 Mathematical Concepts</td>
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<td>C5 Physical &amp; Biological Sciences</td>
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<td>190 Series First Year Seminar</td>
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<tr>
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<td>HIST 222 Euro. Hist. since 1517</td>
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<td>Social Sciences I Intro</td>
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**SOPHOMORE YEAR**

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<tr>
<td>P4 Humanities</td>
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<td>Social Sciences II Intro</td>
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<td>P5 Fine &amp; Performing Arts</td>
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**JUNIOR YEAR**

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<td>Major Jr-Sr Elective</td>
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<td>P6 Jr-Sr World Cultures</td>
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<tr>
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</table>

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**SENIOR YEAR**

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<tbody>
<tr>
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<td>General Elective</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>15</strong></td>
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</tbody>
</table>
Total Hours for Degree: 128
Total Hours of Pre-requisites: 3 HOURS OF MATH 170

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

MAJOR IN SOCIAL SCIENCES, B.S.ED. DEGREE

Liberal Studies, 42 hours

All Social Science B.S.Ed. students double major (Social Sciences and History or Political Science). The major requires 57-60 hours as follows:

I. Modern Foreign Language. Six hours in one language beyond the Liberal Studies requirement.

II. Core. Choose History or Political Science major (must include HIST 405 or PSC 405) (33 hours).

III. Social Sciences. Choose Geography 350 or 444; Anthropology 260, or 300-400 level elective in Anthropology, or 300-400 level elective in Sociology; Economics 231 or 232 (9 hours).

IV. Advanced Electives. Choose 300-400 level courses from one of the following: History, Political Science, or Geography (Can not be same area as core major) (6 hours).

V. Surveys. Choose History 221-222; or History 231-232; or one from PSC 150, 303, 305, and 306 (selected from outside the core major above) (3-6 hours).

A minimum of 3 hours of upper division course work in II, III, or IV above must focus on non-Western culture (Asia, Africa, Latin America, or the Middle East).

Students must maintain a minimum 2.75 GPA in the major (I, II, III, IV, and V above), and no grade below a C (2.0) for any required course in the double major will be accepted.

The Professional education sequence (25 hours) for secondary and special subject teaching and general electives (1-4 hours) are required to complete the program.

CURRICULUM GUIDE FOR SOCIAL SCIENCES, B.S.ED. DEGREE

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
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<th>SPRING SEMESTER</th>
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<td>ENGL 101 Composition I</td>
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<td>MATH 101 Mathematical Concepts</td>
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<td>P3 History</td>
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<td>C5 Physical &amp; Biological Sciences</td>
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<td>HEAL or HSCC 123/101 Wellness</td>
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SOPHOMORE YEAR

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

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<tr>
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### SENIOR YEAR

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<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
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<tbody>
<tr>
<td>Course and Number</td>
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</table>

Total Hours for Degree: 128

Total Hours of Pre-requisites: 6 HOURS OF MFL; 3 HOURS CMCR 250

Must pass the Praxis I and maintain a 2.5 overall GPA to be fully admitted into the College of Education. Must also maintain a 2.75 in the social science courses to be eligible to student teach.

### DEPARTMENT OF SOCIAL WORK

*Terry L. Gibson, head*

*J. Dickinson, J. Dulworth, M. Huff*

The social work program is accredited by the Council on Social Work Education, and its principal educational goal is to prepare students for beginning generalist social work practice.

### MAJOR IN SOCIAL WORK, B.S. DEGREE

Liberal Studies, 42 hours

The major requires 60 hours. Only grades of C (2.0) or higher in required and elective social work courses will satisfy requirements for the major. The following courses are required:

- SOCW 151 Introduction to Social Work, 3 hours
- SOCW 251 Social Issues Policy and Programs, 3 hours
- SOCW 253 Foundations of Social Work, 3 hours
- SOCW 334 Human Behavior and the Social Environment I, 3 hours
- SOCW 335 Social Work Research and Evaluation, 3 hours
- SOCW 354 Human Behavior and the Social Environment II, 3 hours
- SOCW 362 Direct Practice: Individuals and Families, 3 hours
- SOCW 364 Community Practice, 3 hours
- SOCW 402 Diversity in Contemporary Society, 3 hours
- SOCW 486 Field Practicum, 12 hours
- SOCW 495 Social Policy Analysis Seminar, 1 hour
- SOCW 496 Field Practicum Seminar, 2 hours
A grade of C- (1.67) is required in the following courses:

PSC 231 American Government and Politics, 3 hours
PSY 150 General Psychology, 3 hours

12 hours of social work electives.

**General electives (26 hours) are required to complete the program.**

Declaration of a major in social work does not guarantee admission to the program. Students are eligible to apply for admission when they have attained an overall 2.50 GPA, have completed 35 credit hours, and in addition, have completed SOCW 151, SOCW 251, and SOCW 253 (or be enrolled in SOCW 251 and SOCW 253). Students must apply for admission when they have completed 18 hours of social work courses. Students must maintain an overall 2.50 GPA each semester after admission in order to remain in the program. See the Department of Social Work’s “Admission and Termination Policies” for detailed information.

**Minor in Social Work**
The minor requires 18 hours, including SOCW 151 and 251, and 12 hours of social work courses.

**CURRICULUM GUIDE FOR SOCIAL WORK, B.S. DEGREE**

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
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**SOPHOMORE YEAR**

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*Prerequisite: SOCW 151

**JUNIOR YEAR**

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<td>**SOCW 354 HBSE II</td>
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<td>SOCW 334 HBSE I</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

**SENIOR YEAR**

<table>
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<td><em>SOCW 364 Community Practice</em></td>
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</table>

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

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

All social work courses are offered in both Fall and Spring semesters except: SOCW 335 – Social Work Research, offered in the Spring semester only. Social Work elective courses are regularly offered in Summer School. Students may finish earlier if they attend summer school at WCU or another approved institution.

**Course Descriptions**

**Social Work (SOCW)**

**151 Introduction to Social Work (3)**
Social work as a profession; history; current practice settings; professional values and requirements.

**251 Social Issues, Policy and Programs (3)**
Overview of social welfare policies and programs; political, economic and social conditions affecting disadvantaged populations. Policy development and analysis, advocacy, historical perspectives. (P1)

**253 Foundations of Social Work (3)**
Basic knowledge of the profession; emphasis on communication and interviewing skills and the generalist approach. PREQ: 151.

**304 School Social Work (3)**
Practice in the school system: its content, history, and legal framework; special needs children; designs, delivery, and evaluation of services.

**320 Gender and Power in Social Work (3)**
Focus on institutional policies and beliefs related to gender, and how these may affect social work practice among various client systems.

**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 Children and Families (3)**
Concepts and skills for intervention with families; emphasis on family strengths and community resources and some policies affecting families.
329 Social Work with Older Adults (3)
Concepts and skills for effective practice with the aging; needs and strengths of older people; community resources; professional approaches to intervention.

330 Social Work in the Health Field (3)
Concepts and skills for intervention in hospitals, out-patient clinics, and other health settings, and on some policies affecting health care.

334 Human Behavior and the Social Environment I (3)
Focus on interaction of people with their environments from pregnancy to young adulthood. Theories and research about human growth and development are considered.

335 Social Work Research and Statistics (3)
Research and statistical methods used in building social work practice knowledge.

340 Critical Thinking for Social Workers (3)
Practical tools and techniques for critical thinking: Social work applications.

354 Human Behavior and the Social Environment II (3)
Focus on interaction of people and their environments from adolescence to later adulthood. Theories and research about human growth and development are considered. PREQ: 334.

362 Direct Practice: Individuals and Families (3)
Application of knowledge, values, and skills to social work practice: individuals, families, and groups. PREQ: 335 and admission to the social work program.

364 Community Practice (3)
Application of knowledge, values, and skills to social work practice: organizations and communities; advocacy. PREQ: 335 and admission to the social work program.

393 Topics in Social Work (3, R12)

395 Seminar in Social Work (1-3, R9)
Current trends and issues for practice; studies of social work agencies and programs; examination of social welfare policies and concerns. PREQ: Permission of instructor.

402 Diversity in Contemporary Society (3)
Focus on diversity of culture, ethnicity, ability, sexual orientation, and gender; emphasis on the consequences of marginalizing members of oppressed groups. (P1)

420 Addictions (3)
Overview of complex issues related to addictions, including drug, alcohol, gambling, and eating addictions; examines addiction within the context of developmental life stages and culture. (P1)

481 Independent Study (1-3, R6)
PREQ: 253 or permission of department head.

486 Field Practicum (12)
Full-time supervised placement in selected human service agencies to integrate theory with practice and prepare for professional responsibility. PREQ: Permission of Director of Field Practicum. COREQ: 496. S/U Grading.

495 Social Policy Analysis Seminar (1)
Social policy analysis, issues and perspectives in social work. COREQ: 496.

496 Field Practicum Seminar (2)
Integration of content with field practice. PREQ: Permission of Director of Field Practicum. COREQ: 486, 495.

Graduate Courses
593 Topics in Social Work (1-3, R6)
COLLEGE OF BUSINESS

N. Leroy Kauffman, dean
Debasish Banerjee, associate dean

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

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

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

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

Programs of study include: Bachelor of Science in Business Administration, Bachelor of Science in International Business, Master of Accountancy, Master of Business Administration, Master of Entrepreneurship, and Master of Project Management. The Master of Business Administration is offered in Cullowhee and Asheville; the Master of Accountancy is offered in Asheville; the Master of Entrepreneurship is offered in the Asheville/Hendersonville areas; and the Master of Project Management is Web-based, available internationally.

Admission to B.S.B.A. programs. Acceptance and registration in business administration courses or the declaration of intent to complete a business major do not guarantee admission to the Bachelor of Science in Business Administration programs. A student is not officially in the college until admitted as a candidate for the degree in a major program.

A student may be admitted to degree programs other than accounting after completing a minimum of 30 hours at Western Carolina University with a 2.0 GPA on hours attempted. Applicants transferring directly from another accredited institution must have a 2.0 GPA on all work attempted at the previous institution. Transfer students who complete courses at the university before applying for admission to the College of Business must have a 2.0 GPA on hours attempted. If less than 30 hours have been attempted at Western, a 2.0 GPA on hours attempted both at Western and at the other institutions is required. For admissions requirements to the accounting program, see the Department of Accountancy, Finance, and Entrepreneurship on the next page.

Consistent with the policy on transfer of course work, at least 30 semester hours of courses must be taken in the College of Business at Western Carolina University toward the BSBA or BS degrees.

Application for graduation may be filed with the dean upon completion of 90 hours and must be filed no later than one month before the final semester of enrollment.

The Bachelor of Science in Business Administration degree. This degree program requires the following:

- Liberal Studies: 42 hours
- Foundation of Knowledge for Business: 45 hours
- Major program of study in business: 21 hours
- Elective courses: 12 hours
- Minimum requirements for BSBA 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
- CIS 251 Management Information Systems, 3 hours
- CIS 304 Business Communications, 3 hours
- ECON 231, 232 Microeconomics and Macroeconomics, 6 hours
- FIN 305 Financial Management, 3 hours
- LAW 230 Legal Environment of Business, 3 hours
- MATH 135 Statistics, Functions, and Rates of Change, 3 hours
- MGT 235 Statistics, 3 hours
- MGT 300 Introduction to Management, 3 hours
- MGT 305 Quantitative Business Analysis, 3 hours
- MGT 306 Behavioral Science in Organizations, 3 hours
- MGT 404 Strategic Management, 3 hours
- MKT 301 Principles of Marketing, 3 hours

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

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

The B.S. degree program in international business requires 125 hours because of multiple college instructional agreements.

Students with majors outside the College of Business are prohibited from taking in excess of 25 percent of the hours required for their degree from College of Business courses.

Second Major in Business Administration. The requirements for a second major in business administration are identical with the Foundation of Knowledge for Business courses previously identified. Substitutions may be made only with the approval of the dean of the College of Business.

DEPARTMENT OF ACCOUNTANCY, FINANCE, AND ENTREPRENEURSHIP

Roger Lirely, head


MAJOR IN ACCOUNTING, B.S.B.A. DEGREE

A student may be admitted to the B.S.B.A. degree program with a major in accounting after completing a minimum of 30 hours at Western Carolina University with a 2.2 GPA on hours attempted. Applicants transferring directly from another accredited institution must have a 2.2 GPA on all work attempted at the previous institution. Transfer students who complete courses at the university before applying for admission to the accounting program must have a 2.2 GPA on hours attempted. If less than 30 hours have been attempted at Western, a 2.2 GPA on hours attempted both at Western and at other institutions is required.

Liberal Studies, 42 hours

Foundation of Knowledge for Business, 45 hours
The following 21 hours in the major:

275, 352 Intermediate Accounting I, II, 6 hours
355 Income Tax I, 3 hours
356 Cost Accounting, 3 hours
Electives (choose any 3): FIN 301, Financial Statement Analysis; ACCT 361, Not-for-Profit Accounting; ACCT 365, Accounting Information Systems; ACCT 454, Auditing; ACCT 467, Controllership

General electives 12 hours.

CURRICULUM GUIDE FOR ACCOUNTING, B.S.B.A. DEGREE

FRESHMAN YEAR

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<td>First Year Seminar</td>
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<td>P1 Perspective Social Sciences</td>
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<td>MATH135 Statistics</td>
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<td>ECON231</td>
<td>Micro-economics</td>
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<td>CIS 251</td>
<td>Management Info. Systems</td>
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<td>P1 Social Sciences</td>
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<td>LAW 230</td>
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<td>ECON 232</td>
<td>Macro-economics</td>
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<td>MGT 235</td>
<td>Statistics</td>
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JUNIOR YEAR

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<td>ACCT 275</td>
<td>Intermediate Account. I</td>
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<td>CIS 304</td>
<td>Business Communication</td>
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<td>MKT 301</td>
<td>Principles of Marketing</td>
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<td>ACCT 355</td>
<td>Income Tax I</td>
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<td>MGT 305</td>
<td>Quantitative Bus. Analysis</td>
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<td>ACCT 352</td>
<td>Intermediate Acct. II</td>
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<td>P6 Perspective World Cultures</td>
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SENIOR YEAR

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<td>MGT 306</td>
<td>Organizational Behavior</td>
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<td>MGT 404</td>
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</table>
Total Hours for Degree: 120

1Total hours: 120
2Eighteen hours of perspectives required. Consult with Academic Advisor and The Record for correct distribution of perspective courses.
3At least 60 hours must be taken outside College of Business (Econ 231, Econ 232, Math 135, and Mgt 235 count in this total as outside of College).
4All “Foundations of Knowledge for Business” courses are prerequisites for Mgt 404.

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

Course Descriptions

Accounting (ACCT)
161 Accounting for the Non-Business Major (3)
The basic accounting cycle, financial statements; uses of accounting in business and non-business organizations. Not open to students seeking the 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)

275 Intermediate Accounting I (3)
Accounting theory in financial statements, valuation and present value concepts, current assets. PREQ: 252.

293 Topics in Accounting (1-3, R3)

301 Financial Statement Analysis (3)
Short-term liquidity, cash flow from operations, funds flow, capital structure, long-term solvency, return on investment, asset utilization, and operating performance. PREQ: 252. COREQ: FIN 405, 495.

352 Intermediate Accounting II (3)
Theory applied to current and long-term liabilities, plant property and equipment, intangible assets, and stockholders equity. PREQ: 275 and pass WCU’s Accounting Competency Exam.

355 Introduction to Income Taxation (3)
Federal income taxation of individuals and sole proprietors, gross income inclusions and exclusions, business and employee deductions, property transactions, capital gains and losses, cost recovery. PREQ: 251.

356 Cost Accounting (3)
Budgeting, systems design, responsibility accounting and motivation, standard costing, variance analysis, cost behavior patterns, relevant costs, contribution analysis, and income effects of costing alternatives. PREQ: 252.

361 Not-For-Profit Accounting (3)
Accounting principles as applied to governmental agencies and other nonprofit organizations. PREQ: 252.
365 Accounting Information Systems (3)
Accounting information systems including understanding appropriate computer technology in accounting, systems design and evaluation, systems controls, and systems implementation. PREQ: 252.

389 Cooperative Education in Accounting (1 or 3, R15)
See Cooperative Education Program.

454 Auditing (3)
Theory, practice, and procedures in auditing; standards, professional ethics and internal controls. PREQ: 352.

465 CPA Problems (3)

466 Income Tax II (3)

467 Controllership (3)
Contemporary issues facing accountants in managerial decision-making responsibilities. Comprehensive evaluation of information used for decisions with strategic implications for the company.

480 Independent Research in Accounting (3)
PREQ: Accounting major; permission of department head.

483 Accounting Internship (3, 3, 3)
484 A full-time work situation providing in-depth experience in accounting practices.
485 S/U grading. PREQ: Junior standing; formal application; permission of accounting internship coordinator.

493 Topics in Accounting (1-3, R6)
PREQ: Permission of department head.

Graduate Courses
601 Financial Analysis (3)
605 Accounting Theory and Practice I (3)
615 Accounting Theory and Practice II (3)
616 Accounting Theory and Practice III (3)
620 Income Tax Theory and Applications (3)
625 Advanced Accounting Information Systems (3)
630 Cost/Managerial Accounting (3)
635 Accounting and Auditing Concepts in Not-for-Profit Organizations (3)
640 Auditing (3)
651 Managerial Accounting (3)
661 Advanced Theory (3)
662 Taxation and Business (3)
682 Research Project in Accounting (3, R6)
683 Accounting Internship (3)
684 Accounting Internship (3)
685 Accounting Internship (3)
693 Topics in Accounting (1-3, R6)
779 Continuing Research - Non-Thesis Option (1, R10)

MAJOR IN ENTREPRENEURSHIP, B. S. B. A. DEGREE

Liberal studies, 42 hours

Foundation of Knowledge for Business, 45 hours

The following 21 hours in the major:

ENT 201 Introduction to Entrepreneurship, 3 hours
ENT 250 Innovation and Creativity, 3 hours
ENT 301 New Venture Leadership, 3 hours
ENT 325 New Venture Creation, 3 hours
ENT 350 New Venture Growth, 3 hours
ENT 450 New Venture Development, 3 hours
ENT 475 Entrepreneurship, 3 hours

General electives, 12 hours.
Minor in Entrepreneurship
The minor, open to nonbusiness majors only, requires 18 hours, including ENT 201, ENT 250, ENT 301, ENT 325, ENT 350, and ENT 450.

**CURRICULUM GUIDE FOR ENTREPRENEURSHIP, B.S.B.A. DEGREE**

**FRESHMAN YEAR**

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<td>CMHC 201 Communication</td>
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<td>MATH135 Statistics</td>
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<td>P3 History</td>
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**SOPHOMORE YEAR**

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<tr>
<td>ACCT251 Principles of Acct. I</td>
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<td>ECON 232 Macro-Economics</td>
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<td>ENT 250 Innovation and Creativity</td>
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<td>CIS 304 Business Communication</td>
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<td>ENT 350 New Venture Growth</td>
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<td>ENT 301 New Venture Leadership</td>
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<td>P6 World Cultures</td>
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<td>ENT 450 New Venture Develop.</td>
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<th>SPRING SEMESTER</th>
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<tr>
<td>ENT 475 Entrepreneurship</td>
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<td>MGT 404 Business Policy</td>
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**Total Hours for Degree: 120**
Eighteen hours of perspectives required. Consult with Academic Advisor and The Record for correct distribution of perspective courses.

At least 60 hours must be taken outside College of Business (Econ 231, Econ 232, Math 135, and Mgt 235 count in this total as outside of College).

All "Foundations of Knowledge for Business" courses are prerequisites for Mgt 404.

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

Course Descriptions

Entrepreneurship (ENT)

201 Introduction to Entrepreneurship (3)
Introduction to the principles of starting and operating an entrepreneurial venture.

250 Innovation and Creativity (3)
Developing and enhancing individual and organizational creativity and innovation.

293 Topics in Entrepreneurship (1-6, R6)

301 New Venture Leadership (3)
Developing, enhancing, and maintaining leadership in a successful entrepreneurial venture.

325 New Venture Creation (3)
Planning and executing the creation of a successful entrepreneurial venture.

350 New Venture Growth (3)
Instituting and expanding a successful entrepreneurial venture.

389 Cooperative Education (1-3, R6)
PREQ: Permission of instructor.

450 New Venture Strategy (3)
Operating and developing a successful entrepreneurial venture in a competitive environment.

475 Entrepreneurship (3)
The study of entrepreneurship as a driver of economic activity.

482 Independent Study (1-3, R6)
PREQ: Permission of instructor.

483 Internship (1-3, R6)
PREQ: Permission of instructor.

493 Topics in Entrepreneurship (1-6, R9)
PREQ: Permission of instructor.

Graduate Courses
601 Entrepreneurial Innovation I (3)
610 Entrepreneurial Creation (3)
620 Entrepreneurial Planning (3)
630 Entrepreneurial Growth (3)
640 Entrepreneurial Finance (3)
650 Advanced Entrepreneurial Finance (3)
660 Entrepreneurial Leadership (3)
670 Entrepreneurial Strategy (3)
675 Entrepreneurial Research (3)
682 Independent Study (1-3, R6)
693 Topics in Entrepreneurship (1-6, R9)

MAJOR IN FINANCE, B.S.B.A. DEGREE

Liberal Studies, 42 hours
Foundation of Knowledge for Business, 45 hours

The following 21 hours in one of the two following concentrations:
**CURRICULUM GUIDE FOR FINANCE (CORPORATE), B.S.B.A. DEGREE**

### FRESHMAN YEAR

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<td>CMHC 201</td>
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<td>3</td>
<td>P6 Jr-Sr Perspective</td>
<td>3</td>
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<td>JS 101 Jumpstart</td>
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<td>FIN 335 Fin. Inst.</td>
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<td>ECON 231</td>
<td>Microeconomics</td>
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<td>LAW 230</td>
<td>Legal Environment of Bus.</td>
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<td>MGT 300</td>
<td>Intro to Management</td>
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<td>FIN 335</td>
<td>Fin. Inst.</td>
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<td>Financial Management</td>
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<td>MGT 305</td>
<td>Quantitative Bus. Analysis</td>
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<td>CIS 304</td>
<td>Business Communication</td>
<td>3</td>
<td>FIN Elective</td>
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<tr>
<td>MKT 301</td>
<td>Principles of Marketing</td>
<td>3</td>
<td>General Elective</td>
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<td>Perspective</td>
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<td>MGT 404</td>
<td>Bus Policy</td>
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Total Hours for Degree: **120**
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### CURRICULUM GUIDE FOR FINANCE (FINANCIAL PLANNING), B.S.B.A. DEGREE

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<td>FIN 406 Investment Strategies</td>
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<td>FIN 496 Seminar in Financial Planning</td>
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ACCT 355 Income Tax  
FIN 335 Financial Institutions  
General Elective  
MGT 404 Strategic Management  
General Elective  

Total Hours for Degree: 120

\(^{1}\)Total hours: 120  
\(^{2}\)Eighteen hours of perspectives required. Consult with Academic Advisor and The Record for correct distribution of perspective courses.  
\(^{3}\)At least 60 hours must be taken outside College of Business (Econ 231, Econ 232, Math 135, and Mgt 235 count in this total as outside of College).  
\(^{4}\)All “Foundations of Knowledge for Business” courses are prerequisites for Mgt 404.

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Course Descriptions

**Finance (FIN)**

**250 Introduction to Investing (3)**  
Fundamentals of investing in stocks, bonds, mutual funds; preserving and growing wealth.

**302 Real Estate (3)**  
Financing: sources of funds, loan contracts, mortgage analysis; role of government; real estate law.

**305 Financial Management (3)**  
Financial analysis and planning; time-value of money; risk; leverage; capital acquisition, management and budgeting. **PREQ:** ACCT 161 or 251.

**310 Introduction to Financial Planning, Risk Management, and Insurance Planning (3)**  
Developing, presenting and monitoring client financial plans; types of insurance; risk management.

**335 Financial Institutions (3)**  
An introduction to the financial services industry: institutions, money, capital, and derivative instruments. **PREQ:** 305.

**389 Cooperative Education in Finance (1 or 3, R15)**  
**PREQ:** 2.0 GPA on courses in business. See Cooperative Education Program.

**401 Life Insurance (3)**  
Functions and uses of life insurance; contract analysis; legal aspects; group policies.

**403 Real Estate Brokerage and Finance (3)**  
Law of agency, theories of value, real estate finance. **PREQ:** 302.

**405 Corporate Financial Decisions (3)**  
Sources and forms of long-term financing, financial structure, dividend policy, timing of financial policy, mergers, and failure. **PREQ:** 305. **COREQ:** ACCT 301.

**406 Investment Strategies (3)**  
Investments for individuals, institutions, and business; securities and securities markets.  
**PREQ:** 305.

**407 International Finance (3)**  
International financial environment, exchange rate behavior, exchange rate risk management, and multinational business asset and liability management. **PREQ:** 305.
409 Entrepreneurial Finance (3)
Problems in cash management; financing small business; problems associated with new ventures. PREQ: 305, MGT 401.

410 Retirement Planning (3)
Retirement planning; goals, strategies, implementation and employee benefits. COREQ: 305.

480 Independent Research (3)
PREQ: Permission of department head.

483 Internship in Finance (3, R9)
484 Work experience in finance. S/U grading. PREQ: Junior standing, 2.0 GPA, written application, permission of department head, minimum of 10 hours per week.

493 Topics in Finance (1-3, R6)
PREQ: Permission of department head.

495 Seminar in Financial Management (3)
Analysis of problems in business finance using the case method. PREQ: 305. COREQ: ACCT 301 or permission of instructor.

496 Seminar in Financial Planning (3)
Integration of alternative investment instruments and opportunities, tax planning and strategies, retirement and estate planning, with computer software applications. PREQ: 305 and 406.

DEPARTMENT OF BUSINESS COMPUTER INFORMATION SYSTEMS AND ECONOMICS
Dan Clapper, head


MAJOR IN COMPUTER INFORMATION SYSTEMS, B.S.B.A. DEGREE

Liberal Studies, 42 hours
Foundation of Knowledge for Business, 45 hours

The following 21 hours in the major:

CIS 235 Foundations of Information Technology, 3 hours
CIS 240 Business Applications Development I, 3 hours
CIS 335 Enterprise Technology Management, 3 hours
CIS 340 Business Applications Development II, 3 hours
CIS 453 Data Base Management Systems, 3 hours
CIS 455 Computer Information Systems Analysis and Design, 3 hours
CIS 465 Applications Development III, 3 hours

General electives, 12 hours.
Minor in Computer Information Systems

The minor, which is open only to non-business majors, requires 18 hours including CIS 251, 235, 240, 453, and two courses (6 hours) selected from CIS 335, 340, 440, 455, and 465. All course prerequisites must be followed.

Minor in Economics

The minor requires 18 hours including ECON 231, 232, 302, MGT 235 and an additional 6 hours of 300- or 400-level economics courses, which may include GEOG 350.

CURRICULUM GUIDE FOR COMPUTER INFORMATION SYSTEMS, B.S.B.A. DEGREE

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SOPHOMORE YEAR

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JUNIOR YEAR

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

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Total Hours for Degree: 120

Any notes or other information:
One of the “perspective” courses must be upper level (the schedule identifies certain “Perspective” courses as upper level)

Students may finish earlier if they attend summer school at WCU or another approved institution. All “Foundations of Knowledge for Business” courses are prerequisites for MGT 404.

### Course Descriptions

**Computer Information Systems (CIS)**

**110 Introduction to Computer Information Systems (3)**
Introductory computer concepts including a brief history of computers and terms, the Windows operating system, browsers and the Internet, and microcomputer applications tools. Not open to students seeking the B.S.B.A. degree.

**195 The Information Society at Work (3)**
The impact of computer and telecommunications technologies on the way we work; special focus on the individual, organizational, and societal impacts of remote work arrangements.

**235 Foundations of Information Technology (3)**
Architecture of modern computer systems including peripherals; data communications and networking with fault-tolerant computing; language transition, operating systems software, and utilities.

**240 Business Applications Development I (3)**
Application of programming principles in business; flowcharting, coding, documentation, and testing; computer architecture and data representation.

**251 Management Information Systems (3)**
An orientation into the management of computer-based information systems for organizations and problem solving using various application software packages.

**293 Topics in Computer Information Systems (1-4, R4)**

**301 Microcomputer Applications (3)**
Hands-on experience with word processing, spreadsheet, database, presentation graphics, and the Internet. Also, hardware, e-commerce, and basic web site development.

**304 Business Communications (3)**
Application of written, oral, and interpersonal communication theory in business. PREQ: ENGL 102.

**335 Enterprise Technology Management (3)**
The development, management, and planning of information technologies in the enterprise environment. PREQ: 235.
340 Business Applications Development II (3)
The study of state-of-the-art tools and techniques for developing complex business applications; Web application development; multi-tier client-server; SQL. PREQ: 240.

389 Cooperative Education in Information Systems (1 or 3, R15)
See Cooperative Education Program.

403 Business Research and Reports (3)
Identification of research problems; collecting and analyzing data; presenting findings for decisionmaking.

440 Advanced Business Programming Applications (3)
Use of advanced programming techniques to solve business problems and create window-based applications. PREQ: 240.

453 Database Management Systems (3)
Database processing and application development emphasizing design, implementation, and maintenance of single-user and enterprisewide databases. Design and implementation of a database application. PREQ: 340.

455 Computer Information Systems Analysis and Design (3)
Object-oriented analysis and design. Object identification, problem identification, feasibility, system requirements, prototyping, design-related activities, and formal report writing. PREQ: 340.

465 Applications Development III (3)
Development of client-server business applications using enterprisewide databases and cross platform and cross product functionality and connectivity. PREQ: 453 and 455.

466 Small Business Computing (3)
Technology, software design, programming techniques, system design, and analysis related to mini- and microcomputers. PREQ: 251.

480 Independent Research in Information Systems (3)
PREQ: CIS major; permission of department head.

483 Internship in Information Systems (1-3, R6)
Supervised experience using previously studied theory. S/U grading. PREQ: Sophomore standing, 2.0 GPA, written application, and permission of department head. Minimum of 10 hours per week.

484 Internship in Information Systems (1-3, R6)
Supervised experience using previously studied theory. S/U grading. PREQ: Sophomore standing, 2.0 GPA, written application, and permission of department head. Minimum of 10 hours per week.

485 Internship in Information Systems (1-3, R6)
Supervised experience using previously studied theory. S/U grading. PREQ: Sophomore standing, 2.0 GPA, written application, and permission of department head. Minimum of 10 hours per week.

493 Topics in Information Systems (1-3, R6)
PREQ: Permission of department head.

Graduate Courses
605 Managerial Communication (3) 662 Database Management Systems (3)
651 Information Systems for Competitive Advantage (3) 682 Research Project in Computer Information Systems (3, R6)
661 Systems Analysis and Development (3) 693 Topics in Information Systems (1-3, R6)
Economics (ECON)

231 Introductory Microeconomics and Social Issues (3)
Study of economic and social systems, emphasizing choices made by individuals in society such as consumers, producers, employees, voters, policy makers, and students. (P1)

232 Introductory Macroeconomics and Social Issues (3)
Macroeconomic principles; alternative theories of economic instability; national income, fiscal policy, monetary policy, and international trade.

302 Intermediate Microeconomics and Applications (3)
The price mechanism and allocation of resources under competition, monopoly, and imperfect competition; applications to decision making. PREQ: 231; MGT 235.

303 Money, Financial Markets, and Economic Policy (3)
Financial institutions; monetary policy; central banking and nongovernmental organizations; money and capital markets. PREQ: 232, 302.

304 Econometrics (3)
Evaluation of business indicators; techniques for analyzing current business conditions and forecasting changes in levels of national economic activity. PREQ: 232, 302.

305 Public Finance (3)
Governmental expenditures; sources of revenue, public credit, principles, and methods of taxation and financial administration; fiscal policy. PREQ: 232, 302.

307 Regional Economic Analysis (3)
Regional structure and growth; location theory, interregional income theory, factory mobility; public policy for regional development. PREQ: 231, 232; MGT 235.

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.

403 Development of Economic Ideas (3)
Ideas of the great economists; great debates in economics. PREQ: 232, 302.

404 Introductory Mathematical Economics (3)
Functions, graphs, calculus, and systems of equations applied to economic analysis. PREQ: 232, 302.

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.

420 Recreation, Sport, and Tourism Economics (3)
Economic models, techniques, and applications related to recreation, sport, and tourism. PREQ: 232, 302.

480 Independent Research (3)
PREQ: Permission of department head.

483, 484, 485 Internship in Business Economics (3, R15)
Work experience in business economics. 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)  682 Research Project in Economics (3, R6)
608 Business and Managerial Forecasting (3)  693 Topics in Economics (3, R6)
609 International Economics (3)

DEPARTMENT OF MANAGEMENT AND INTERNATIONAL BUSINESS
Jerry Kinard, head

MAJOR IN HOSPITALITY AND TOURISM, B.S. DEGREE

Liberal Studies, 42 hours

The major requires 60-61 hours as follows:

ACCT 251 Accounting Principles I—Financial, 3 hours
ECON 231 Introductory Microeconomics and Social Issues, 3 hours
FIN 305 Financial Management, 3 hours
HT 130 Introduction to Hospitality and Tourism, 3 hours
HT 232 Quality Service, 3 hours
HT 334 Restaurant Management, 3 hours
HT 335 Lodging and Resort Management, 3 hours
HT 336 Club Management, 3 hours
HT 337 Meetings, Convention, and Event Planning, 3 hours
HT 338 Tourism Fundamentals, 3 hours
HT 431 Hospitality and Tourism Marketing, 3 hours
HT 432 Hospitality and Tourism Supervision, 3 hours
HT 436 Tourism Planning and Development, 3 hours
HT 437 Bar and Beverage Operations, 3 hours
HT 438 Senior Seminar, 3 hours
HT 483 Internship, 3 hours
HT 484 Internship, 3 hours
LAW 402 Hospitality Law, 3 hours

Select 2 courses from the following:

ENVH 330 Food Protection and Sanitation, 4 hours
HT 330 Hotel Front Office Operations, 3 hours
HT 331 Hotel Facilities Management, 3 hours
HT 333 Quantity Foods, 3 hours
HT 339 Cost Control, 3 hours
PRM 440 Travel and Tourism, 3 hours
HT 493 Topics, 3 hours

General electives, 17-18 hours

Minor in Hospitality and Tourism

### FRESHMAN YEAR

#### FALL SEMESTER

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Total Hrs: 15

#### SPRING SEMESTER

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Total Hrs: 15

### SOPHOMORE YEAR

#### FALL SEMESTER

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<tr>
<td>HT 130 Intro to Hospit. &amp; Tour.</td>
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Total Hrs: 15

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Total Hrs: 15

### JUNIOR YEAR

#### SUMMER SESSION I

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Total Hrs: 6

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<td>HT 432 Hospital. &amp; Tourism Super.3</td>
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<td>LAW 402 Hospitality Law</td>
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Total Hrs: 12

### SENIOR YEAR

#### FALL SEMESTER

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<td>HT 337 Meeting, Convention, &amp; Event Planning</td>
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<td>HT 436 Tourism Planning &amp; Dev.</td>
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Total Hrs: 12

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Total Hrs: 12

Total Hours for Degree: 120

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

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

Hospitality and Tourism (HT)

130 Introduction to Hospitality and Tourism (3)
Survey of industry segments including tourism, restaurants, hotels, clubs, conventions, casinos, and cruise line operations with emphasis on career opportunities.

232 Quality Service (3)
Practical skills and knowledge for effective management of food service operations with emphasis on time management, food service protocol, interactions with guests, guest expectations, and decor.

293 Topics (1-3, R12)

330 Hotel Front Office Operations (3)
Study of front office procedures from reservations through checkout including night audit and property management systems and their impact on other lodging operations.

331 Hotel Facilities Management (3)
Management of facility operations including planning and design, facility systems, housekeeping, environmental, safety and security issues, and resource management.

333 Quantity Foods (3)
Through demonstration, lecture and laboratory experience, participants develop skills in food preparation, recipe usage, commercial food costing and production control. PREQ: Permission of instructor. 2 Lecture, 2 Lab.

334 Restaurant Management (3)
Functions of management as applied to commercial food service systems. Emphasis on menu development, procurement, production and service. PREQ: 130.

335 Lodging and Resort Management (3)
Study of hotels, resorts, timeshares, condominiums, and other lodging facilities. Emphasis on organizational structure, divisional operations, and management responsibilities. 2 Lecture, 2 Lab. PREQ: 130.

336 Club Management (3)
Organization, administration and operation of the private club industry with emphasis on club manager responsibilities and the unique sensitivities that contribute to member satisfaction.

337 Meeting, Convention, and Event Planning (3)
Scope and segmentation of meetings, conventions, and special events, including marketing, sales strategies, negotiations, contracts, and techniques used to meet market needs.

338 Tourism Fundamentals (3)
An examination of tourism from a social science perspective using a cross-disciplinary approach. Emphasis on global factors and the impact of tourism on various societies.

339 Food and Beverage Cost Control (3)
Theories and techniques of controlling costs of food and beverage, and labor cost in hotels and restaurants; analysis and evaluation of financial performance of the settings. PREQ: ACCT 161 or 251.

389 Cooperative Education (1 or 3, R15) See Cooperative Education Program.

431 Hospitality and Tourism Marketing (3)
A service management approach to the study of hospitality and tourism. Marketing is viewed as an activity that pervades all hospitality decisions and actions. PREQ: 130.
432 Hospitality Supervision (3)
Principles and practices of supervision as they apply specifically to meeting the unique labor and service challenges of the hospitality industry. Includes CPR certification. PREQ: Senior standing.

434 Advanced Club Management (3)
In-depth study of the club manager's leadership role and responsibilities in operating a successful private club. PREQ: 336.

436 Tourism Planning and Development (3)
A comprehensive integrated approach to the issues associated with tourism planning, policy making, and development. Case studies will be utilized. PREQ: 338.

437 Bar and Beverage Operations (3)
Principles and practices of the production, selection, purchasing, storage, and service of beverage alcohol. Emphasis on legal and social responsibility issues. (Minimum age 21).

438 Senior Seminar (3)
Personal and career development, ethics and the integration of knowledge with related fields. A senior project will be required. PREQ: Senior status.

480 Independent Study (1-3, R6)

483 Internship (3, 3, 3)
484 Integration of theory and practice in a setting appropriate to the student's career field.

485 S/U grading. PREQ: Permission of instructor. 9 hours per week per course.

493 Topics (1-12)

MAJOR IN MANAGEMENT, B.S.B.A. DEGREE
All Management majors will be required to prepare a portfolio demonstrating competence in Communicating; Decision-making; Leading; Working with others; including groups; professional behavior; and Integrating other fields of study with Management.

Liberal Studies, 42 hours
Foundation of Knowledge for Business, 45 hours

The following 21 hours in the major:

304 Human Resource Management, 3 hours
401 Small Business Management, 3 hours
402 Production and Operations Management, 3 hours
495 Seminar in Management, 3 hours
Electives (9 hours) selected from 302, 400, 405, 407, IBUS 301, 309, and 401.

General electives, 12 hours.

Minor in Management
The minor, open to nonbusiness majors only, requires 18 hours including MGT 300, 304, 306, and 9 hours of approved management electives.
## CURRICULUM GUIDE FOR MANAGEMENT, B.S.B.A. DEGREE

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### JUNIOR YEAR

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### SENIOR YEAR

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**Total Hours for Degree:** 120

Any notes or other information:

1. Total hours: 120
2. Eighteen hours of perspectives required. Consult with Academic Advisor and *The Record* for correct distribution of perspective courses.
At least 60 hours must be taken outside College of Business (Econ 231, Econ 232, Math 135, and Mgt 235 count in this total as outside of College).

All “Foundations of Knowledge for Business” courses are prerequisites for Mgt 404.

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

**Course Descriptions**

**Management (MGT)**

**235 Statistics (3)**
Descriptive and inferential statistical methods applied to managerial decision-making.
PREQ: MATH 135.

**300 Introduction to Management (3)**
Principles, issues, and practices of managing in modern organizations. COREQ: HM 430 for HM majors.

**302 Labor-Management Relations (3)**
Critical roles of labor unions; legislative bodies and government regulations; negotiation of collective bargaining agreements and dispute resolution. PREQ: 300.

**304 Human Resource Management (3)**
Staffing, training, evaluating, and rewarding employees; developing and implementing effective personnel programs. PREQ: 300.

**305 Quantitative Business Analysis (3)**
Models for decision-making in operations management, including forecasting, network analysis, queuing theory, and simulation. Problem solving, total quality management and statistical process control are also introduced. PREQ: 235. COREQ: 300.

**306 Behavioral Science in Organizations (3)**
Examination of individual and collective human behavior in organizations. PREQ: 300.

**320 E-Management: The Internet's Impact (3)**
Exploration of the effect of the Internet and new technology on productivity and management; case studies of how established companies are developing their e-business strategies.

**389 Cooperative Education in Management (1 or 3, R15)**
See Cooperative Education Program.

**400 Organization Theory (3)**
Structure and process at the organizational level; size, complexity, formalization, goals, centralization and decentralization, and environment. PREQ: 306.

**401 Small Business Management (3)**
Operations and strategies of small firms; integration of functional areas; economic, social, political, technological, and governmental factors. PREQ: 300 or permission of instructor.

**402 Production and Operations Management (3)**
Management processes for the creation of products and services; analytical techniques and controls. PREQ: 305.

**404 Strategic Management (3)**
Capstone course integrating all aspects of the business core curriculum using case method, term projects, and/or computer simulations. PREQ: All Foundations of Knowledge for Business courses.

**405 Compensation Management (3)**
Design of compensation systems based on economic, behavioral science, and public policy models. PREQ: 304.
407 Interpersonal Behavior (3)
Managerial interpersonal relationships, listening behavior, self-awareness. PREQ: 300.

480 Independent Research (3)
Supervised, student-initiated research project. PREQ: Permission of department head.

483 Internship in Management (3, 3, 3)
Supervised work or research in applications of previously studied theory. S/U grading.
485 PREQ: Junior standing, 2.0 GPA, written application, permission of department head. Minimum of 10 hours per week.

493 Topics in Management (1-3, R6)
PREQ: Permission of department head.

495 Seminar in Management (3)
Integration of management concepts; development of management knowledge and skills; preparation for the professional world of work. PREQ or COREQ: All management courses in Foundations of Knowledge for Business and management major courses.

Graduate Courses
605 Organizational Behavior and Analysis (3)
606 Quantitative Analysis for Business I (3)
607 Strategic Management (3)
608 Human Resource Administration (3)
609 The Collective Bargaining Process (3)
611 Production and Operations Management (3)
613 Management of International Operations (3)
614 Managerial Career Development (3)
682 Research Project in Management (3, R6)
693 Topics in Management (3, R6)

MAJOR IN INTERNATIONAL BUSINESS, B. S. Degree (125 hours)
Liberal Studies, 42 hours
Foundations of Knowledge for Business, 45 hours
One year (6 hours) of modern foreign language from FREN, GER, or SPAN 231, 232, or 240.

The following 21 hours in the major:

IBUS 301 International Management, 3 hours
IBUS 309 International Trade, 3 hours
IBUS 401 Information and Materials Exchange in International Business, 3 hours
PSC 241 International Politics, 3 hours
Electives (9 hours) selected from at least two disciplines listed below:

ANTH 327 Economy and Society, 3 hours
ECON 406 International Economic Development, 3 hours
FIN 407 International Finance, 3 hours
GEOG 350 Economic Geography, 3 hours
GEOG 440 Topics in Regional Geography, 3 hours
GEOG 444 Political Geography, 3 hours
HIST 317 History of 20th-Century International Relations, 3 hours
HIST 416 Europe in the 20th-Century, 3 hours
IBUS 480 Independent Study, 3 hours
IBUS 483 Internship in International Business, 3 hours
IBUS 488 Study Abroad, 3 hours
IBUS 493 Topics in International Business, 3 hours
LAW 320 Multinational Corporate Law, 3 hours
MFL 321 or 322, French, German, or Spanish Civilization, 3 hours
MKT 407 International Marketing, 3 hours
PSC 215 European Political Systems, 3 hours
PSC 216 Politics of Developing Areas, 3 hours
PSC 242 International Organization, 3 hours
PSC 333 International Law, 3 hours
PSC 335 Problems in World Politics, 3 hours
PSC 436 Dynamics of World Order, 3 hours
SOC 434 Regional and Societal Development, 3 hours

General electives (11 hours) chosen such that at least 63 hours, including ECON 231, 232, MATH 135 and MGT 235, are from outside the College of Business.

The minimum in-major GPA requirement applies to the 66 hours which includes the Foundation of Knowledge for Business and major.

Minor in International Business

The minor, open only to non-business majors, requires 24 hours including ECON 231, 232, MGT 300, IBUS 301, 309, 401, PSC 241 and 3 hours of Modern Foreign Language at the intermediate level (FREN, GER, SPAN 231, 232, or 240.)

CURRICULUM GUIDE FOR INTERNATIONAL BUSINESS, B.S.B.A. DEGREE

FRESHMAN YEAR

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<tr>
<th>FALL SEMESTER</th>
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SOPHOMORE YEAR

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JUNIOR YEAR

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<td>FIN 305 Financial Management</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.
SENIOR YEAR

FALL SEMESTER

Course and Number | Hrs. | SPRING SEMESTER
Course and Number | Hrs.
IBUS 401 Info. & Mat. Exchange | 3 | P6 Jr-Sr World Cultures | 3
IBUS 301 International Mgt. | 3 | Mgt 404* Strategic Management | 3
IBUS Elective | 3 | IBUS Elective | 3
General Electives | 5 | PSC 241 International Politics | 3
General Electives | 3 | General Electives | 3
14 | 15

Total Hours for Degree: 125

1Total hours: 125

2Eighteen hours of perspectives required. Consult with Academic Advisor and The Record for correct distribution of perspective courses.

3At least 60 hours must be taken outside College of Business (Econ 231, Econ 232, Math 135, and Mgt 235 count in this total as outside of College).

4Prerequisite: 102 or higher on placement.

5All “Foundations of Knowledge for Business” courses are prerequisites for Mgt 404.

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

Course Descriptions

International Business (IBUS)

301 International Management (3)
Managerial functions and skills applied to the international business environment. PREQ: MGT 300.

309 International Trade (3)
Trade patterns among nations; effects of trade on participant countries; tariffs and quotas; balance of payments, exchange rates, international monetary system. PREQ: ECON 231, 232.

401 Information and Materials Exchange in International Business (3)
Operations strategy as it relates to fundamentals of logistics, supply chain management, operations management, operations, and e-commerce in the global business environment. PREQ: MGT 300.

480 Independent Research (3)
Three individual conferences.

483 Internship in International Business (3)
484 Ten hours per week of work.
485

488 Study Abroad (3-15, R30)
Participation in WCU study abroad exchange program.

493 Topics in International Business (1-3, R6)
Permission of department head.

Graduate Course
693 Topics in International Business (3, R6)
Project Management (PM)

Graduate Courses
500 Tools for Financial Management (2) 654 Project Plan Analysis and Approval (6)
505 Introductory Statistics and Microeconomics (2) 656 Project Implementation: Policies and Procedures (6)
515 Legal and Ethical Issues (2) 658 Project Implementation: Monitoring and Production (6)
650 Project Management Systems (6) 660 Project Completion and Professional Evolution (6)
652 Project Plan Development (6)

DEPARTMENT OF MARKETING AND BUSINESS LAW
Debra Burke, head


MAJOR IN MARKETING, B.S.B.A. DEGREE

Liberal Studies, 42 hours
Foundation of Knowledge for Business, 45 hours

The following 21 hours in the major:

MKT 302 Integrated Marketing Communications Strategy or MKT 306 Introduction to Professional Selling, 3 hours
MKT 303, Market Research or MKT 304, Consumer Behavior, 3 hours
MKT 405, Business and Organizational Marketing Strategy or MKT 409 Negotiation/Relationship Marketing, 3 hours
MKT 475 Marketing Strategy, 3 hours
Marketing electives (9 hours) selected from other junior-senior level marketing courses.

General electives, 12 hours.

*Minor in Marketing

The minor, which is open to nonbusiness majors only, requires 18 hours including MKT 301, MKT 411 and 12 hours of electives selected from other junior-senior level marketing courses. Depending on the electives selected, course prerequisites may add additional hours. Please check the catalog description for specific requirements.

*NOTE: A student majoring or minoring in marketing cannot pass a marketing course with a grade below C- (minus) and still have that course count toward satisfying the marketing major requirement. Students may select various interest areas, e.g., sales, retailing, general marketing, by carefully choosing their electives in consultation with their academic adviser.

CURRICULUM GUIDE FOR MARKETING, B.S.B.A. DEGREE

FRESHMAN YEAR

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### SOPHOMORE YEAR

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<td>ECON 231 Microeconomics</td>
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<td>LAW 230 Legal Env. of Business</td>
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#### SPRING SEMESTER

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<td>ECON 232 Macroeconomics</td>
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<td>P6 World Cultures</td>
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### JUNIOR YEAR

#### FALL SEMESTER

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<td>MGT 305 Quant. Bus. Analysis</td>
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<td>CIS 304 Business Communications</td>
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<td>MKT 301 Principles of Marketing</td>
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<td>P5 Fine &amp; Performing Arts</td>
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<td>MGT 306 Behav. Science in Organ.</td>
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<tr>
<td>MKT 303 or 304 Marketing</td>
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<td>Research or Consumer Behavior</td>
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<td>MKT 302 or 306 Inte. Mktg. Comm.</td>
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### SENIOR YEAR

#### FALL SEMESTER

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<td>MGT 404 Bus. Policy &amp; Strategy</td>
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<td>MKT 475 Marketing Strategy</td>
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<td>Electives</td>
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<td>15</td>
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</table>

**Total Hours for Degree: 120**

1. Total hours must equal 120
2. At least 60 hours must be taken outside the College of Business (ECON 231, ECON 232, MATH 135 and MGT 235 count in this total as outside the College).
3. All "Foundations of Knowledge for Business" courses are prerequisites for MGT 404.
4. Be sure to consult with "The Record" or with your academic advisor to be sure that you are meeting the correct distribution of Perspectives courses. Twenty-seven (27) total hours of perspectives are required.
5. MKT 304 is offered in the Fall.
6. MKT 303 is offered in the Spring.

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

Marketing (MKT)

301 Principles of Marketing (3)
Principles, issues, and practices of marketing to both consumers and businesses in the domestic and global economies.

302 Integrated Marketing Communications Strategy (3)

303 Marketing Research (3)
Role of integrated research in marketing decisions. Emphasis on problem formulation, research design, questionnaire construction, sampling, data collection procedures, and analysis of data. PREQ: 301, MGT 235.

304 Consumer Behavior (3)
Examines psychological and sociological factors that influence consumption and decision-making. Studies practical implications of consumer attitudes and behavior. PREQ: 301.

306 Introduction to Professional Selling (3)
Sales persuasion skills, theories, and principles; simulated selling situations.

310 Consultative Selling (3)
Building long-term customer relationships through consultative selling, delivering customer value, and satisfying customer needs. PREQ: 306 or permission of instructor.

389 Cooperative Education in Marketing (1 or 3, R15)
See Cooperative Education Program.

403 Advertising Management (3)
Planning and production of a professional advertising campaign. PREQ: 302 or permission of instructor.

404 Retailing Management (3)
Retailing organization and management, including: store location, merchandise management, expense analysis and control, and current issues and trends.

405 Business and Organizational Marketing (3)
Strategic implications of marketing high volume, cost, or technological products to organizations. Focuses on needs and processes of businesses and inter-firm dynamics.

406 Channels of Distribution (3)
Theory and concepts in channel management; emphasis on structural, operational, and leadership decisions. PREQ: 301.

407 Global Marketing (3)
The importance of global marketing to the U. S. economy; problems, opportunities and practices of managing multinational activities; characteristics and structure of international markets. PREQ: 301.

409 Negotiations/Relationship Marketing (3)
Focuses on the evolution of relationship marketing, interpersonal and group relationship development, and negotiation skills. (P1)

410 Sales Management and Negotiation (3)
Managing sales people through applications oriented assignments focusing on territory design, salesperson motivation, and quota attainment. PREQ: 301.
411 Marketing Strategy (for non-marketing majors) (3)
This course provides a survey of key issues in marketing strategy and management. Credit for course not applicable to hours required for graduation for students majoring in marketing. PREQ: 301.

475 Marketing Strategy and Management (3)
A capstone course that integrates the collection of individual marketing concerns into a managerial decision making framework. PREQ: 301, 303, 304, plus six hours of other marketing courses; ECON 231, 232, ACCT 251, 252. Marketing majors only.

482 Independent Study (3)
Supervised, student-initiated project. PREQ: Marketing major, MKT 475, senior standing, minimum GPA of 3.25, permission of instructor and department head.

483 Internship in Marketing (3, 3, 3)
484 Supervised experience in applications of previously studied theory. S/U grading.
485 PREQ: Junior standing, 2.0 GPA, written application, permission of department head. Minimum of 10 hours per week.

493 Topics in Marketing (1-3, R12)
PREQ: Permission of department head.

Graduate Courses
601 Marketing Management (3) 604 Marketing Communications (3)
602 Marketing Research (3) 682 Research Project in Marketing (3, R6)
603 Consumer Behavior (3) 693 Topics in Marketing (3, R6)

MAJOR IN BUSINESS ADMINISTRATION AND LAW, B.S.B.A. DEGREE

Liberal Studies, 42 hours
Foundation of Knowledge for Business, 45 hours

The following 21 hours in the major:
LAW 275 Business Associations, 3 hours
LAW 331 Contracts and Sales, 3 hours
LAW 475 Legal Aspects of Business Management, 3 hours
Electives (12 hours) selected from the following:
LAW 302, 303, 306, 315, 320, 393, 402, 406, 410, 412, 440, 480, 483 or 484 or 485

General electives, 12 hours.

Minor in Business Law
The minor, open to nonbusiness majors only, requires 18 hours, including LAW 230, and 15 hours from the following: LAW 275, 302, 303, 315, 320, 331, 402, 403, 410, 412, 475, or 440.
## CURRICULUM GUIDE FOR BUSINESS ADMINISTRATION AND LAW, B.S.B.A. DEGREE

### FRESHMAN YEAR

**FALL SEMESTER**

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
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</thead>
<tbody>
<tr>
<td>ENGL 101 Composition I</td>
<td>3</td>
</tr>
<tr>
<td>C5 Physical &amp; Biological Sciences</td>
<td>3</td>
</tr>
<tr>
<td>P1 Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>HEAL or HSCC 123/101 Wellness</td>
<td>3</td>
</tr>
<tr>
<td>190 series First Year Seminar</td>
<td>3</td>
</tr>
<tr>
<td>JS 101 Jumpstart</td>
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Total Hrs.: 15

**SPRING SEMESTER**

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>ENGL 102 Composition II</td>
<td>3</td>
</tr>
<tr>
<td>CMHC 201 Communications</td>
<td>3</td>
</tr>
<tr>
<td>P3 History</td>
<td>3</td>
</tr>
<tr>
<td>MATH 135 Statistics</td>
<td>3</td>
</tr>
<tr>
<td>P5 Fine &amp; Performing Arts</td>
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Total Hrs.: 15

### SOPHOMORE YEAR

**FALL SEMESTER**

<table>
<thead>
<tr>
<th>Course and Number</th>
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<tbody>
<tr>
<td>ACCT 251 Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>ECON231 Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>CIS 251 Mgt. Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>LAW 230 Legal Env. of Business</td>
<td>3</td>
</tr>
<tr>
<td>C5 Physical &amp; Biological Sciences</td>
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Total Hrs.: 15

**SPRING SEMESTER**

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>ACCT 252 Accounting II</td>
<td>3</td>
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<tr>
<td>ECON 232 Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>MGT 235 Statistics</td>
<td>3</td>
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<tr>
<td>LAW 275 Business Associations</td>
<td>3</td>
</tr>
<tr>
<td>P6 World Cultures</td>
<td>3</td>
</tr>
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Total Hrs.: 15

### JUNIOR YEAR

**FALL SEMESTER**

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>MGT 300 Intro to Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 305 Quantit. Bus. Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CIS 304 Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>LAW 331 Contract and Sales</td>
<td>3</td>
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<tr>
<td>P1 Social Science</td>
<td>3</td>
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</table>

Total Hrs.: 15

**SPRING SEMESTER**

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>FIN 305 Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>MGT 306 Behavioral Science in Org.</td>
<td>3</td>
</tr>
<tr>
<td>LAW Electives</td>
<td>6</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
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</table>

Total Hrs.: 15

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

### SENIOR YEAR

**FALL SEMESTER**

<table>
<thead>
<tr>
<th>Course and Number</th>
<th>Hrs.</th>
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<tbody>
<tr>
<td>MKT 301 Principles of Marketing</td>
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<tr>
<td>LAW Electives</td>
<td>6</td>
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<tr>
<td>General Electives</td>
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Total Hrs.: 15

**SPRING SEMESTER**

<table>
<thead>
<tr>
<th>Course and Number</th>
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<tbody>
<tr>
<td>P4 Jr-Sr Humanities</td>
<td>3</td>
</tr>
<tr>
<td>MGT 404 Business Policy &amp; Strategy</td>
<td>3</td>
</tr>
<tr>
<td>LAW 475 Legal Aspects of Bus. Mgt.</td>
<td>3</td>
</tr>
<tr>
<td>General Electives</td>
<td>6</td>
</tr>
</tbody>
</table>

Total Hrs.: 15

Total Hours for Degree: **120**

Students may finish earlier if they attend summer school at WCU or another approved institution. All "Foundations of Knowledge for Business" courses are prerequisites for MGT 404.
Course Descriptions

Business Administration (BA)

133 Introduction to Business (3)
Principles of business, forms of organizational structure, marketing strategies, financial institutions, quantitative tools, management information systems, and international implications. (P1)

293 Topics in Business Administration (1-6, R6)
PREQ: Permission of the dean.

304 Business Communications in a Multicultural Environment (3)
Analysis of the multicultural workforce and its impact on the communicating process. Studies of effective leadership styles, protocols, and negotiating skills will be examined through case studies, debates, and current research.

393 Topics in Business Administration (1-6, R6)
PREQ: Permission of the dean.

480 Independent Research (3)
Supervised, student-initiated research project. PREQ: Permission of department head.

493 Topics in Business Administration (1-6, R6)
PREQ: Permission of the dean.

Graduate Courses

589 Cooperative Education Experience (3) 693 Topics in Business Administration (3, R6)
593 Current Topics in Business Administration (1-3, R10) 779 Continuing Research, Non-Thesis Option (1, R4)

Business Law (LAW)

105 Introduction to Law (3)
Study of the relationship between the individual, law and society; structure of the system for dispute resolution in a legal and social context; role that law plays in a complex society. (P1)

141 Legal Thought, Reasoning, and Implications (3)
Analysis, synthesis, and integration of law and the contemporary legal system through the study of the court’s thinking, reasoning, and expression.

195 Contemporary Legal Issues (3)
The social change through the legal environment, legal institutions in various cultures, the impact on other social institutions, and the interpretation and analysis of interrelationships.

201 Individual Rights (3)
Philosophical and historical aspects of individual rights, and interpretation of constitutional provisions as applied by courts in public, private and business situations. (P4)

205 Legal Issues and Institutions (3)
Social change through the legal environment, legal institutions in various cultures, impact on other social institutions, interpretation, and analysis of interrelationships.

230 Legal Environment of Business (3)
Social responsibility of business; ethics, legal concepts, and legislation and administrative decisions having an impact on business.

275 Business Associations (3)
Agency, Unincorporated Business Associations, and Corporations. PREQ: 230 or permission of instructor.
302 Legal Research and Contemporary Legal Problems (3)
Research and study of the relationship of law to the structure of society, study of prominent court decisions reflecting changes dictated by societal movements and civil litigation. PREQ: 230.

303 Marketing Law (3)
A study of how law affects marketing activities and current marketing trends.

306 Women and the Law (3)
The study of the legal history of issues relating to women; case-law and legal precedent; statutory and constitutional law; and current legal issues surrounding women. PREQ: Junior standing. (P4)

315 Athletics and the Law (3)
Legal issues and litigation affecting sports. PREQ: Junior standing.

320 International Business Law (3)
Regulation of transnational business in the global environment by individual and international organizations. PREQ: 230 and junior standing.

331 Contracts and Sales (3)
Law of contracts, sales, and Uniform Commercial Code. PREQ: 230 or permission of instructor.

389 Cooperative Education in Business Law (1 or 3, R15)
See Cooperative Education Program.

393 Topics in Business Law (1-3, R6)
PREQ: 230 and junior standing or permission of department head.

402 Hospitality Law (3)
Legal issues and litigation affecting the hospitality industry. PREQ: Junior standing.

403 Property and Estates (3)
Legal aspects of buying and selling real estate, federal and state taxation, and estate planning and administration. PREQ: Senior standing or permission of instructor.

406 Media Law (3)
Study of legal issues which affect the media: defamation, privacy rights, advertising regulation, indecent speech; broadcast programming; and press coverage of the administration of justice. (P1)

410 Witnesses and Evidence (3)
Persuasion, evidence, and presumptions; introduction and exclusion of evidence; examination, opinions, and competency of witnesses; testimonial and constitutional privileges; pretrial communications; real, scientific, and hearsay evidence.

412 Business Ethics and Corporate Responsibility (3)
Ethical theory and decision making in the market, corporation as a moral agent, ethics as a component in strategic decision making, and government regulations and fiduciary obligations. PREQ: Senior standing or permission of instructor.

430 Construction Contracts and Law (3)
An overview of standard construction contracts traditionally used between contractors, owners, architects, and subcontractors from a general contractor point of view. PREQ: 230, senior standing or permission of instructor.

440 Labor and Employment Law (3)
Legal aspects of industrial relations, arbitration, bargaining, strikes, and labor practices; employment dispute resolution and federal employment laws. PREQ: Junior standing.
475 Legal Aspects of Business Management (3)
A capstone course involving a comprehensive study of legal considerations in developing and managing a business. PREQ: 230, 275, 331, senior standing or permission of department head.

480 Independent Research in Business Law (3)
PREQ: Business law major, permission of department head. Minimum GPA of 3.2 and senior standing.

483 Internship in Business Law (3, 3, 3)
484 Supervised experience in applications of previously studied theory. S/U grading.
485 PREQ: Junior standing, 2.0 GPA, permission of department head. Minimum of 10 hours per week.

Graduate Courses
630 International Law (3)
693 Topics in Business Law (1-3, R6)
695 Seminar in Business Law (3)
COLLEGE OF EDUCATION AND ALLIED PROFESSIONS

A. Michael Dougherty, dean
C. Dale Carpenter, associate dean

The College of Education and Allied Professions seeks to prepare professional personnel for the schools and colleges of the state and region and for other educational and service agencies. It coordinates all teacher education curricula at the university and provides services to individuals, schools, and regional educational and professional agencies. It undertakes continuous evaluation to assure curricula and professional services of high quality and coordinates the screening, selection, and counseling of students pursuing programs of study in the school.

The Bachelor of Science and Bachelor of Science in Education degrees are awarded upon completion of the undergraduate programs offered in the college. The Bachelor of Science degree is awarded in birth-kindergarten, communication sciences and disorders, psychology, sport management, recreational therapy, and parks and recreation management. The Bachelor of Science in Education degree is normally awarded to those completing a teacher education program. Students may pursue programs leading to the Bachelor of Arts or Bachelor of Science degrees simultaneously with a program in teacher education but must fulfill all requirements of an approved teacher education program. An endorsement in computer education (18 hours) can be obtained if the individual holds a license in another teaching area.

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

Conceptual Framework for the Professional Education Program. The professional education program at Western Carolina University fulfills its mission by creating and nourishing a community of learners guided by knowledge, values, and experiences. The guiding principles of this community include the belief that the best educational decisions are made after adequate reflection and with careful consideration of the interests, experiences, and welfare of the persons affected by the decisions; appreciation of and respect for diversity; and the fostering of the responsible use of technology.

Second Academic Concentration. A second academic concentration 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, or physical education. The concentration areas available are the following: anthropology, art, biology, communication training and development, English, health promotion and wellness, history, mathematics, natural science, philosophy, political science, psychology, social sciences, sociology, Spanish, and theatre. A second academic concentration declaration form must be completed and filed in the dean’s office.

SECOND ACADEMIC CONCENTRATIONS (18 HOURS MUST BE COMPLETED FOR EACH CONCENTRATION)

Please select one of the following:

1. ANTHROPOLOGY (Total hours: 18)

   Required courses: ANTH 260.

   Additional courses: Select 15 additional hours from upper level anthropology courses.
2. ART (Total hours: 18)
Required courses: ART 131: Intro. Drawing, ART 137: Art History Survey II.
Students must choose either a 2D or 3D concentration. 2D Concentration includes ART 132: 2D Design, plus an additional 9 hours chosen from painting, drawing, printmaking, photography or book arts courses. 3D Concentration includes ART 142: 3D Design, plus an additional 9 hours chosen from ceramics or sculpture courses.

3. BIOLOGY (Total hours: 18)
Required courses: BIOL 140, 141, 304, 305, 333, 496.

4. COMMUNICATION TRAINING AND DEVELOPMENT (Total hours: 18)
Required courses: CMCR 150, 250.

5. ENGLISH (Total hours: 18)
Required courses: ENGL 251, 252; ENGL 261, 262; ENGL 312; ENGL 414.

6. HEALTH PROMOTION AND WELLNESS (Total hours: 18)
Required courses: HEAL 305, HEAL 312, ND 330, and COUN 325.
Additional courses: Select 6 hours from ENVH 230, HEAL 250 (for non-PE majors), PE 255 (for non-PE majors), HSCC 150, PSY 331, PSY 426, SM 213, SOC 365. Note: Selecting HEAL 250 and/or PE 255 will result in 19 hours in the SAC.

7. HISTORY (Total hours: 18)
Required courses: HIST 231, 232.
Additional courses: Select 12 hours of junior-senior level history courses.

8. MATHEMATICS (Total hours: 18)
Required courses: MATH 146, MATH 170 or 270, MATH 311, MATH 140 or 153.
(Students majoring in middle grades education must also complete MATH 231.) Elective courses: MATH 250, 255, 300, 301, 400, or other courses approved by the Head of the Department of Mathematics and Computer Science to complete a minimum of 18 hours.

9. NATURAL SCIENCE (Total hours: 18)
Required courses: BIOL 140, GEOL 150, PHYS 130, CHEM 132.
Additional courses: Select 2 hours from any AST, BIOL, CHEM, GEOL, or PHYS course not counted for Liberal Studies.

10. PHILOSOPHY (Total hours: 18)
Required courses: PHIL 102, 230.
Additional courses: Select 12 hours of philosophy or religion courses at the junior-senior level.

11. POLITICAL SCIENCE (Total hours: 18)
Required courses: PSC 150.
Additional courses: Select 15 hours from any 200 level and above Political Science courses.
12. PSYCHOLOGY (Total hours: 18)

Required course: PSY 150.

Additional courses: Select 3 hours from PSY 210, 313, 331, 333, 360; 3 hours from PSY 440, 444, 448, 455; 3 hours from PSY 363, 430, 441, 470, 474; 6 hours of psychology electives (excluding PSY 320 and PSY 321).

Students are encouraged to take PSY 389, 480, and/or 483-486 as psychology electives.

13. SOCIAL SCIENCES (Total hours: 18)

Available only to Middle Grade majors. Select 6 hours in each of the following three categories. One of the choices must be a geography course, and all courses must be exclusive of liberal studies. Recommended courses are marked with an asterisk.*

I. HIST 222 and one of the following: GEOG 350*, HIST 327*, PSC 215*, HIST 311, 313, 317, 322, 323, 330, 361, 362, 412, 413, 414, 416, 425, 493 (if European or South American topic), PSC 219, 345, 346, 415, GEOG 440 (if European or South American topic).

II. Two of the following: HIST 107*, HIST 373*, HIST 375*, ANTH 477*, HIST 411, 493 (if Asian or African topic), PSC 216, 317, 333, 335, 436, 493 (If Asian or African topic), SOC 434, GEOG 440 (if Asian or African topic).

III. HIST 341 and one of the following: HIST 443*, HIST 446*, PSC 408*, HIST 431, 432, 433, 434, 435, 436, 442, 445, 448, 451, 454, 455, GEOG 440 (if North Carolina topic), PSC 347.

14. SOCIOLOGY (Total hours: 18)

Required courses: SOC 103.

Additional courses: Select 15 hours from any 200-level and above sociology course.

15. SPANISH (Total hours: 18)

Required courses: SPAN 102 or equivalent; SPAN 231 & 232 or SPAN 240, or equivalent; SPAN 301 and 302.

Additional courses: Select 3 additional hours from upper level Spanish courses.

16. THEATRE (Total hours: 18)

Required courses: CMTA 131, 140, 231, 300 or 301, 350, 400 or 401.

Admission to the Teacher Education Program. Acceptance and registration in a department do not guarantee admission to the teacher education program in that department. A student is not officially in a teacher education program until approved by the student’s major department and by the Teacher Education Council. The applicant’s fitness for teaching in the chosen area is determined on the basis of demonstrated academic ability and other personal characteristics conducive to effective teaching. A student may be considered suitable in one area and unsuitable in another. Students with speech defects that will interfere with successful teaching may be required to take corrective therapy.

Students who plan to receive a degree in education or a license through Western Carolina University must apply for and be officially admitted to a teacher education program. Students should apply for admission to teacher education during the semester in which they are enrolled in EDCI 231 (BK 250 for B-K majors), a course that is prerequisite to all other courses in the professional education sequence. Application should be made during the advisement and pre-registration weeks of the semester. Application forms are available in Room 228, Killian Building. The only courses in the professional education sequence that may be taken before being fully admitted to teacher education are EDCI 231 and PSY 320 or PSY 322 (BK 250 and SPED 313 for B-K majors).
Admission criteria. All requirements for admission to teacher education should be met by the beginning of the semester following the semester in which the student submitted the application. The following criteria are minimum requirements for admission:

1. completed at least 30 hours;
2. earned a C (2.0) or higher grade in EDCI 231, ENGL 101 and 102;
3. earned and maintain a minimum cumulative GPA of 2.5 on hours attempted at WCU; students with a major in elementary or middle grades education must earn (and then maintain) a minimum cumulative GPA of 2.75 on hours attempted at WCU;
4. achieved the minimum required scores on the PPST (reading, writing, mathematics). Students should register to take these tests during the first two weeks of the semester in which they apply for admission to teacher education;
5. completed a personal interview and received a satisfactory evaluation from the Professional Education Interview Panel. Students should register for the interview during the first two weeks of the semester in which they apply for admission to teacher education;
6. taken the Technology Diagnostic (students should take this when they are enrolled in EDCI 231 or before);
7. submitted the application for Admission to Teacher Education.

Applicants already holding non-teacher education degrees must meet all of the above requirements except they are not required to take the PPST. (Applicants to the B-K program without a teaching license must earn minimum scores on the PPST). They must have had a minimum cumulative GPA of 2.5 (2.75 for elementary and middle grades education) at the time of graduation. Applicants with non-teaching degrees from accredited institutions without cumulative GPA of at least 2.5 have two options:

1) The student is eligible to apply for admission to a licensure-only or a second-degree program no sooner than three calendar years after receipt of the baccalaureate degree.

Or

2) The student is eligible to apply with passing scores on Praxis I tests and one of the following:
   • a GPA of 3.0 in the major field of study;
   • a GPA of 3.0 on all work completed in the senior year; or
   • a GPA of 3.0 on a minimum of 15 semester hours of course work (relative to licensure) completed during the preceding five years.

Students must have maintained satisfactory conduct and citizenship records which are in keeping with the ethics of the teaching profession. A student who is readmitted to the university after dismissal, suspension, or expulsion will not be readmitted to the teacher education program the first term after returning. Applicants with a record of legal offenses may not be eligible for admission to teacher education.

Applications for admission to teacher education are considered and acted upon by the Teacher Education Council.

Application forms are available in the dean's office. The student should process the application as indicated on the form and file it in the dean's office two weeks before early registration for the term in which admission is sought or by the date designated each term.

Continuation in the Teacher Education Program. The requirements for continuing in the program are (1) a GPA of at least 2.5 on hours attempted, (2) behavior which adheres to the code of ethics of the profession, and (3) satisfactory participation in the required professional laboratory program that is prerequisite to student teaching. An evaluation of each field experience assignment will become a part of the student's professional record.

If a student fails any course in the professional education sequence twice, the student is withdrawn from teacher education.
Course Requirements in the Program. The teacher education program requires a professional education sequence of twenty-one to thirty-two semester hours in courses pertinent to teaching in specific areas and at various levels. All courses in the sequence except internship/student teaching and the internship/student-teaching seminar must be completed before admission to internship or student teaching. The courses in the sequence are determined by the student's major:

Birth-Kindergarten, 32 hours: BK 250, SPED 313, EDEL 313, COUN 310, BK, SPED, EDEL 483, BK, SPED, EDEL 496.
Elementary and Middle Grades, 26 hours: EDCI 231; PSY 320, 321; SPED 335; EDEL 484, 485, 495.
Physical Education, 26 hours: EDCI 231; PSY 320 or 322; 321; PE 325; PE 488; PE 489; 496.
Special Education, 21 hours: EDCI 231; PSY 320 or 322, 321; SPED 490, 495.
Secondary and Special Subject Teaching, 28 hours: EDCI 231; EDSE 322; PSY 320 or 322, 321; SPED 335; *Methods, EDSE 490, 495; **491.

*Methods: ART 463, ENGL 417, GER 420, HIST 405, MATH 415, MUS 326 or 327, SCI 422, SPAN 420.

**ART, ENGL, GER, HIST, MATH, MUS, SCI, or SPAN

Clinical and Field Experience for Professional Education. The teacher education program requires field experiences in conjunction with several courses in addition to the intern/student-teaching requirement. Students are expected to make their own arrangements for transportation and housing and absorb the costs related to field experiences and internship or student teaching. Each program has different requirements, and students should discuss costs with the program head prior to applying for admission to the teacher education program. The goal of professional education clinical and field experiences is to help teacher education students learn to teach all of their pupils to achieve at high levels of performance. Although each field experience requirement has its own specific purpose and placement procedures, the strategies to achieve this goal are stated below:

1. Field experience placements are made so that students have the opportunity to work with qualified educators in successful programs.

2. Field experience placements are made so that students have the opportunity to work with diverse learners.

3. Field experiences placements are made in collaboration with B-12 school personnel.

4. Field experience placements are made to facilitate appropriate supervision of students.

Student teaching/internship assignments are made only in school systems within the WCU service area.

Admission to Student Teaching/Internship. Students apply to the director of field experiences early in the semester prior to the semester in which student teaching/internship is to be done. The requirements for admission to student teaching/internship are: (1) completion of at least 39 of 42 hours required for Liberal Studies, (2) enrollment in the professional education sequence for at least two semesters, (3) completion of at least ninety hours in a teacher education curriculum, (4) one term in residence, (5) a GPA of 2.5 or above, both at the beginning of the term immediately preceding the student teaching/internship term and at the time of enrollment in student teaching/internship (2.75 GPA required for elementary and middle grades majors), (6) completion of at least two-thirds of the major, (7) completion of all records designated by the director of field experiences, (8) completion of the applicable
professional education sequence except for student teaching/internship and the student teaching/internship seminar, (9) completion of student teaching/internship application including recommendation by adviser and department head.

**Continuation in Student Teaching/Internship.** To continue in student teaching/internship, students must maintain satisfactory professional conduct and adhere to the policies and regulations of the school to which they are assigned. When recommended by the director of field experiences and approved by the dean, students failing to perform at a satisfactory level may be removed from student teaching/internship.

**Requirements for Teacher Licensure.** To be eligible for teacher licensure, a student must (1) complete one of the approved teacher-education programs, (2) make a minimum grade of C (2.0) in student teaching, (3) receive a public school recommendation indicating that student teaching was successful, (4) successfully complete the technology portfolio, (5) complete applications for licensure and file them with the dean of the College of Education and Allied Professions, (6) receive a recommendation from the head of the department of the teaching major, (7) achieve the minimum score on the PRAXIS Tests, (8) receive a professional recommendation for Class A licensure by the dean of the College of Education and Allied Professions, and (9) pay the fee required by the State Board of Education for the issuance of a teacher license.

**North Carolina Teaching Fellows.** North Carolina Teaching Fellows must complete requirements in addition to those for regular teacher education students.

**EDUCATION AND ALLIED PROFESSIONS INTERDISCIPLINARY PROGRAMS**

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

**DEPARTMENT OF BIRTH-KINDERGARTEN, ELEMENTARY AND MIDDLE GRADES EDUCATION**

*vacant, head*


**The Birth-Kindergarten Program.**
Admission and retention policies in the B-K program are based on the standards and guidelines of the State of North Carolina and the National Council for Accreditation of Teacher Education (NCATE). Approved institutions must have established procedures for implementing decisions regarding admission to and retention in the program. The state and NCATE guidelines require continuous evaluation of students admitted to the program.

**Admission to the Birth-Kindergarten Program.**
Students in the B-K program, regardless of concentration, must earn and maintain a GPA of 2.5 before being admitted to the program. Students must apply during the semester they complete BK 250. Students may accumulate no more than 12 semester hours in the major before being admitted to the BK program.
Birth-Kindergarten majors must maintain an overall GPA of 2.5 or better and passing grades in all courses required in the major. If a student's overall GPA falls below 2.5, the student will have one semester to increase the GPA to the minimum 2.5 level. If after one semester, the overall GPA is not 2.5, the student is withdrawn from the major. The student may re-declare the major at a later semester when the minimum GPA is met. If a student receives an F in a required major course, the student must retake the course when it is offered and earn a passing grade. If a student fails any required major course twice, the student is withdrawn from the major.

Admission to the Professional Education Concentration.

Students in the professional education concentration must be admitted to teacher education (See Teacher Education) and are subject to all of the teacher education requirements. BK 250 and SPED 313 are the only courses in the professional education sequence that may be taken before admission to teacher education. The BK professional education sequence includes BK 250, SPED 313, EDEL 313, COUN 310, BK, SPED, EDEL 483, BK, SPED, EDEL 496.

Continuation in the B-K program. The requirements for continuing in the program are (1) a GPA of at least 2.5 on hours attempted (2) behavior which adheres to the code of ethics of the profession and (3) satisfactory participation in the required professional field experiences, which is prerequisite to internship. An evaluation of each field experience assignment will become a part of the student's professional record.

MAJOR IN BIRTH-KINDERGARTEN, B.S. DEGREE

Liberal Studies, 42 hours

The major requires 51 hours as follows:

BK 250 Introduction to Birth-Kindergarten, 3 hours
BK 260 Foundations of Child Study, 3 hours
BK 361 Environments for Young Children, 3 hours
BK 366 Infant Development and Curriculum, 3 hours
BK 462 Adult Child Interactions, 3 hours
BK, SPED, EDEL 470 Early Childhood Curriculum, 3 hours
BK 363 Child Development, 3 hours
BK 463 Computer Applications for Early Childhood Professionals, 3 hours
COUN 310 Family Systems, 3 hours
COUN 440 Leadership and Facilitation, 3 hours
SPED 240 The Exceptional Child, 3 hours
SPED 313 Assessment of Young Children, 3 hours
SPED 345 Adaptations and Modifications for Young Children with Disabilities, 3 hours
SPED 411 Collaborative Planning, 3 hours
SPED 412 Interagency Practicum, 3 hours
EDEL 313 Literacy and Numeracy, 3 hours
EDEL 314 Kindergarten Curriculum, 3 hours

Concentration, 20-21 hours selected from the following:

Professional education (20 hours): BK-SPED-EDEL 483 (16 hrs.), BK-SPED-EDEL 496 (4 hrs.). Home-based internships are completed in the fall semester; center-based internships are completed in the fall, spring, or summer semesters; and public school internships are completed in the spring semester.

Non-licensure (21 hours): BK, SPED 488 (9 hrs.), 12 hours selected from COUN 430, HIST 451, SOC 326, SPED 401, 405 or courses approved by the BK program.

General electives, 14-15 hours.
Minor in Birth-Kindergarten
The minor requires 21 hours, including BK 363, 462; COUN 310, SPED 240, SPED 345 and 6 hours selected from BK 260, 361, SPED 313, 411, 412.

CURRICULUM GUIDE FOR B.S. IN BIRTH – KINDERGARTEN (LICENSURE)

FRESHMAN YEAR

<table>
<thead>
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<td>P3 History</td>
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Make sure one of the Liberal Studies Perspectives is 300-400 level.

SOPHOMORE YEAR

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JUNIOR YEAR

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<td>SPED 313** Asses. of Young Child</td>
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**Professional Sequence Courses
After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.

SENIOR YEAR

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**Professional Sequence Courses
Total Hours for Degree: **128**

Any notes or other information: Students may finish earlier if they attend summer school at WCU or another approved institution.

**CURRICULUM GUIDE FOR B.S. IN BIRTH – KINDERGARTEN (NON-LICENSED)**

**FRESHMAN YEAR**

**FALL SEMESTER**

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**SPRING SEMESTER**

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<td>P6 World Cultures</td>
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<tr>
<td>P5* Fine &amp; Performing Arts</td>
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<tr>
<td>C5 Physical &amp; Biological Sciences</td>
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Make sure one of the Liberal Studies Perspectives is 300-400 level.

**SOPHOMORE YEAR**

**FALL SEMESTER**

<table>
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<th>Course and Number</th>
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<td>CMHC 201 Communications</td>
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<td>SPED 240 The Exceptional Child</td>
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**SPRING SEMESTER**

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**JUNIOR YEAR**

**FALL SEMESTER**

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**SPRING SEMESTER**

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

**SENIOR YEAR**

**FALL SEMESTER**

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**SPRING SEMESTER**

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</table>

Total Hours for Degree: **128**

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

Birth-Kindergarten (BK)

250 Introduction to Birth-Kindergarten (3)
Introduction to the Birth-Kindergarten major and profession. 2 Lecture, 1 Lab.

260 Foundations of Child Study (3)
Childhood in western culture from a multidisciplinary perspective. Emphasis on the philosophical roots of the early childhood model and its role in educational reform.

312 Kindergarten Curriculum (3)
Overview of methods for kindergarten curriculum for typical and atypical children in the public school environment. 2 Lecture, 2 Lab.

313 Literacy and Numeracy (3)
A study of emergent literacy and numeracy in young children from a developmental and constructivist perspective. Includes regular observation and data collection. PREQ: Admission to program.

361 Environments for Young Children (3)
The physical, emotional, and social environment suitable for young children; room arrangement, scheduling, space utilization, and teacher-child interaction.

363 Child Development (3)
Physical, emotional, social, and mental development from birth through middle childhood. 2 Lecture, 2 Lab.

366 Infant Development and Curriculum (3)
Dynamics of infant development and curriculum for both typical children and children with, or at risk, for disabilities. 2 Lecture, 3 Lab.

462 Adult-Child Interaction (3)
Various cultural paradigms influencing behavior of adults regarding children’s discipline. Facilitation of self-management through nonverbal and verbal communication, and the dimensions of play.

463 Computer Applications for Early Childhood Professionals (3)
The advancement of basic technology and multimedia for developing an electronic content/technology portfolio.

465 Portfolio Development and Assessment (3, R6)
Documentation of artifacts illustrating BK knowledge and pedagogical expertise as required by the BK state program of study.

470 (EDEL, SPED) Early Childhood Curriculum (3)
Materials, environments, and interactions for 2-5 year olds in all curricular areas including thinking and social problem-solving for children with and without disabilities. 2 Lecture, 3 Lab.

480 Independent Study (1-3, R6)
PREQ: Permission of instructor.

483 (EDEL, SPED) Internship (5, R20)
Observing, planning, teaching, and evaluating young children with and without disabilities in a variety of settings. COREQ: BK/EDEL/SPED 496. 5 days/week, full-time.

488 (EDEL) Internship II (9)
Observing, planning, teaching, and evaluating young children with and without disabilities in a variety of settings.

493 Special Topics (1-3, R6)
Current topics in birth-kindergarten development and curriculum.
496 (EDEL, SPED) Internship Seminar (1, R4)
The interrelationships of theory and practice in the context of experience. COREQ: BK 483.

MAJOR IN ELEMENTARY EDUCATION, B.S.ED. DEGREE

Liberal Studies, 42 hours

The major requires 36 hours as follows:

EDEL 303 Literature for Children and Youth, 3 hours
EDEL 312 Elementary School/Methods and Curriculum, 3 hours
EDEL 315 Elementary/Middle Grades Communication Skills, 3 hours
EDEL 316 Elementary/Middle Grades Science, 3 hours
EDEL 317 Elementary/Middle Grades Social Studies, 3 hours
EDEL 318 Elementary/Middle Grades Mathematics, 3 hours
EDEL 466 Computers in Education, 3 hours
EDRD 334 Reading Instruction in the Elementary School, 3 hours
EDRD 474 Practicum in Teaching Reading, 3 hours
PE 361 Physical Education for the Elementary Teacher, 1 hour
MATH 230 Theory of Arithmetic I, 3 hours
MATH 231 Theory of Arithmetic II, 3 hours
MUS 301 Basic Skills, 1 hour
ART 363 Art for Children, 1 hour

In order to complete the program, the following are required:
1. completion of an approved disciplinary focus area, 24 hours;
2. completion of the professional education sequence for elementary education majors, 26 hours.
3. no grade lower than C on all program requirements including all EDEL, EDMG, and EDRD courses will be accepted for graduation.

CURRICULUM GUIDE FOR ELEMENTARY EDUCATION, B.S.ED. DEGREE

FRESHMAN YEAR

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<th>Hrs.</th>
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<td>ENGL 101 Composition I</td>
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Make sure one of the Liberal Studies Perspectives 300-400 level.

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<td>CMHC 201 Communication</td>
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*Apply for admission to the Professional Sequence during this semester (Praxis I, interview, technology diagnostic, GPA of 2.75 or greater)

**JUNIOR YEAR**

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<td>EDEL 317 Elem/ Middle Grades SS &amp; Youth</td>
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*Prerequisite is admission to the professional sequence (EDEL 312 is also co-requisite with Block)**EDCI 231 is prerequisite to EDEL 318; MATH 231 preferably taken with EDEL 318 (if not with, should be taken prior to EDEL 318)***EDCI 231 is prerequisite to PSY 320 BLOCK is one full day per week in a public school.

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

**SENIOR YEAR**

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<td>EDEL 495 Seminar for Student Teachers</td>
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*Prerequisite is admission to the Professional Sequence. ALL COURSES LISTED EACH SEMESTER THE SENIOR YEAR ARE CO-REQUISITES. Internships require students to report when the public school system schedule begins for that semester (usually the first week in January or August). Attendance in a seminar is required for Intern I.

Total Hours for Degree: **128**

Students must make a grade of C or better in all Professional Education and elementary major courses.

**Course Descriptions**

**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.

312 **Elementary School/Methods and Curriculum (2)**
Methods, materials, and curriculum for children in grades 3 through 6. PREQ: Admission to the professional education sequence.
318 Elementary/Middle Grades Mathematics (3)
The development of mathematical concepts; programs, methods, and materials for grades K-9. PREQ: MATH 231 and admission to the professional education sequence.

390 Practicum I (1-2)
Supervised observation and participation in a public school classroom. PREQ: Admission to professional education sequence and permission of instructor. One day per week.

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.

467 Adolescent Literature (3)
The reading development and reading interests of adolescents; criteria for evaluation; instructional strategies; study of a wide range of books.

470 (BK, SPED) Early Childhood Curriculum (3)
Materials, environments, and interactions for 2-5 year olds in all curricular areas including thinking and social problem-solving for children with and without disabilities. 2 Lecture, 3 Lab.

476 Guiding Children’s Behavior and Managing Classrooms (2)
Methods for managing classrooms and helping students from kindergarten to grade 9 develop self discipline. COREQ: 490, 495.

483 (BK, SPED) Internship (5, R20)
Observing, planning, teaching, and evaluating young children with and without disabilities in a variety of settings. COREQ: BK/EDEL/SPED 496. 5 days/week, full-time.

488 (BK) Internship II (9)
Observing, planning, teaching, and evaluating young children with and without disabilities in a variety of settings.

490 Supervised Student Teaching (9)
A full-time internship under university supervision. COREQ: 476, 495.

496 (BK, SPED) Internship Seminar (1, R4)
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)
580 Independent Study (3)
593 Topics in Elementary Education (3)
601 Elementary School Curriculum (3)
603 Elementary Science Curriculum (3)
604 Elementary Social Studies Curriculum (3)
605 Elementary Math Curriculum (3)
606 Elementary Language Arts Curriculum (3)
607 Mathematical Problem Solving in Elementary/Middle School (3)
608 Diagnosis and Remediation in Elementary/Middle School Math (3)
610 Distance Education (3)
614 Issues and Trends in Elementary Education (2)
653 Advanced Children’s Literature (3)
666 Projects in Educational Computing (3)
675 Workshop in Elementary Education (3)
680 Independent Study (1-3, R6)
695 Research Seminar in Elementary Education I (2)
696 Research Seminar in Elementary Education II (2)
701 Seminar in Elementary School Curriculum (3)
779 Continuing Research—Non-Thesis Option (1, R10)
782 Research in Elementary Education (3)
796 Advanced Research Seminar in Elementary Education II (3)
798 Advanced Research Seminar in Middle Grades Education II (3)

Elementary and Middle Grades Education (ELMG)

415 Elementary/Middle Grades Communication Skills (3)
Teaching methods, materials, and curriculum development in the language arts, grades K-9. PREQ: Admission to the professional education sequence.
416 Elementary/Middle Grades Science (3)
Teaching methods and curricular development in science, grades K-9; materials and teaching strategies. PREQ: Admission to the professional education sequence.

417 Elementary/Middle Grades Social Studies (3)
Methods, materials, and strategies for teaching social studies in grades K-9. PREQ: Admission to the professional education sequence.

466 Computers in Education (3)
The use of computers in school settings; emphasis on instructional applications, issues, and trends.

484 Supervised Internship I (3)
A part-time internship under university supervision with seminar. COREQ: 315; 466; EDRD 474. Field experience with seminar.

485 Supervised Internship II (9)
A full-time internship under university supervision. PREQ: 484. COREQ: 495. Full-time field experience.

495 Seminar for Student Teachers (3)
Theory related to practice during student teaching. COREQ: 476, 490.

MAJOR IN MIDDLE GRADES EDUCATION, B.S.ED. DEGREE
Liberal Studies, 42 hours
The major requires 15 hours in core courses as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDMG 310</td>
<td>Middle School Child and Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>EDEL 315</td>
<td>Elementary/Middle Grades Communication Skills</td>
<td>3</td>
</tr>
<tr>
<td>EDEL 466</td>
<td>Computers in Education</td>
<td>3</td>
</tr>
<tr>
<td>EDRD 443</td>
<td>Middle Grades Reading</td>
<td>3</td>
</tr>
<tr>
<td>EDRD 474</td>
<td>Practicum in Teaching Reading</td>
<td>3</td>
</tr>
</tbody>
</table>

In order to complete the program, the following are required:
1. The completion of an approved disciplinary focus area (24 hours);
2. Two concentrations of at least 18 hours, including the appropriate 3-hour methods course, in mathematics and science or social studies and language arts. Work completed in the disciplinary focus area may be counted toward one concentration.
3. The professional education sequence (26 hours) for middle grades education and an elective (0-3 hours).
4. No grade lower than C on all program requirements including all EDEL, EDMG, and EDRD courses and courses in the middle grades areas of licensure will be accepted for graduation.

Reading (K-12) Certification Track
Certification in reading may be earned by students holding or eligible for certification in elementary education or middle grades education. The program requires 19 semester hours including EDEL 303; EDEL 467; EDRD 334; EDRD 443; EDRD 453; and EDRD 474. Students holding or eligible for certification in other areas may also obtain certification in reading. For information contact the head of the Department of Elementary and Middle Grades Education.
CURRICULUM GUIDE FOR MIDDLE GRADES EDUCATION, B.S.ED. DEGREE

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>hrs.</th>
<th>SPRING SEMESTER</th>
<th>Course and Number</th>
<th>hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ENGL 101 Composition I</td>
<td>3</td>
<td>ENGL 102 Composition</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>HEAL or HSCC 123/101 Wellness</td>
<td>3</td>
<td>P3 History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>P1 Social Sciences</td>
<td>3</td>
<td>C5 Physical &amp; Biological Science</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>P5 Fine &amp; Performing Arts</td>
<td>3</td>
<td>P1 Social Sciences</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>190 series First Year Seminar</td>
<td>3</td>
<td>P6 World Cultures</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>JS 101 Jumpstart</td>
<td>0</td>
<td>P4 Humanities</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>190 series First Year Seminar</td>
<td>3</td>
<td></td>
<td>18</td>
<td></td>
</tr>
</tbody>
</table>

Make sure one of the Liberal Studies Perspectives is 300-400 level.

SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>hrs.</th>
<th>SPRING SEMESTER</th>
<th>Course and Number</th>
<th>hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>C5 Physical &amp; Biological Science</td>
<td>3</td>
<td>EDCI 231** Foundations of Education</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>C2 Math*</td>
<td>3</td>
<td>DFA/Conc</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CMHC 201 Communications</td>
<td>3</td>
<td></td>
<td>18</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DFA/Conc</td>
<td>9</td>
<td></td>
<td>18</td>
<td></td>
</tr>
</tbody>
</table>

*Take MATH 230 if Math is DFA or Concentration  **Apply for admission to the Professional Sequence during this semester (Praxis I, interview, technology diagnostic, GPA of 2.75 or greater)

DFA/CONCENTRATION courses are often offered in summer.

JUNIOR YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>hrs.</th>
<th>SPRING SEMESTER</th>
<th>Course and Number</th>
<th>hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>EDMG 310* Middle School Child &amp; Curriculum</td>
<td>3</td>
<td>EDRV 443* Middle Grades Reading</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PSY 320** Child &amp; Adoles. Dev.</td>
<td>3</td>
<td>PSY 321* Educational Psychology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EDEL 316*/317*/318***Elem/ Middle Grades Subjects</td>
<td>3</td>
<td>EDEL 316*/318**<em>467</em>/317* Elem/ Middle Grades Subjects</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SPED 335* Teaching Exceptional Children</td>
<td>3</td>
<td>DFA/Conc</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DFA/Conc</td>
<td>6</td>
<td>General Elective</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Block Application</td>
<td>6</td>
<td>Block*</td>
<td>17</td>
<td></td>
</tr>
</tbody>
</table>

* Prerequisite is admission to professional sequence **EDCI 231 is prerequisite to PSY 320***EDCI 231 is prerequisite to EDEL 318; MATH 231 preferably taken with EDEL 318 (if not with, should be taken prior to EDEL 318)

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

SENIOR YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>hrs.</th>
<th>SPRING SEMESTER</th>
<th>Course and Number</th>
<th>hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>EDEL 484* Internship I</td>
<td>3</td>
<td>EDEL 485* Internship II</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EDEL 315* Elem/ Middle Grades Communication Skills</td>
<td>3</td>
<td>EDEL 495* Seminar for Student Teachers</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EDEL 466* Computers in Education</td>
<td>3</td>
<td></td>
<td>12</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EDRD474* Practicum in Teaching Reading</td>
<td>3</td>
<td></td>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>
*prerequisite is admission to the professional sequence ALL COURSES LISTED THE SENIOR YEAR ARE CO-REQUISITES EACH SEMESTER. *Internships require students to report when the public school system schedule begins for that semester (usually the first week in January or August). Attendance in a seminar is required for Intern I and II.

Total Hours for Degree: 128

Students must make a grade of C or better in all Professional Education, middle grades major, DFA, and concentration courses.

Course Descriptions

Middle Grades Education (EDMG)

410 The Middle School Child and Curriculum (3)
Programs, methods, and materials for students in the middle grades. PREQ: Admission to professional education sequence.

Graduate Courses
501 Math and the Middle Grades Learner (2)
502 Science and the Middle Grades Learner (2)
503 Language Arts and the Middle Grades Learner (2)
504 Social Studies and the Middle Grades Learner (2)
511 Math: Teaching Strategies for the Middle Grades (2)
512 Science: Teaching Strategies for the Middle Grades (2)
513 Language Arts: Teaching Strategies for the Middle Grades (2)
514 Social Studies: Teaching Strategies for the Middle Grades (2)
521 Math: Assessment and Remediation in the Middle Grades Classroom (2)
522 Science: Assessment and Remediation in the Middle Grades (2)
523 Language Arts: Assessment and Remediation in the Middle Grades Classroom (2)
524 Social Studies: Assessment and Remediation in the Middle Grades Classroom (2)
589 Internship in Middle Grades (3, R9)
621 Issues and Trends in Middle Grades Education (2)
622 Teaching-Learning Strategies for the Middle Grades (3)
623 Teaching Writing in the Middle Grades (3)
680 Research in the Middle Grades: Proposal (2)
681 Research for the Middle Grades: Project (2)
682 Trends and Issues in Middle Grades Education: The Professional Portfolio (2)
979 Continuing Research—Non-Thesis Option (1, R10)

Reading (EDRD)

250 College Reading and Vocabulary (3)
Extending skills for college and recreational reading; emphasis on vocabulary and comprehension.

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.

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. PREQ: Admission to the professional education sequence.
384  

453 High School and Adult Reading (3)  
Methods and materials for teaching reading in high school and adult education. PREQ: 443.  

467 Adolescent Literature (3)  
The reading development and reading interests of adolescents; criteria for evaluation; instructional strategies; study of a wide range of books.  

474 Practicum in Teaching Reading (3)  
Assessment of reading problems and strategies for teaching reading. PREQ: 334 or 443 and admission to the professional education sequence. 2 Lecture, 2 Lab.  

Graduate Courses  
520 Phonics and Word Analysis (3)  
543 Middle Grades Reading (3)  
553 High School and Adult Reading (4)  
573 Practicum in Teaching Reading (3)  
631 Smoky Mountain Language and Literacy Institute (3, R9)  
651 Clinical Procedures in Remedial Reading (3)  
661 Issues and Trends of Literacy Education (3)  
740 Reading Research Projects (3)  

DEPARTMENT OF EDUCATIONAL LEADERSHIP AND FOUNDATIONS  
Anna McFadden, head  


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>Comprehensive Science</td>
<td>Art</td>
</tr>
<tr>
<td>English</td>
<td>Communication Disorders</td>
</tr>
<tr>
<td>Mathematics</td>
<td>German</td>
</tr>
<tr>
<td>Social Sciences</td>
<td>Special Education</td>
</tr>
<tr>
<td></td>
<td>Music (General)</td>
</tr>
</tbody>
</table>

Students holding a degree other than a Bachelor of Science in Education may be admitted to the teacher education program and earn teacher licensure. Consult your adviser or department head.  

Course Descriptions  

College Student Personnel (CSP)  

Graduate Courses  
530 College Student Subcultures and Student Characteristics (3)  
593 Topics in College Student Personnel (1-3, R9)  
605 Introduction to College Student Personnel (3)  
611 Organization and Administration of College Student Personnel Services (3)  
621 Theories of College Student Development (3)  
630 Legal Issues for College Student Personnel (3)  
683 Internship I (1-3, R6)  
684 Internship II (1-3, R6)  
685 Internship III (1-3, R6)  
693 Topics in College Student Personnel (1-3, R9)  
695 Seminar in College Student Personnel (3)  

Curriculum and Instruction (EDCI)  
191 The Great School Wars (3)  
An interdisciplinary examination of the ways in which public policy debates about schooling reflect ideological differences in American society.
200 Seminar in Leadership Development (1, R4)
Leadership development through seminars with university and public-school professionals, field trips, and service projects. S/U grading. PREQ: Admission to the North Carolina Teaching Fellows program.

231 Historical, Social, and Philosophical Foundations of Education (3)
Survey of historical, sociological, and philosophical aspects of education and current influences, including diversity and technology. Introduction to teacher education conceptual framework. Field experience required.

300 Seminar in Teaching and Research (1, R3)
Leadership development through seminars, projects with mentors, and independent study. S/U grading. PREQ: Admission to the North Carolina Teaching Fellows program and to the professional education sequence.

480 Reading and Research in Education (3)
PREQ: Permission of department head.

Graduate Courses
503 Social Studies in the Secondary School (3)
602 Methods of Research (3)
603 Comparative Education (3)
604 Curriculum Development (3)
605 Foundations of Modern Education (3)
612 Principles and Application of Educational Research Methods and Analysis (3)
613 The Teacher Leader (3)
615 Philosophy, History, and Sociology of Education (3)
617 Methods and Practices for Learning in Content Areas (3)
689 Internship in Secondary Education & Special Subjects Areas (3, R9)
695 Seminar in Reflective Practice in Teaching (3)
699 Thesis (4)
700 Philosophy of Education (3)
702 Research Seminar in Curriculum (3)
706 Statistical Analysis in Research (3)
709 Educational Testing and Assessment (3)
711 Qualitative Research (3)
793 Topics in Education (1, R3)
796 Research Seminar in Curriculum & Instruction (3)
800 Issues in Rural Education (3)
801 Mega Theory: Res. Review and Applications (3)
802 Program Evaluation for Educational Leaders (3)
805 Advanced Studies in the Foundations of Educ. (3)
806 Advanced Research Methods (3)
895 Doctoral Research Seminar (3)
979 Continuing Research—Non-Thesis Option (1, R10)
999 Continuing Research—Thesis Option (2, R24)

Education and Psychology (EDPY)
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 Selected Topics in Educa. and Psychology (3, R12)

Educational Leadership (EDL)

Graduate Courses
611 Managing Educational Organizations (3)
612 School-based Curriculum and Instr. Leadership (3)
620 Legal and Ethical Foundations of Public Education (3)
625 Introduction to School Leadership (3)
660 School-Community Relations (3)
680 Problems in School Administration (1-3, R3)
685 Internship Orientation (1)
686 School Site Internship I (2-3)
687 School Site Internship II (3)
705 Leadership for Educational Programs (3)
715 Leadership of Professional Learning (3)
730 School Finance and Business Management (3)
731 Policy Development and Analysis (3)
732 Leadership in the Integration of Educational Technology (3)
740 School Plant Planning and Management (2)
750 Educational Human Resource Management (3)
760 School Community Relations (3)
779 Continuing Research—Non Thesis Option (1, R10)
793 Topics in School Administration (1, R3)
795 Seminar in Supervision (2)
799 Continuing Research (2, R24)
800 Advanced Leadership Theory (3)
810 Behavior and Management of Educational Org. (3)
820 Educational Politics and Policies (3)
876 Ethics in Educational Leadership (3)
877 The Superintendency (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)
Educational Supervision (EDSU)

Graduate Courses
605 Principles of Supervision (3)  
615 Techniques of Supervision (3)  
620 School-Based Instructional Leadership (3)  
630 School Improvement (3)  
635 Supervision of the Novice Teacher (3)  
680 Problems in Supervision (1, R3)  
685 Internship in Supervision (2)  
693 Topics in Supervision (1, R3)

Higher Education (EDHE)

Graduate Courses
531 Foundations of Adult Education (3)  
605 The Two-Year College (3)  
610 Two-Year College Instruction (3)  
636 Two-Year College Curriculum Development (3)  
650 Program Development and Evaluation (3)  
683 Internship: Two-Year College Administration I (2)  
686 Practicum in Two-Year College Teaching (2)  
693 Topics in Higher Education (1, R3)  
695 Seminar on the Two-Year College (2)  
710 Admin. of Two-Year Colleges (2)  
805 Role of Higher Education in Society (3)  
810 Community College/Higher Educ. Leadership (3)  
820 Community College/Higher Education Politics & Board Relations (3)  
830 Adult Programming in Community College and Higher Education (3)  
840 Community College/Higher Education Finance & Business Operation (3)

Secondary Education and Special Subject Teaching (EDSE)

322 Principles and Methods of Teaching (2)  
Methods, strategies, materials, and techniques of clinical and classroom teaching. PREQ: Admission to the teacher education program.

484 Supervised Internship I (1-3)  
A part-time internship in K-12 schools. Student internship program for secondary and special subject area majors. PREQ: Approved participation in the SUTEP program and placement in Internship I.

485 Internship II (6)  
A full-time internship. COREQ: 495 and ART, ENGL, GER, HIST, MATH, MUS, SCI, or SPAN 491.

486 Field Experience in Teaching (3, R6)  
Supervised experience for a second teaching certification or for an initial certification for individuals who are employed as full-time teachers. 9 hours per week.

490 Supervised Student Teaching (6)  
A full-time teaching experience. COREQ: 495 and ART, ENGL, GER, HIST, MATH, MUS, SCI, or SPAN 491.

495 Seminar (3)  
Theory related to practice during student teaching or internship. COREQ: 490 and ART, ENGL, GER, HIST, MATH, MUS, SCI, or SPAN 491.

DEPARTMENT OF HEALTH AND HUMAN PERFORMANCE
David Claxton, head


MAJOR IN PHYSICAL EDUCATION, B.S.ED. DEGREE

Liberal Studies, 42 hours

The major requires 40 hours as follows:
HEAL 250 First Aid and Safety Education, 2 hours
PE 255 Fitness, Wellness and Conditioning Theory and Practice, 2 hours
PE 256 Pedagogical Aspects of Physical Education, 2 hours
PE 264 Skill Acquisition, 1 hour
PE 311 Measurement and Evaluation, 3 hours
PE 312 Foundations in Health and Physical Education, 3 hours
PE 335 Anatomy and Physiology, 3 hours
PE 345 Physical Education for Children, 3 hours
PE 346 Rhythmic Fundamentals, 2 hours
PE 353 Methods and Teaching Analysis of Team Sports, 3 hours
PE 354 Methods and Teaching Analysis of Dual and Individual Sports, 3 hours
PE 405 Adventure Education, 1 hour
PE 423 Kinesiology, 3 hours
PE 424 Physical Education for the Exceptional Child, 3 hours
PE 425 Exercise Physiology, 3 hours
PE 435 Motor Behavior, 3 hours

In order to complete the program, the following are also required:

A second academic concentration of 18 hours is required for all physical education majors.

All physical education majors are required to complete 26 hours in the professional education sequence of courses. These courses may be taken only when all criteria for continuation in the Teacher Education program have been met, with the exception of EDCI 231 and PSY 320 or 322. The following courses are in the professional education sequence for the physical education major:

EDCI 231, PSY 320 or PSY 322, PSY 321, PE 325, PE 488, PE 489, PE 496.

A grade of C or better is required in all major classes including PE 325, PE 488, PE 489, and PE 496, which are also courses in the professional education sequence.

All majors are required to demonstrate a level of professional involvement in physical education, fitness and sport programs or activities. Professional involvement activities in physical education, fitness and sport include a requirement of 50 hours of community service prior to Internship II and may come in a variety of other ways: such as membership and participation in professional organizations, selected service activities, and full semester activities. Examples of professional involvement activities include, but are not limited to, intramural participant or coach, active participation in a varsity sport (including cheerleading, athletic training or managing), membership in the Physical Education Majors Club, various certifications, coaching or officiating, or employment in a field related to physical education, fitness and/or sport. Documentation of such activities is required. A professional involvement point system will be made available upon declaration of the major. Points will be awarded at the discretion of physical education faculty advisers.

Minor in Physical Education
The minor requires 21 hours, including HEAL 250, PE 255, 256, 312, 345, 353, 435, and SM 415. The minor is not open to physical education majors.

Minor in Coaching
The minor requires 20 hours, including HEAL 250, PE 213, 313, 335, SM 415, and two courses selected from PE 410, 411, and 418. The minor is not open to physical education majors.
CURRICULUM GUIDE FOR PHYSICAL EDUCATION, B.S.ED. DEGREE

FRESHMAN YEAR

FALL SEMESTER
Course and Number  Hrs.  SPRING SEMESTER  Course and Number  Hrs.
C1 ENGL 101 Composition I  3  C1 ENGL 102 Composition II  3
C2 MATH 101 Math. Concepts  3  C3 CMHC 201 Communication  3
C4 HEAL 123 Health & Wellness  3  C5 Physical & Biological Sciences  3
190 series First Year Seminar  3  *P1 Social Sciences  3
*P1 Social Sciences  3  *P3 History  3
*P4 Humanities  3  18

*One perspectives course must be a 300-400 level course

SOPHOMORE YEAR

Begin application to Teacher Education and declare Major and SAC during Fall semester.

FALL SEMESTER
Course and Number  Hrs.  SPRING SEMESTER
C5 Physical & Biological Sciences  3  PE 255 Theory/ Practice of Fitness & Wellness  2
*P5 Fine & Performing Arts  3  PE 256 Pedago. Aspects of Phys. Ed.  2
HEAL 250 First Aid & Safety Ed.  2  PE 353 Method/Analysis of Team Sports  3
PE 312 Foundations of Health & Phys. Ed.  3  PE 423 Kinesiology  3
PE 335 Anatomy & Physiology  3  Second Academic Concentration  3
EDCI 231 Foundations of Educ.  3  Second Academic Concentration  3

17

*One perspectives course must be a 300-400 level course

JUNIOR YEAR

Must be fully admitted to Teacher Education by Spring Semester.

FALL SEMESTER
Course and Number  Hrs.  SPRING SEMESTER  Course and Number  Hrs.
*P6 World Cultures  3  PE 311 Measurement & Evaluation  3
PE 264 Skill Acquisition  1  PE 424 PE for the Exceptional Child  3
PE 345 Physical Educ. for Children  3  PE 435 Motor Behavior  3
PE 346 Rhythmic Fundamentals  2  Second Academic Concentration  3
PE 354 Meth/Anal of Dual/Ind Spts.  3  Second Academic Concentration  3
PE 425 Physiology of Exercise  3  Second Academic Concentration  3
PSY 320 Child & Adolescent Psy.  3  18

*One perspectives course must be a 300-400 level course

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

Begin Internship in Physical Education.

FALL SEMESTER

<table>
<thead>
<tr>
<th>Course and Number</th>
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<tr>
<td>PE 488 Internship I (high school)</td>
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<tr>
<td>PE 325 Curriculum &amp; Methods</td>
<td>3</td>
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<tr>
<td>PE 405 Adventure Education</td>
<td>1</td>
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<tr>
<td>PSY 321 Educational Psychology</td>
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<tr>
<td>Second Academic Concentration</td>
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SPRING SEMESTER

<table>
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<tr>
<td>PE 489 Internship II (elem/middle school)</td>
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<tr>
<td>PE 496 Internship Seminar</td>
<td>3</td>
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</tbody>
</table>

Total Hours for Degree: 126

Course Descriptions

Health Education (HEAL)

111 Stress Management for Health and Wellness (3)
This course provides an overview of the physiology of stress, methods to evaluate stress levels, and stress management techniques that improve health and wellness. (C4)

120 Personal and Community Health (2)
Philosophy, knowledge, practices of health; coping with problems of living.

123 Health and Wellness (3)
Foundations in health/wellness. Provides students opportunities to improve wellness related skills and knowledge. Includes physical activities that integrate physical fitness into lifelong wellness. (C4)

250 First Aid and Safety Education (2)
Prevention and care of accidents and injuries, including American Red Cross training courses.

305 Current Health Problems (3)
Incidence, diagnosis, treatment, rehabilitation, and prevention of leading community health problems; addictions; individual, family, and community effects; positive mental health as a deterrent.

312 Comprehensive Health Education (3)
Comprehensive health education including a philosophy and strategies for teaching comprehensive health education, and study of selected topics related to personal and community health problems. PREQ: Junior standing.

360 Sexually Transmitted Diseases (2) (Formerly HEAL 260)
Factual information of sexual anatomy and functioning; concepts of sexually transmitted diseases and AIDS; and how decisions, behaviors, and lifestyles may affect our health. 2 Lecture.

Physical Education (PE)

101 Yoga (2)
Adapted yoga postures and breathing; foundations for meditation. 1 Lecture, 2 Lab.

102 Basic Water Safety Skills (1)
Basic water skills; Level III Stroke Readiness; American Red Cross swimming outline. 2 meetings.
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.

107 Synchronized Swimming (1)
Creative patterns and movement with music. PREQ: 103 or equivalent. 2 meetings.

108 Canoeing (1)
PREQ: 103 or equivalent. One 2-hour meeting.

109 Karate (1)
Basics of balance, movement, and flexibility as well as self-defense. 2 meetings.

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.

114 Jogging (1)
Principles and physiological benefits of running and aerobic exercise. 2 meetings.

115 Weight Training (1)
Execution of various lifts; isotonic exercises; related health and safety factors. 2 meetings.

118 Aerobic Dance (1)
A physical fitness program utilizing simple dance routines and exercises. 2 meetings.

122 Beginning Tennis (1)
2 meetings.

123 Beginning Golf (1)
2 meetings.

124 Handball (1)
One-wall and four-wall handball. 2 meetings.

125 Racquetball (1)
One-wall and four-wall racquetball. 2 meetings.

126 Bowling (1)
2 meetings.

130 Lifeguard Training (2)
American Red Cross outline for lifeguarding certificate. 3 meetings.

132 Basketball (1)
2 meetings.

133 Volleyball (1)
2 meetings.

134 Softball (1)
2 meetings.

135 Soccer (1)
2 meetings.

202 Casting (1)
Bait, spin, and fly casting; fundamentals and care of equipment. 2 meetings.

204 Snow Skiing (1)
Meetings as announced.

205 Modern Dance and Choreography (1)
Dance as an art form and a physical activity; elements of composition for expressive, creative, rhythmic movement. 2 meetings.
206  Social, Line, and Folk Dance (1)  
Skills, control, and poise required in social, line, and folk dances. 2 meetings.

207  Fencing (1)  
2 meetings.

228  Adapted Physical Education (1, R3)  
Remedial and therapeutic activities. PREQ: Permission of instructor and recommendation of a physician. 2 meetings.

231  Aquarobics (1)  
Pool-based nonswimming aerobic activity for all ages and fitness levels. 2 meetings.

Major Courses

250  Elementary School Physical Education Curriculum (2)  
Physical education in relation to the total curriculum.

255  Fitness, Wellness and Conditioning Theory and Practice (2)  
This course is designed as practical application of fitness, wellness and conditioning concepts. The student will be actively engaged in planning program design for others.

256  Pedagogical Aspects of Physical Education (2)  
Foundational pedagogy course designed to develop knowledge of effective instruction in physical education. COREQ: 353.

264  Skill Acquisition (1)  
The course emphasizes skill acquisition in tumbling, gymnastics and swimming. 2 meetings.

265  Sports Officiating I, (2)  
Rules, techniques, and mechanics in sports officiating; football, softball, baseball in 265; basketball, volleyball, soccer in 266.

311  Measurement and Evaluation (3)  
Assessment in K-12 health and physical education, including tests of fitness, skill and motor performance, measuring the cognitive and affective domains, and grading procedures.

312  Foundations of Health and Physical Education (3)  
The basic physiological, psychological, and sociological principles and historical foundations.

325  Physical Education Curriculum and Methods (3)  
Class management, teaching methods, and program content for grades K-12. PREQ: Must be admitted to the professional education sequence. COREQ: 488.

335  Anatomy and Physiology (3)  
The study of the structure and function of the human body.

345  Physical Education for Children (3)  
Developmental approach to physical education for the elementary school program. PREQ: 256; COREQ: 346 or permission of instructor.

346  Rhythmic Fundamentals (2)  
A competency based course of methods and materials in rhythmical movement. COREQ: 345 or permission of instructor. 1 Lecture, 1 Lab.

353  Methods and Teaching Analysis of Team Sports (3)  
Methods, materials, and skills used in teaching sports: basketball, soccer, softball, speedball, and volleyball. COREQ: 256. 2 Lecture, 2 Lab.

354  Methods and Teaching Analysis of Dual and Individual Sports (3)  
Methods, materials, and skills used in teaching sports: badminton, golf, racquetball, tennis, and track and field. PREQ: 353. 2 Lecture, 2 Lab.
360 **Skills in Promoting Healthful Living** (1)
A competency-based course of methods and materials in health, first aid/safety, and physical education for the elementary school program. 2 Lecture, 1 Lab.

361 **Physical Education for the Elementary Teacher** (1)
A competency-based course of methods and materials in physical education for the elementary school program. 3 per week for 5 weeks.

380 **Independent Study** (1-3)
A topic in health, physical education, or recreation agreed upon by student and instructor. PREQ: ENGL 102; permission of department head.

383 **Instructional Apprenticeship** (1, R3)
Apprenticeship to develop teaching and leadership skills before student teaching. PREQ: Physical education major; permission of instructor. 3 hours per credit hour.

389 **Cooperative Education in PE and Sports** (1 or 3, R15)
See Cooperative Education Program.

405 **Adventure Education** (1)
Adventure education and wilderness leadership. Use of games, initiative problem-solving activities, trust building activities and challenge or peak experiences in educational settings. PREQ: Permission of instructor. 1 Lecture, 2 Lab.

410 **Coaching Baseball and Football** (3)
History, methods, materials, skills, and strategies of coaching baseball and football. PREQ: Junior-level standing; 2 Lecture, 2 Lab.

411 **Coaching Basketball, Track, and Field** (3)
Methods, materials, skills, and strategies for women's and men's basketball and track and field. PREQ: Junior-level standing; 2 Lecture, 2 Lab.

423 **Kinesiology** (3)
Structure and function of the human muscular system as related to sports and activities. PREQ: PE 335 or BIOL 291 and 292.

424 **Physical Education for the Exceptional Child** (3)
Overview of current concepts and trends in adapted physical education. Topics include: legal rights, disabilities, assessment, planning, and physical activities for exceptional children. PREQ: 256 or permission of instructor. 2 Lecture, 1 Lab.

425 **Exercise Physiology** (3)
The study of the acute and chronic effects of exercise on the human body. PREQ: 335 or ATTR 210.

435 **Motor Behavior** (3)
Analysis of the various theories related to motor learning, including equipment, evaluation techniques, and application in an educational environment. PREQ: 335.

488 **Physical Education Internship I** (2)
A part-time internship in high school physical education. COREQ: 325.

489 **Physical Education Internship II** (9)
A full-time internship in elementary or middle school physical education. COREQ: 496.

493 **Special Topics** (3, R6)
Trends and issues in physical education, sport management, and recreation.

496 **Seminar in Physical Education** (3)
Linking theory to practice during the physical education yearlong seminar. COREQ: 489.
**Graduate Courses**

- 520 Leadership and Administration of Outdoor Pursuits (3)
- 583 Physical Education Advanced Internship (9)
- 596 Seminar in Physical Education (3)
- 615 Legal Issues in Human Performance (3)
- 621 Research in Health and Human Performance (3)
- 625 Motor Learning (3)
- 630 Physical Education Curriculum (3)
- 635 Lifespan Motor Development (3)
- 640 Administration of Physical Education (3)
- 650 Applied Physiology (3)
- 655 Methods and Analysis in Physical Education and Sport Instruction (3)
- 665 Exercise Testing and Prescription (3)
- 675 Issues in Intramurals and Athletics (3)
- 676 Research Techniques in Exercise Physiology (3)
- 694 Special Problems (1-3, R9)
- 699 Thesis (3, R6)
- 779 Continuing Research—Non-Thesis Option (1,R10)
- 799 Continuing Research—Thesis Option (2, R24)

**MAJOR IN PARKS AND RECREATION MANAGEMENT, B.S. DEGREE**

**Liberal Studies, 42 hours**

The major requires 38-40 hours as follows:

- HEAL 250 First Aid and Safety Education, 2 hours or PRM 256 Outdoor First Aid, (w/lab) 4 hours
- PRM 250 Foundations of Parks and Recreation Management, 3 hours
- PRM 254 Introduction to Outdoor Pursuits Education (w/lab), 3 hours
- PRM 270 Leadership and Group Dynamics in Recreation, 3 hours
- PRM 361 Program Planning and Evaluation in Parks and Recreation Management, 4 hours
- PRM 370 Internship Orientation, 1 hour
- PRM 383 Internship in Parks and Recreation Management (mini-internships) (1 credit, repeat 3 times for a total of 3 credits)
- PRM 430 Entrepreneurship and Commercial Recreation, 3 hours
- PRM 433 Outdoor Recreation, 3 hours
- PRM 461 Management and Administration of Parks and Recreation Management Services, 3 hours
- PRM 480 Independent Study, 3 hours
- PRM 483 Internship in Parks and Recreation Management, 3 hours
- PRM 495 Senior Seminar in Parks and Recreation Management, 1 hour
- RTH 350 Recreational Therapy and People with Physical Disabilities, 3 hours

**Concentrations, at least 12 hours selected from the following:**

**Community Recreation:** SM 315, SM 435, PRM/SM 330, PE 264, 265, 266, 410, 411, 418, PRM 420, 440, 434, 435.

**Outdoor Leadership and Instruction:** PRM 313, 314, 321, 420, 425, 426, 434, 486, or RTH 470.

**Commercial and Resort Recreation:** PRM 440, 425, 426, 434, PRM/SM 330, HT 130, 335, 336, ACCT 161, BA 133, MGT 300, 401.

**Recreation Resource Management (12 hours).** An approved area of study tailored to suit specific land agencies such as the National Park Service, Forest Service, Bureau of Land Management, state parks, and Army Corp of Engineers.

General electives, 26-28 hours, are required to complete the program.

**Admission criteria:**

All requirements for admission to Parks and Recreation Management (PRM) must be met by the beginning of the semester following the semester in which the student submitted the application. The following are requirements for admission:
1. complete an essay after reviewing current PRM journals on reasons for becoming a PRM major;

2. complete a personal strategic plan with an adviser in which the plan should include involvement in professional activities as well as academic expectations;

3. earn (and maintain) a minimum cumulative GPA of 2.5 on hours attempted at WCU.

**Minor in Parks and Recreation Management**
The minor requires 19 hours, including PRM 150, 250, 270, and 12 hours of approved electives.

**CURRICULUM GUIDE FOR PARKS AND RECREATION MANAGEMENT, B.S. DEGREE**

**FRESHMAN YEAR**

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
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<th>SPRING SEMESTER</th>
<th>Course and Number</th>
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<tr>
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<td>MATH 101 Math Concepts</td>
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<td>P1 Social Sciences</td>
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<td>P1 Social Sciences</td>
<td>3</td>
<td>CMHC 201 Intro to Speech Comm</td>
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<td>HEAL 123 Health &amp; Wellness</td>
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<td>ENGL 102 Composition II</td>
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<td>P3 History</td>
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<td>JS 101 Jumpstart</td>
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**SOPHOMORE YEAR**

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<td>C5 Physical &amp; Biological Sciences</td>
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<tr>
<td>PRM 254 Intro to Out Pur Educ</td>
<td>3</td>
<td>PRM 270 Lead &amp; Group Dyn in Rec</td>
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<tr>
<td>P5 Fine and Performing Arts</td>
<td>3</td>
<td>P6 World Cultures</td>
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<tr>
<td>PRM 250 Found of PRM</td>
<td>3</td>
<td>PRM 430 Entre &amp; Comm Rec</td>
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<tr>
<td>RTH 350 Rec. Ther &amp; People with Physical Disabilities</td>
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<td>PRM 383 Internship in PRM</td>
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**JUNIOR YEAR**

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<td>PRM 433 Outdoor Recreation</td>
<td>3</td>
<td>PRM 461 Mgt. &amp; Adm. of PRM Serv</td>
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<td>PRM 256 Outdoor First Aid</td>
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<td>Guided elective</td>
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<td>PRM 383 Internship in PRM</td>
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<td>Guided elective</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.
## SENIOR YEAR

### FALL SEMESTER

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<td>PRM Concentration</td>
<td>3</td>
<td>PRM 495 Senior Seminar in PRM</td>
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**Total Hours for Degree: 120**

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

### SPRING SEMESTER

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<td>PRM 370 Internship Orientation</td>
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<td>PRM 383 Internship in PRM</td>
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<td>Guided elective</td>
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<tr>
<td>PRM Concentration</td>
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</table>

**SUMMER SCHOOL**

### SESSION I

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<tr>
<td>PRM 480 Independent Study</td>
<td>3</td>
<td>PRM 483 Internship in PRM</td>
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</tr>
</tbody>
</table>

**Total Hours for Degree: 120**

## Course Descriptions

### Parks and Recreation Management (PRM)

#### 250 Foundations of Parks and Recreation Management (3)
Concepts, philosophical orientations, and aspects of recreation, play, and leisure; the organization of leisure and recreation as a service and profession.

#### 254 Introduction to Outdoor Pursuits Education (3)
Instructional techniques for outdoor pursuits. Back country characteristics are reviewed in terms of hazards, use ethics, and safety. 2 Lecture, 2 Lab.

#### 256 Outdoor First Aid (4)
Training for outdoor professionals to administer comprehensive first aid in remote areas; possible certification through the National Ski Patrol for Winter Emergency Care and CPR. 2 Lecture, 2 Lab.

#### 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.

#### 352 Beginner/Intermediate Canoe and Kayak (3)
Water-based outdoor pursuits instruction in canoeing, kayaking and basic rescue techniques.
360 Recreation Research (3)
An analysis of the principle methods of recreation research, the application of descriptive and inferential statistics to recreation research, and the development of a research proposal.

361 Program Planning and Evaluation in Parks and Recreation Management (4)
Designed to equip students with a variety of program planning methodologies, including proposal and grant writing. Evaluative research methods are also included. 3 Lecture, 2 Lab.

370 Internship Orientation (1)
Orientation to the internship; preparation of personnel records; applications, resumes, and agency contracts. Preparation for entry into the profession: interview and application techniques. PREQ: 361 or permission of instructor. 2 Lab.

383 Internship in Parks and Recreation Management (1-3, R3)
S/U grading. Minimum of 3 hours per credit hour.

389 Cooperative Education in PRM (1 or 3, R15)
See Cooperative Education Program.

420 Administration and Leadership of Outdoor Pursuits (3)
Implementation of outdoor pursuits programs; includes planning and leadership components, outdoor adventure-based administrative techniques, and risk management. 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.

427 Wilderness Education (3-6)
An expedition style course, leader decision-making is taught through backpacking, mountaineering and canoeing. National certification is possible through the Wilderness Education Association. Eight or sixteen day expedition.

430 Entrepreneurship and Commercial Recreation (3)
Analysis of types of commercial and private recreation enterprises, probable trends and directions, requirements and procedures for planning and organizing commercial recreation services.

433 Outdoor Recreation (3)
An overview of the professional aspects of outdoor recreation, including classification systems, policies of management agencies, and the perspectives of individuals, non-profit and commercial groups.

434 High Adventure Travel and Outfitting (3)
Practical experience in creation, planning, logistics, execution, and evaluation of adventure travel. Overview of history, development, organization, impacts and trends. 2 Lecture, 2 Lab.

435 Park and Recreation Sites, Facilities, and Programs (1-6, R6)
Planned tour to study specific types of parks and recreation sites, facilities, and/or programs related to current issues and practices. 1 Lecture or 2 Lab per credit hour.

440 Travel and Tourism (3)
Exploration of recreation-based tourism; national and international; demographics, economic, cultural, and environmental impacts; trends and research. 2 Lecture, 2 Lab.
461 Management and Administration of PRM Services (3)
Management, organization, and supervision in recreation and leisure service administration. Includes entre/intrapreneurship, planning processes, marketing, fiscal strategies, human services, evaluation, and research. PREQ: 250 or permission of instructor.

480 Independent Study (1-3, R6)
PREQ: Permission of program coordinator.

483 Internship in Parks and Recreation Management (3, 3, 3)
484 Placement in a cooperating agency to relate classroom learning to practice. S/U 485 grading. 9 hours per week per course.

486 Field Experience (1-12)
Field experience in cooperation with existing programs such as North Carolina Outward Bound School and Nantahala Outdoor Center. PREQ: Permission of program coordinator. 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)
593 Topics in Parks and Recreation Management (1-3, R6)

MAJOR IN RECREATIONAL THERAPY, B.S. DEGREE

Liberal Studies, 42 hours

The major requires 73 hours as follows:
BIOL 291 Human Anatomy and Physiology, 4 hours
BIOL 292 Human Anatomy and Physiology, 4 hours
COUN 325 Survey of Human Development, 3 hours
COUN 430 Individual and Group Counseling, 3 hours
RTH 200 Foundations of Recreational Therapy, 3 hours
RTH 350 Recreational Therapy and Persons with Physical Disabilities, 3 hours
RTH 352 Recreational Therapy Processes and Techniques, 3 hours
RTH 360 Recreational Therapy Services for the Elderly, 3 hours
RTH 395 Pre-Internship Seminar, 1 hour
RTH 417 Administration of Recreational Therapy Services, 3 hours
RTH 450 Advanced Methods in Recreational Therapy, 3 hours
RTH 470 Adventure-Based Recreational Therapy, 3 hours
RTH 484 Recreational Therapy Clinical Internship, 6 hours
RTH 485 Recreational Therapy Clinical Internship, 6 hours
PRM 270 Leadership and Group Dynamics in Recreation, 3 hours
PSY 150 General Psychology, 3 hours
PSY 470 Abnormal Psychology, 3 hours
HSCC 220 Medical Terminology, 3 hours
HSCC 330 Legal and Legislative Aspects of Health Care, 3 hours
HSCC 370 Introduction to Pharmacology, 2 hours
HEAL 250 First Aid and Safety Education, 2 hours
ENGL 401 Writing for Careers, 3 hours
PE 423 Kinesiology, 3 hours

General electives (14 hours) are required to complete the program.
### CURRICULUM GUIDE FOR RECREATIONAL THERAPY, B.S. DEGREE

#### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>SPRING SEMESTER</th>
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<tbody>
<tr>
<td>Course and Number</td>
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</tr>
<tr>
<td>ENGL 101 Composition I</td>
<td>ENGL 102 Composition II</td>
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<tr>
<td>MATH 101 Mathematical Concepts</td>
<td>CMHC 201 Communication</td>
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<tr>
<td>P1 Social Sciences</td>
<td>P1 Social Sciences</td>
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<tr>
<td>HEAL 123 Wellness</td>
<td>P3 History</td>
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<td>190 series First Year Seminar</td>
<td>*C5 Physical &amp; Biological Sciences</td>
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<td>JS 101 Jumpstart</td>
<td>P6 World Cultures</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>Total</strong></td>
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*Do not take Biology to fulfill this requirement*

#### SOPHOMORE YEAR

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<th>SPRING SEMESTER</th>
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<tr>
<td>BIOL 291 Human Anatomy &amp; Physiology</td>
<td>BIOL 292 Human Anatomy &amp; Physiology</td>
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<td>P5 Fine &amp; Performing Arts</td>
<td>HSCC 220 Medical Terminology</td>
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<td>P4 Humanities</td>
<td>PRM 270 Leadership &amp; Group Dynamics in Recreation</td>
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<td>RTH 200 Found. of Recr. Ther.</td>
<td>RTH 352 Rec Therapy Proc. &amp; Tech.</td>
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<td>PSY 150 General Psychology</td>
<td>HEAL 250 First Aid &amp; Safety Educ.</td>
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#### JUNIOR YEAR

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<tr>
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<tr>
<td>RTH 395 Internship Seminar</td>
<td>RTH 360 Rec Ther. for Older Adults</td>
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<td>RTH 350 Rec. Therapy &amp; People with Disabilities</td>
<td>RTH 470 Adventure-Based Rec. Ther.</td>
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<td>COUN 325 Survey of Human Dev.</td>
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<td>HSCC 370 Introduction to Pharma.</td>
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#### SENIOR YEAR

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<td>RTH 484 Field Intern. in Rec Ther.</td>
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<td>RTH 450 Advanced Methods in Recreational Therapy</td>
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<td>PE 423 Kinesiology</td>
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</table>
Students may finish earlier if they attend summer school at WCU or another approved institution.

Course Descriptions

Recreational Therapy (RTH)

101 T’ai Chi Ch’uan (1, R3)
First circle of Yang Family Long Form, T’ai Chi Ch’uan. The gentle art of moving meditation. 2 meetings.

200 Foundations of Recreational Therapy (3)
An investigation into the prescribed use of recreational activity as a clinical treatment modality for persons whose functional abilities are impaired.

300 Health and Healing - The Spirit-mind-body connection (3)
A comparative overview of healthcare practices drawn from wellness paradigms of selected traditional and non-traditional belief systems. (P1)

350 Recreational Therapy and People with Physical Disabilities (3)
Addressing physical and psychological needs of individuals with physical disabilities through recreational therapy service in clinical and community settings.

352 Recreational Therapy Processes and Techniques (3)
Assessment, planning, implementation, and evaluation strategies attendant to recreational therapy service delivery.

360 Recreational Therapy Services for Older Adults (3)
Addressing the physical, psychological, and social needs of the elderly through recreational therapy.

389 Cooperative Education in Recreational Therapy (1 or 3, R15)
See Cooperative Education Program.

395 Pre-Internship Seminar (1)
Overview of NCTRC standards for professional certification, personal communication skills, practicum documentation requirements, internship site selection, and bloodborne pathogen training.

396 Special Topics (1-3)

417 Administration of Recreational Therapy Services (3)
Contemporary recreational therapy program organizational principles and administrative issues.

450 Advanced Methods in Recreational Therapy (3)
Theoretical and practical examination of contemporary implementation procedures used in recreational therapy practice. Field trips required.

470 Adventure-Based Recreational Therapy (3)
A theoretical and practical investigation of structured outdoor experiences as vehicles for facilitating human growth and development. Field trips required.

481 Independent Study (1-3, R6)

484 Recreational Therapy Clinical Internship (6, 6)
Experience designed to integrate theory with practice; observation, fieldwork, and planning in a setting related to student’s area of interest. PREQ: RTH major and permission of curriculum coordinator. 3 hours per credit hour.
MAJOR IN SPORT MANAGEMENT, B.S. DEGREE

Liberal Studies, 42 hours

The major requires 72-75 hours as follows:

Core courses, 54 hours

ACCT 161 Accounting for the Non-Business Major, 3 hours or ACCT 251 Accounting Principles I—Financial, 3 hours
CIS 110 Introduction to Computer Information Systems, 3 hours or CS 130 Introduction to Computing, 3 hours
ECON 231 Introductory Microeconomics and Social Issues, 3 hours
MGT 301 Principles of Marketing, 3 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 445 Sport Administration, 3 hours
SM 460 Financial Aspects of Sport, 3 hours
SM 461 Sport Marketing, 3 hours
SM 484, 485 Internship in Sport Management, 12 hours
SM 495 Sport Management Seminar, 2 hours

Concentrations (18-21 hours) selected from:

Athletic Administration*: CMPR 360; LAW 315; SM 315; Select three from MKT 302, 304, 306, 405, 407, 409 and 410.


Exercise Science and Fitness Management: CHEM 132, 133; ND 330; PE 423, 425; PE 335 or BIOL 291 or BIOL 292.

Professional Sport Management: CMPR 360; LAW 230 or 315; MGT 302; Select three from MKT 302, 304, 306, 405, 407, and 409.

Sales: ACCT 251 or 252; LAW 230; MGT 401; Select three from MKT 302, 304, 306, 407, 409 and 410.

Sports Information: CMCR 140, 301; CMPM 303, 304, 305; CMPR 360.

General electives (3-6 hours), including appropriate credits at the junior-senior level, are required to complete the program.

Students with majors outside the College of Business are prohibited from taking more than 25 percent of the hours required for their degree from College of Business courses.

Admission Criteria:

All requirements for admission to Sport Management (SM) must be met by the semester in which the student submitted the application. The following are requirements for admission:

1. Earn and maintain a minimum cumulative GPA of 2.5 on hours attempted at WCU.

2. All students must have a 2.5 GPA to be eligible to take any 400 level SM prefix course.

Students who have not met the requirement for admission into the Sport Management major (2.5 GPA on hours completed at WCU) may register as pre-majors in Sport Management. Pre-majors will be advised in the Advising Office, and will bring their course schedules to a Sport
Management advisor to receive their Registration Access Number (RAN). Students who have not achieved a 2.5 GPA by the time they have completed 60 hours should not remain as pre-majors in Sport Management, but should select another major.

Requirements for Graduation in Sport Management

- 2.5 WCU Grade Point Average (required for admission to internship and for graduation)
- 120 semester hours
- All other WCU requirements
*If a student intends to select an internship in coaching, a coaching minor is required.

CURRICULUM GUIDE FOR SPORT MANAGEMENT, B.S. DEGREE

FRESHMAN YEAR

<table>
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<tr>
<th>FALL SEMESTER</th>
<th>Hrs.</th>
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SOPHOMORE YEAR

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<td>ECON 231 Micro-economics</td>
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<td>SM260 Intro to Sport Mgmt</td>
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<td>SM313 Psych. Aspects of Sport</td>
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<td>SM383 Apprenticeship</td>
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JUNIOR YEAR

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<td>MGT 304 Human Resource Mgt.</td>
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<td>MGT 300 Intro to Management</td>
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<td>SM 460 Financial Aspects of Sport</td>
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<tr>
<td>SM 423 Sociology of Sport</td>
<td>3</td>
<td>SM415 Legal Issues</td>
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<tr>
<td>SM435 Event &amp; Facility Mgt &amp; Mkt</td>
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<td>Concentration</td>
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<td>P4 Jr- Sr Humanities</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.
SENIOR YEAR

FALL SEMESTER
Course and Number          Course and Number          Hrs.
SM495 Senior Seminar       SM 484 Internship          2       6
SM461 Sport Marketing      SM485 Internship          3       6
Concentration              5-6                                14-15
Electives                  4

SPRING SEMESTER

Total Hours for Degree: 125

Note: At least 32 hours taken at WCU must be at the junior-senior level

Must have and maintain a 2.5 GPA to be accepted into program, do internship, and graduate.

All students must have a 2.5 GPA to be eligible to take any 400 level SM prefix course.

Must complete all SM prefix courses before doing internship.

Must have 56 hours before taking 300/400 level Marketing or Management courses.

For many concentrations a minor is strongly recommended.

Many students will take an extra semester to intern during the summer months. This allows students to spread coursework out an extra semester.

Semester advising sessions are strongly recommended due to the many concentrations and unique goals and objectives of individual students.

A cookbook approach to course selection is very difficult and the above is only one example of how a student could graduate in 8 semesters. This example should not be used as a template for advising.

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

Course Descriptions

Sport Management (SM)

213 Care and Prevention of Athletic Injuries (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.

415 Legal Issues for the Sport Practitioner (3)
Study of legal issues related to sport delivery systems, physical education, and recreation settings. Legal terminology, risk management, case law, and current issues are analyzed. PREQ: Senior standing or permission of instructor; SM 260 for SM majors.

423 (SOC 423) Sociology of Sport (3)
Social issues in sport examined from historical, cross-cultural, and sociological perspectives with attention to impact of race, gender, and social class on participation. PREQ: Junior standing; SM 260 for SM majors.

435 Event and Facility Management and Marketing (3)
Study of current trends and the management and marketing of sporting events and sport facilities. Basic terminology and building designs of sport facilities are also discussed. PREQ: Junior standing.

445 Sport Administration (3)
Current issues in sport administration.

460 Financial Aspects of Sport (3)
Financial considerations important to sport; budgeting, fundraising, and economic impact of sport events; historical aspects. PREQ: SM 260 for SM majors only; ACCT 161 or 251; MKT 301; ECON 231; and junior standing.

461 Sport Marketing (3)
Historical study of sport marketing; techniques in developing sport sponsorship proposals and effective sport promotions; sport marketing applications. PREQ: SM 260 for sport management majors; junior standing; MKT 301.

484 Internship in Sport Management (6, 6)
485 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.

DEPARTMENT OF HUMAN SERVICES
Lisa Bloom, acting head

MAJOR IN SPECIAL EDUCATION, GENERAL, B.S.ED. DEGREE
Students who complete this major are eligible for North Carolina teaching licensure in Special Education: General Curriculum
Liberal Studies, 42 hours
Special education major, 44 hours as follows:
SPED 240 The Exceptional Child, 3 hours
SPED 310 Evaluation of the Exceptional Child, 3 hours
SPED 312 Teaching Elementary Students with Learning Problems, 3 hours
SPED 335 Teaching Exceptional Children, 2 hours
SPED 401 Introduction to Learning Disabilities, 3 hours
SPED 405 Introduction to Mental Retardation, 3 hours
SPED 407 Introduction to Behavior Disorders, 3 hours
SPED 413 Teaching Adolescents with Learning Problems, 3 hours
SPED 417 Managing Classrooms for Exceptional Children, 3 hours
SPED 423 Teaching Reading to Individuals with Mild to Moderate Disabilities, 3 hours
SPED 484 Special Education Internship I, 3 hours
EDEL 318 Elementary/Middle Grades Mathematics, 3 hours
EDRD 474 Practicum in Teaching Reading, 3 hours
Guided electives, 6 hours

Concentration in one of the following (18 hours): Adaptive Curriculum, Elementary Education, Middle Grades Language Arts, Middle Grades Mathematics.

Concentration Options:
Elementary Education (18 hours)
EDEL 303, 315, 316 or 317, 319, EDRD 334, EDEL 466

Middle Grades Math (18 hours)
EDMG 310, MATH 230, 231, 311, and 170, EDEL 319

Middle Grades Language Arts (18 hours)
EDMG 310, ENGL 312, 416, EDRD 443, EDRD 444, EDEL 466

Adaptive Concentration (18 hours)
EDRD 334, 443, SPED 241, SPED 311, SPED 344, SPED 414

The professional education sequence (21 hours), 3 hours of general electives, 50 hours of service learning and the development of a portfolio are required to complete the program. Special education majors are required to maintain a 2.5 in the major and to earn a “C” or better in all courses required in the major. If a student earns a grade below a “C” in a required course or a student’s grade point average in the major falls below 2.5, the student will not be permitted to enroll in SPED 312, SPED 417, SPED 413, SPED 423 or SPED 484.

Minor in Special Education
The minor in special education requires 18 hours, including SPED 240, 310, 401, 405, and 6 hours of guided electives.

CURRICULUM GUIDE FOR SPECIAL EDUCATION, B.S.ED. DEGREE
FRESHMAN YEAR

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<td>HEAL or HSCC 123/101 Wellness</td>
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Obtain Service Learning Information
### SOPHOMORE YEAR

#### FALL SEMESTER

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<td>P4 Humanities</td>
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#### SPRING SEMESTER

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<td>*EDCI231 HSP Foundations in Educ.</td>
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<td>SPED 405 Intro to Mental Retardation</td>
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<td>SPED 407 Intro. to Behavioral Disorder</td>
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Declare Concentrations

### JUNIOR YEAR

#### FALL SEMESTER

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<td>** SPED 312 Teaching Children w/ Learning Problems, K-6</td>
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<td>**PSY 320 Child and Adoles. Dev.</td>
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<tr>
<td>SPED 401 Intro to Learning Dis.</td>
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#### SPRING SEMESTER

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<tr>
<td>***SPED 413 Teaching Adolescents w/ Learning Problems</td>
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<td>**SPED 417 Managing Classrooms for Exceptional Children</td>
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<tr>
<td>**SPED 423 Teaching Reading to Individuals with Mild/Moderate Dis.</td>
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<tr>
<td>*** EDRD 474 Practicum in Teaching Reading</td>
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Admitted to Professional Ed. Sequence

Confirm 2.5 in Major

#### SENIOR YEAR

#### FALL SEMESTER

<table>
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<th>Course and Number</th>
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<td>**PSY 321 Educational Psychology</td>
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<td>** SPED 335 Teaching Exceptional Children</td>
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<td>**SPED 484 Internship I/Practicum</td>
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#### SPRING SEMESTER

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<td>**SPED 490 Internship II/Student Teaching</td>
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<td>**SPED 495 Seminar</td>
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After earning ninety hours, the student must file an application form with the Dean after paying a $30 graduation fee to the University Cashier.
Total Hours for Degree: 128
Confirm 2.5 in major
Apply for Student Teaching
Apply to take PRAXIS II
Complete Service Learning Requirement
Apply for Graduation

Confirm 2.5 in major
Turn in Teaching Portfolios
• Undergraduate Portfolio
• Teacher Work Sample Portfolio
• Technology Portfolio
Complete the PRAXIS II

* Prerequisite to Professional Education Sequence (PES).
** Professional Education Sequence (PES) courses.
***SPED 312 must be taken first

NOTE: A majority of the special education courses have some level of field experience that requires additional time beyond class meetings and assignments. Please consider time for field experiences when planning your schedule.

NOTE: Each semester’s Schedule of Classes provides a list of courses acceptable under each Liberal Studies category.

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

Course Descriptions

Special Education (SPED)

200 Survey of Exceptionalities (3)
Historical, philosophical, and legal basis of special education; characteristics and related educational needs of children with disabilities; models of delivery of services and trends in special education for children birth to five years old. PREQ: BK 260 and admission to professional education sequence.

240 The Exceptional Child (3)
Areas and characteristics of exceptionalities; problems in learning and personal-social adjustment of exceptional children; educational alternatives.

241 Introduction to Severe Disabilities (3)
Definition of severe disabilities, issues people with severe disabilities face, and the issues relevant to the education of learners with severe disabilities. PREQ: 240.

310 Evaluation of the Exceptional Child (3)
Development of assessment programs and evaluation procedures; practice administering and interpreting tests.

311 Positive Behavioral Supports for Students with Severe Disabilities (3)
Positive behavioral supports, functional behavioral assessments and positive behavioral support plans for students with severe disabilities. PREQ: 240 and 241.

312 Teaching Elementary Students with Learning Problems (K-6) (3)
Methods and materials for evaluating and instructing children with mild to moderate learning problems. PREQ: 240, admission to the professional education sequence.

313 Assessment of the Young Child (3)
Assessment activities including screening, diagnostic assessment, and educational assessment for young children, with emphasis on connecting observation, assessment, planning, and evaluation. PREQ: 240. 2 Lecture, 3 Lab.

335 Teaching Exceptional Children (2)
Overview of exceptional children; emphasis on methods and materials for integrating students into regular classrooms. Field experience required. PREQ: Admission to the teacher education program or permission of department head.
336 Teaching Exceptional Children and Youth (3)
Overview of exceptional children; emphasis on methods and materials for integrating students into general classrooms at the middle and secondary level. Field experience required. PREQ: Admission to the teacher education program or permission of department head.

344 Assistive Technology for Severe Disabilities (3)
Use of assistive technology such as augmentative and alternative communication devices, and devices to support the health and medical needs of people with severe disabilities. PREQ: 240 and 241.

345 Adaptations and Modifications for Young Children with Disabilities (3)
Methods and materials for supporting young children with disabilities in their naturally occurring environments. PREQ: 240. 2 Lecture, 3 Lab.

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.

407 Introduction to Behavioral Disorders (3)
An introduction to behavioral disorders including characteristics, referral, assessment and placement of individuals with behavioral disorders.

411 Collaborative Planning (3)
Development, implementation, monitoring, and evaluation of care plans (IFSP and IEP); knowledge of state and federal legislation agency services and programs affecting young children with disabilities and their families.

412 Interagency Practicum (3)
Professional roles and functions of early childhood teams, transdisciplinary team process, structures of interagency collaboration, service coordination, and transition. PREQ: 240, admission to teacher education or permission of instructor. 2 Lecture, 3 Lab.

413 Teaching Adolescents with Learning Problems (3)
Survey and evaluation of curricular models, diagnosis, developing instructional strategies, establishing goals and objectives. PREQ: 312, admission to professional-education sequence, senior status.

414 Curriculum and Methods for Students with Severe Disabilities (3)
Functional curriculum development and implementation of effective systematic instructional strategies with learners who have severe disabilities. PREQ: 240 and 241.

417 Managing Classrooms for Exceptional Children (3)
Principles and techniques of classroom and behavior management. PREQ: 240 and admission to the teacher education program.

423 Teaching Reading to Individuals with Mild to Moderate Disabilities (3)
Methods and materials for teaching reading to individuals with mild to moderated disabilities. PREQ: 240 and admission to the professional education sequence.

432 The Physically Handicapped Child (3)
Social, psychological, and medical problems of children with physical disabilities.
467 **Home-Based Intervention (3)**
Methods and materials for providing home-based intervention; working collaboratively with families and other service providers to promote effective service delivery. PREQ: SPED 240; CDFR 363; or permission of instructor. 2 Lecture, 3 Lab.

470 **(BK, EDEL) Early Childhood Curriculum (3)**
Materials, environments, and interactions for two- to five-year olds in all curricular areas, including thinking and social problem-solving for children with and without disabilities. 2 Lecture, 3 Lab.

483 **(BK, EDEL) Internship (5, R20)**
Observing, planning, teaching, and evaluating young children with and without disabilities in a variety of settings. COREQ: BK/EDEL/SPED 496. 5 days/week, full-time.

484 **Special Education Internship I (1-3)**
Three hours per credit hour. PREQ: Written application, permission of instructor and adviser. 3-9 hours field experience.

485 **Field Experience in Teaching (3, R6)**
Supervised experience for a second teaching certificate or for an initial certification for individuals who are employed as full-time teachers. 9 hours per week.

490 **Supervised Student Teaching (9)**
A full-time teaching experience. COREQ: 495.

495 **Special Education Seminar (3)**
Working with parents, teachers, students, and others in a helping consultative relationship; skills for effective participation on interdisciplinary teams. PREQ: 240 and admission to the teacher education program. COREQ: 490.

496 **(BK, EDEL) Internship Seminar (1, R4)**
The interrelationships of theory and practice in the context of experience. COREQ: BK 483.

**Graduate Courses**

- 501 Introduction to Learning Disabilities (3)
- 502 Current Issues in Special Education (3)
- 504 Educational Programs for Students with Behavioral Disorders (3)
- 505 Teaching Students with Learning Disabilities (3)
- 528 Programs and Services for Individuals with Severe/Profound Disabilities (3)
- 529 Educational Programs for Students with Mental Retardation (3)
- 530 Teaching Individuals with Moderate to Severe Disabilities (3)
- 531 The Physically Handicapped Child (3)
- 532 Methods for Teaching Students with Severe/Profound Disabilities (3)
- 533 Collaboration with Families and Professionals (3)
- 555 Creating Positive Classrooms for Students with Disabilities (3)
- 566 Approaches and Practices for Teaching Students with Disabilities (3)
- 567 Reading, Writing, and Mathematics Curriculum for Students with Disabilities (3)
- 593 Topics in Special Education (1-3, R6)
- 600 Creative Thinking and Problem Solving (3)
- 603 Administration of Special Education Programs (3)
- 620 Education in a Diverse Society (3)
- 630 Teaching Students with Mild to Moderate Mental Retardation (3)
- 631 Appraisal of Exceptional Children (3)
- 681 Seminar in Learning Disabilities (3)
- 682 Research in Special Education (3)
- 684 Teaching Students with Behavioral Disorders (3)
- 687 Practicum in Special Education (1-3, R9)
- 688 Practicum in Special Education (1-3, R3)
- 779 Continuing Research—Non-Thesis Option (1, R10)

**MAJOR IN COMMUNICATION SCIENCES AND DISORDERS, B.S. DEGREE**

This is a preprofessional program. Licensure and certification by the State of North Carolina and the American Speech-Language-Hearing Association require successful completion of a master’s degree.
Liberal Studies, 42 hours

The major requires 36 hours as follows:

SPED 240 The Exceptional Child, 3 hours
CSD 270 Introduction to Communication Disorders, 3 hours
CSD 301 Speech and Language Development, 3 hours
CSD 370 Phonetics, 3 hours
CSD 372 Acoustics and Speech Science, 3 hours
CSD 380 Anatomy and Physiology of the Speech Mechanism, 3 hours
CSD 450 Introduction to Audiology, 3 hours
CSD 470 Speech-Language Disorders in Adults, 3 hours
CSD 472 Aural Rehabilitation, 3 hours
CSD 477 Speech-Language Disorders in Children, 3 hours
CSD 478 Fluency and Voice Disorders, 3 hours
CSD 479 The Clinical Process, 3 hours

Concentration, 24 hours

The professional education sequence requires PSY 320 and PSY 321, 6 hours.

General electives include 20 hours.

CURRICULUM GUIDE FOR COMMUNICATION SCIENCES AND DISORDERS, B.S. DEGREE

FRESHMAN YEAR

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Make sure one of the Liberal Studies Perspectives 300-400 level.

SOPHOMORE YEAR

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

### SENIOR YEAR

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Total Hours for Degree: **128**

This is a preprofessional program designed to prepare the student for graduate school in CD. In addition to the major courses, the student is required to take 42 hours in Liberal Studies, 24 hours in a Concentration, Psy 320 and 321 and 20 hours in general electives.

### Course Descriptions

**Communication Sciences and Disorders (CSD)**

**270 Introduction to Communication Disorders (3)**
Overview of speech-language-hearing disorders in children and adults.

**301 Speech and Language Development (3)**
Speech and language development in normal children; survey of procedures and tools used to study language development and acquisition. PREQ: 270 or equivalent.

**302 Communication Development and Disorders (3)**
The developmental phases of content, form, and use of language; survey of techniques for use with language-disordered children; designed for nonmajors.

**370 Phonetics (3)**
Study of sound feature production; phonetic transcription. PREQ: 270 or equivalent.

**372 Acoustics and Speech Science (3)**
Principles and concepts in speech production and perception; techniques for acoustic analysis.

**380 Anatomy and Physiology of the Speech Mechanism (3)**
Study of the anatomic structures involved in speech and their function in the speech process. PREQ: 270, 370, or equivalent.

**450 Introduction to Audiology (3)**
Fundamentals of audiology; the physics of sound and its measurement; aural anatomy, physiology, etiology, and pathology. PREQ: 372 or equivalent.
411 Sign Language I (3)
Beginning sign language skills, receptive and expressive; cultural issues.

451 Sign Language II (3)
Advanced sign language skills, receptive and expressive; cultural issues. PREQ: 451 or equivalent.

470 Speech-Language Disorders in Adults (3)
A survey course of communication and swallowing disorders in adults following brain injury. PREQ: 301, 370, 372, 380, or permission from instructor.

473 Aural Rehabilitation (3)
Acoustic and visual components of speech; amplification and training procedures. PREQ: 301, 370, 372, or permission of instructor.

477 Speech-Language Disorders in Children (3)
Analysis of childhood language and speech disorders; evaluation and implementation of treatment approaches. PREQ: 301, 370, 372, 380.

478 Fluency and Voice Disorders (3)

479 The Clinical Process (3)
Orientation to the roles and responsibilities of clinicians in the practice of speech-language pathology and audiology. PREQ: 301, 370, 372 and 380, or permission of instructor.

494 Topics in Communication Disorders (1-3, R6)
PREQ: Permission of instructor

Graduate Courses
551 Sign Language I (3)
552 Sign Language II (3)
576 Language Disorders in Children (3)
594 Topics in Communication Disorders (1-3, R6)
595 Seminar in School Practice (1-3)
620 Infant Toddler Communication (3)
630 Professional Issues in Communication Sciences and Disorders (3)
640 Voice Disorders (3)
647 Language Disorders (3)
648 Language Disorders - School Age (3)
660 Psychology of the Hearing Impaired (3)
662 Articulation and Phonological Disorders (3)
663 Communication Problems of the Aging (3)
668 Language Disorders—Preschool (3)
670 Fluency Disorders (3)
672 Language Disorders in Adults (3)
673 Neurogenic Speech Disorders (3)
674 Diagnostics (3)
675 Management of Communication Disorders (3)
676 Management of Orofacial Anomalies (3)
677 Dysphagia (3)
678 AAC Assessment and Intervention (3)
681 Independent Study-Master's Project (3)
682 Research in Communication Disorders (3)
683 Clinical Practicum (1-3, R15)
695 Seminar in Articulation and Phonology (1-3, R3)
696 Seminar in Language (1-3)
697 Seminar in Fluency (1-3)
698 Seminar in Voice (1-3, R3)
699 Thesis (3, R6)
779 Continuing Research—Non-Thesis Option (1, R10)
793 Topics in Severe Disabilities I (3)
794 Topics in Severe Disabilities II (3)
799 Continuing Research—Thesis Option (2, R24)

Counseling (COUN)

140 Study Techniques for College (1)
Study techniques and skills, motivation for learning, use of the library, reading improvement laboratory. 1 Lecture, 1 Lab.

141 Student Development and Leadership (1, R3)
The student leadership and development class is designed to promote ethically and morally responsible, fully functioning leaders for resident assistant and orientation leader positions.

142 Peer Education (1)
Current wellness concerns of today’s college students. Translates learning into becoming peer educators and campus leaders through outreach, event planning, and optional participation in C.R.E.W.
150 Career and Major Exploration (1)
Theory and practice of career, major and self-exploration.

230 Introduction to Peer Tutoring (1)
Theory, practice, and procedures in beginning tutoring; includes standards of conduct, communication skills, analytical thinking, professional ethics, and timesheet documentation. PREQ: Obtain permission from appropriate Academic Success Center Director. COREQ: Twenty-five (25) hours of actual tutoring time.

310 Family Systems (3)
Family organization and function, including intimacy, parenting, communication and conflict negotiation, as well as the interaction of family and economics, government, and ethnicity.

325 Survey of Human Development (3)
The life span, prenatal through death; the social, emotional, cognitive, moral, and physical characteristics of each stage.

330 Advanced Leadership and Development for Tutors (1)
Theory, practice, and procedures in advanced peer tutoring; includes characteristics of learning styles, cultural awareness and intercultural communication, self-evaluation and reflection. PREQ: COUN 230; obtain permission from appropriate Academic Success Center Director. COREQ: Twenty-five (25) hours of actual tutoring time.

430 Individual and Group Counseling (3)
Principles and techniques of individual and group counseling, communication techniques, and participation in role playing and group processes.

440 Leadership and Facilitation (3)
Leadership and facilitation within agency and educational settings, workshop program design and implementation.

450 Career Development and Guidance (3)
History of vocational guidance; theories of vocational choice; development of vocational maturity; interests, aptitudes, and other factors in vocational development.

Graduate Courses
600 Individual and Group Helping Skills (3)
601 Professional Orientation (1)
605 The Helping Relationship (3)
610 Family Counseling (3)
615 Multicultural Counseling (3)
617 Substance Abuse Counseling (3)
620 Counseling Children and Adolescents (3)
623 Introduction to Community Counseling (2)
625 Counseling: Developmental Perspectives (3)
630 Theories of Counseling (2)
631 Techniques of Individual Counseling (1)
633 Crisis Intervention Counseling (3)
635 Group Methods in Counseling (3)
640 Measurement and Appraisal in Counseling (3)
645 Consultation and Collaboration (3)
650 Career Development (3)
655 Career Counseling (3)
660 School Counseling Program Development (2)
665 Implementing School Counseling Program (3)
667 The DSM and Effective Treatment Planning in Counseling (3)
670 Research in Counseling (3)
680 Independent Study in Counseling (3)
686 Practicum in Counseling (3)
687 Internship in Counseling (3, R6)
695 Seminar in Counseling (3)
779 Continuing Research—Non-Thesis Option (1, R10)
784 Internship in Counseling (3)

Human Resources (HR)

Graduate Courses
602 Human Resources Research and Evaluation Methods (3)
605 Orientation to Human Resources (3)
610 Human Resource Development (3)
611 E-Learning (3)
612 Instructional Design (3)
615 Organization Development (3)
616 Web Publishing (3)
617 Organization Performance (3)
645 Consultation in Human Resources (3)
660 Career Development/Management Systems (3)
675 Leadership in Human Resources (3)
676 Guided Projects in Organization Performance (3)
677 Advanced Web Publishing (3)
678 Guided Projects in E-Learning (3)
683 Field Experience in Human Resources (3)
693 Selected Topics in Human Resources (3, R6)
698 Seminar in Human Resources (3)
DEPARTMENT OF PSYCHOLOGY

David McCord, head


MAJOR IN PSYCHOLOGY, B.S. DEGREE

Liberal Studies, 42 hours
The major requires 39 hours as follows:

PSY 150 General Psychology, 3 hours
PSY 251 Research Methods I (Statistics), 3 hours
PSY 252 Research Methods II (Experimentation), 3 hours
PSY 455 Systems and Theories in Psychology, 3 hours
PSY 495 Senior Seminar in Psychology, 3 hours

Psychology electives:
Developmental, 3 hours selected from 320, 322, 325, 327
Social, 3 hours selected from 210, 313, 333
Experimental, 3 hours selected from 440, 444, 448
Clinical, 3 hours selected from 363, 430, 441, 470, 474
Other psychology electives, 12 hours

In addition to completing 39 hours of PSY courses, psychology majors must also complete a second major, a minor, or another approved program. Of the 39 required PSY hours, at least 12 must be in junior/senior level courses.

Minor in Life Span Development

The minor requires 24 hours, including PSY 325; 3-6 hours selected from PSY 327, 393; 6-9 hours selected from PSY 331, 333, 426, 470, 474; COUN 450; and 3-6 hours in PSY 482, 483, or approved courses named above.

Minor in Psychology

The minor requires 24 hours, including 150, 251 (or equivalent), 252 (or equivalent), and 15 hours of approved psychology electives.

CURRICULUM GUIDE FOR PSYCHOLOGY, B.S. DEGREE

FRESHMAN YEAR

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### SOPHOMORE YEAR

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

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**Total Hours for Degree: 128**

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

PSY 150, 251, 252, 455, and 495 are required
PSY 251 must precede PSY 252
PSY 252 must precede PSY 495
PSY 455 may be taken junior year
If PSY 150 is used for the P1 liberal studies requirement, 3 additional PSY hours must be taken
Guided electives include 3 hrs. each from Developmental, Social, Experimental, and Clinical categories.

### Course Descriptions

**Psychology (PSY)**

**150 General Psychology (3)**
Introduction to psychology, the scientific study of behavior and mental processes. Includes topics in social, abnormal, health, clinical, developmental, biological, and experimental psychology. (P1)

**190 Freshman Seminar (3)**
Various special topics in psychology designed to encourage an in-depth exploration of ideas and intellectual discussion on specific subjects.
210 Social Psychology (3)
Social influences on individual behavior, feelings, and thoughts; social-psychological approaches to problems of attitudes, conformity, leadership, and other group phenomena. PREQ: 150 or permission of instructor.

251 Research Methods I: Statistics (3)
Statistical description and inference; central tendency and variability; correlational measure; parametric and nonparametric tests of significance. PREQ: An algebra course, PSY 150 or permission of instructor.

252 Research Methods II: Experimentation (3)
Naturalistic observation and correlational research; research designs and statistics; ethical issues; data collection and analysis; writing formal papers. PREQ: 251 or permission of instructor.

280 Research in Psychology I (1-3, R3)
Introductory-level supervised bibliographical or research activity. S/U grading. PREQ: 150 or permission of instructor.

313 Organizational and Industrial Psychology (3)
Structure, methods, techniques, and application of psychological concepts to human problems of work in organizations. PREQ: 150 or permission of instructor.

320 Child and Adolescent Development (3)
Theories and principles of development of individuals from diverse backgrounds from conception through adolescence. Field experience required. PREQ: Completion of EDCI 231 with a grade of "C" or better for teacher education majors; PSY 150 or permission of instructor for other majors.

321 Educational Psychology (3)
Application of psychological principles to teaching; cognition, learning, motivation, measurement, individual differences including cultural differences and exceptionalities, and behavior management. PREQ: 320 or 322 and admission to teacher education program. Field experience required.

322 Adolescent Development: Problems and Achievements (3)
Theories and principles of development and problems specific to adolescents from diverse backgrounds. Field experience required. PREQ: Completion of EDCI 231 with a grade of "C" or better for teacher education majors; PSY 150 or permission of instructor for other majors.

325 Development: Early Adulthood through Maturity (3)
Physiological, cognitive, emotional, psychological, and social development from college age through adulthood. PREQ: 150 or permission of instructor.

327 Psychology of Aging (3)
The process of aging during the later years; biological, psychological, and cognitive changes; theories of aging; counseling approaches. PREQ: 150 or permission of instructor.

331 Human Sexuality (3)
Psychological, biological, social, and legal aspects of sexuality. PREQ: Junior or senior status. (P1)

333 Psychology of Sex Differences (3)
Development of sex differences and similarities in cognition, personality, and social behaviors; the role of physiological, social, and cultural factors. PREQ: 150 or permission of instructor.

360 Psychological Testing (3)
History, theory, and practice of measurement; test development and standardization; evaluation of intelligence, achievement, aptitude, and personality. PREQ: 150 or permission of instructor.
363 Behavioral Intervention (3)
A survey of behavioral theory covering both nonmediational and mediational approaches. Applications of behavioral theory to a variety of difficulties including school and clinical settings. PREQ: 150 or permission of instructor.

370 Psychology and Law (3)
Interrelationships between psychology and the legal system; identifying psycholegal issues in daily life; applying psychological theory and research to resolution of psycholegal dilemmas in real world. PREQ: Junior or senior status. (P1)

389 Cooperative Education in Psychology (1 or 3, R15)
See Cooperative Education Program.

393 Topics in Psychology (3, R9)
PREQ: 150 or permission of instructor.

426 Death and Dying (3)
Psychological foundations and correlates of death anxiety and grief; cross-cultural perspectives; death education and stages in children's awareness; coping with grief and fears. PREQ: 150 or permission of instructor.

430 Personality (3)
Assumptions, constructs, and theories of personality; related empirical findings. PREQ: 150 or permission of instructor.

440 Biological Psychology (3)
Physiological, genetic, and evolutionary bases of behavior. PREQ: 150 or permission of instructor.

441 Health Psychology (3)
Psychological foundations of health and illness; exploration of the impact of thoughts, emotions, and behavior on the development, treatment, and prevention of illness and the maintenance of health. PREQ: 150 or permission of instructor.

444 Cognitive Psychology (3)
Theories and principles of human information processing: language production and comprehension, basic processes in memory and cognition. PREQ: 150 or permission of instructor.

448 Human Neuropsychology (3)
Survey of the basic theories of neuropsychology, emphasizing both cognitive and clinical research. The course will focus on the influence of the human brain on normal and abnormal behavior. PREQ: 150 or permission of instructor.

455 Systems and Theories in Psychology (3)
Systematic survey of psychology as a scientific endeavor from early approaches to contemporary schools and trends. PREQ: 150 or permission of instructor.

460 Crisis Intervention (1)
Theory and nature of crises; intervention strategies for dealing with a variety of crises such as physical assault, rape, suicide, and natural disaster. Enrollment restricted to Emergency Medical Care majors.

470 Abnormal Psychology (3)
Theories of psychopathology; etiology, dynamics, symptomatology, diagnosis, and treatment. PREQ: 150 or permission of instructor.

474 The Emotionally Disturbed Child and Adolescent (3)
Etiology, characteristics, assessment, and treatment of deviation; learning difficulties, behavioral and psychotic disorders; problems of the handicapped. PREQ: 150 or permission of instructor.
475 Applications in Psychology (3)
Applications of psychology to bachelor-level psychology jobs. Communication and listening skills, crisis management, milieu therapy. Professional roles and boundaries, ethics and legal issues, documentation. PREQ: Permission of instructor.

480 Research in Psychology (1-6, R6)
Supervised research experiences for advanced students. S/U grading. PREQ: 150, 251, 252; permission of instructor.

483 Internship in Psychology (3, 3, 3, 3)
Application of theory, methods, and techniques in a cooperating agency under faculty supervision. PREQ: 2.0 GPA, 20 hours of psychology, and a course in methods of counseling, or permission of instructor. 9 hours applicable to major. 10 hours per week per course.

495 Senior Seminar in Psychology (3)
Overview of the history and current state of psychology. Discussions of important facts, issues, concepts, and theoretical perspectives in psychology. PREQ: 252 or permission of instructor.

Graduate Courses
510 Individual Psychology (3)
526 Death and Dying (3)
530 Personality (3)
540 Biological Psychology (3)
541 Health Psychology (3)
544 Language, Memory, and Cognition (3)
548 Human Neuropsychology (3)
555 Systems and Theories in Psychology (3)
570 Abnormal Psychology (3)
574 The Emotionally Disturbed Child and Adolescent (3)
610 Advanced Social Psychology (3)
621 Advanced Educational Psychology (3)
624 Child and Adolescent Development (3)
625 Adolescent Development (3)
626 Adulthood and Aging (3)
648 Advanced Neuropsychological Assessment (3)
650 Advanced General Psychology (3)
651 Advanced Research Methods (3)
652 Advanced Research Methods, Design, and Communication (3)
661 Psychological Assessment I (4)
662 Personality Assessment (3)
663 Assessment and Intervention with Preschool Children (3)
664 Psychological Assessment II (3)
671 Advanced Psychopathology (3)
672 Psychotherapy I: Theories (3)
673 Professional Issues (3)
674 Advanced Child Psychopathology (3)
675 Cognitive Behavioral Interventions (3)
676 Psychotherapy II: Techniques (3)
677 Group Psychotherapy (3)
678 Family Systems (3)
679 Survey of Clinical Psychology (3)
680 Directed Study in Psychology (3, R6)
683 Internship in Psychology (6)
684 Internship in Psychology (6)
686 Practicum in Psychology (1-4)
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)

OTHER COURSE DESCRIPTIONS

University Studies-Interdisciplinary (USI)
101 Honors Forum (1)
Interdisciplinary introduction to the academic milieu—scholarly controversy, the ferment of ideas, study, and research.

130 The University Experience (1)
Introduction to the university and to higher education. Discussion of issues involved in the transition from high school to college. Emphasis on academic and career planning and personal development.

393 Topics in International Studies I (3, R6)
Interdisciplinary introduction to the civilization and culture of a particular country or region and its relationship with the United States.

394 Topics in Cherokee Studies (3, R9)
Selected individual or interdisciplinary aspects of Cherokee culture and society offered by various departments.
395 Topics in International Studies II (1-3, R4)
Interdisciplinary study of the civilization, environment, and culture of a country or region and its relationships with the United States and the world community.

396 Honors Colloquium (3, R6)
Interdisciplinary discussion of a topic of special concern selected in consultation with honors students. PREQ: Junior standing, 3.0 GPA.

497 Honors Seminar (3, R6)
Interdisciplinary seminar featuring student research directed toward a topic selected in consultation with honors students. PREQ: Junior standing with 3.0 GPA.

Graduate Courses
693 Topics in Graduate Education (1-3, R6)
THE HONORS COLLEGE

Brian Railsback, Dean
Dane Scott, Associate Dean
Susan Clarke Smith, Director of Honors/Pre-Professional Advising
G-55 Stillwell
(828) 227-7383

The College serves over 900 Honors students, and manages programs that are open to all undergraduates at Western Carolina University. The Honors College is a student-centered enterprise that enhances the educational experience for high-achieving students, encourages innovative teaching, learning, and curriculum development, serves students and faculty across all disciplines, and encourages and supports undergraduate research.

Honors College Benefits. Honors College students are invited to live in the two Honors residences, Reynolds or Buchanan Hall. Honors students also benefit from a special diploma (see "Honors College Diploma" below), priority registration, the opportunity to customize their curriculum (see "Honors Curriculum" below), access to Honors courses, special library privileges, and free copying/printing at the Honors Office in G-55 Stillwell. Note: social events put on by The Honors College Student Board of Directors, such as dances, parties, special trips, tournaments, or events through the Jerry Jackson Lectures in the Humanities Series, are open to all Western Carolina University students.

Admission. To be considered for The Honors College, incoming first-year students must have a high school record that meets at least one of these standards: 3.75 GPA, 1200 SAT or 30 ACT, or top 10% of the high school class. First-year students who achieve a 3.50 GPA or above on at least 12 credit hours in the first semester at Western Carolina University will be invited to join The Honors College. After the first semester, students who have at least a cumulative 3.33 GPA are welcome to meet with the Dean to be considered for admission on a case-by-case basis.

To Remain in The College. Honors College students must maintain a 3.10 cumulative GPA at 30 credit hours, a 3.20 GPA at 60 hours, and must have a cumulative 3.33 GPA at 90 hours. A student who is dropped from The Honors College may be reinstated if the cumulative GPA is brought up to an acceptable level.

Advising. Honors students who have not yet declared a major are advised by the Honors Director of Advising, the Associate Dean, or the Dean. Honors students who have declared a major are usually advised by a faculty member in the major department; for questions related to The Honors College or its programs, students are welcome to meet with an Honors advisor.

Honors College Curriculum. Because of their academic achievement, Honors students are able to "customize" their Liberal Studies and degree programs. In Liberal Studies, an Honors student may elect to take a higher level course in place of the Liberal Studies course (this requires a completed approval form, available at the Honors Office). If the Honors student completes the higher level course with a B- or higher, the student will receive Honors credit for the course. Honors students may create their own degree program (Special Studies degree) with "fast track" approval. For more information on the Special Studies degree and the approval process, contact the Honors Dean.

The Honors College Diploma. The diploma, available in any major at Western Carolina University, is a special honor—a signal of high achievement to employers and graduate school admissions officers. Honors College students must complete 30 Honors hours and have at least a 3.33 cumulative GPA upon graduation to receive the diploma. Graduation from The Honors College will be designated on the transcript.
Honors College Credits. Honors students do not take extra hours to earn the College diploma; they do enroll in special Honors classes, usually in the Liberal Studies Program, to earn the hours needed for the College diploma. At the major level, Honors students may arrange for an Honors contract with the instructor of the course (this is a one-on-one project worked out between the student and the instructor) to earn Honors credit. Contract forms are available at the Honors Office. Transfer students who have Honors credit from other institutions need to meet with the Dean to determine how Honors credits will be accepted at Western Carolina University. Honors students who travel abroad may earn Honors hours for the experience by working out a special Honors contract with the Dean before they travel.

Honors College Scholar Program. This is designed for exceptional students who are interested in preparation and sponsorship for prestigious national or international scholarships (for example, the Goldwater, Truman, or Rhodes). Honors College Scholars are allowed to enroll in special tutorial courses with top professors; these experiences usually lead to regional or national undergraduate research experiences. To complete the program, Honors College Scholars must complete at least 12 Tutorial hours (these are not additional hours, however, but they do count as Honors credit). Incoming first-year students who have achieved a minimum weighted 4.0 high school GPA and at least a 1300 SAT or 33 ACT score may be admitted. First-year students who make at least a 3.75 cumulative GPA on at least 12 hours may be admitted. Honors College Scholars must maintain at least a 3.75 cumulative GPA to remain in the program. Graduates of this program will receive special recognition on the diploma and transcript.

HONORS COLLEGE PROGRAMS THAT ARE OPEN TO ALL UNDERGRADUATES:

The Humanities Program, B.A. Degree

The Humanities Program is designed to enhance the academic and social university experience for humanities students at Western Carolina University. In addition, the Humanities Program allows students to double-major in four years (a total of 120 hours). Participating departments include Art (art history major); Communication, Theatre and Dance (speech communications major); English (literature, motion pictures studies, or professional writing majors); Modern Foreign Languages (German and Spanish majors), and Philosophy and Religion (philosophy major). In the Humanities Program, for example, a student could complete majors in literature and art history in 120 hours. To maintain the interdisciplinary spirit of the program, students cannot double major in the same department (literature and professional writing, for example). All students admitted to Western Carolina University are eligible for the Humanities Program.

Students who enroll in the Humanities Program must complete two special 27-hour majors specifically for Humanities students (for a total of 54 hours). They must complete at least six hours of a modern foreign language at the sophomore level (MFL 231 and 232 or 240) and the 42-hour Liberal Studies Program. They are also required to complete one-hour Humanities Seminars in the freshman, sophomore, and junior year for a total of 3 hours. Fifteen general elective hours will complete the total of 120 hours required for the Humanities Program.

Humanities students are invited to live in the Humanities Residence Hall, a gathering place for student artists, creative writers, literary critics, and philosophers. For more information, contact the Dean of The Honors College at (828) 227-7383.
The Humanities Program Double Major (120 hours total):

Liberal Studies, 42 hours

Humanities Seminars (3 hours):
PAR 103: Humanities of the Region, 1 hour
PAR 203: Humanities in the Nation, 1 hour
PAR 303: Humanities for World Citizens, 1 hour

MFL 231-232, 6 hours

Elective hours—any 300-400 level courses the student chooses, 15 hours

Two majors (B.A. degrees) from the following (27 hours each, for a total of 54 hours):

Art History (27 hours)

ART 136: Art History Survey I, 3 hours
ART 137: Art History Survey II, 3 hours
Nine hours selected from:
ART 131: Intro Drawing, 3 hours
ART 132: 2-D Design, 3 hours
ART 141: Life Drawing, 3 hours
ART 142: 3-D Design, 3 hours
12 hours selected from 300-400 level art history electives or nine hours or nine hours of
300-400 art history electives and three hours of Phil. 310: Philosophy of Art.

German (27 hours)

German Core (12 hours):

GER 301: German for Everyday Use I, 3 hours
GER 302: German for Everyday Use II, 3 hours
GER 321: German Civilization I, 3 hours
GER 322: German Civilization II, 3 hours

German Language and Culture (15 hours):

At least six hours selected from:
GER 310: Intro to German Prose and Poetry, 3 hours
GER 331: Survey of German Lit I, 3 hours
GER 332: Survey of German Lit II, 3 hours
GER 431: Studies in German Literature, 3 hours

At least six hours selected from:
GER 401: Contrastive Features of German and English, 3 hours
GER 451: Advanced German Grammar, 3 hours
GER 452: Advanced German Conversation, 3 hours
GER 393: Special Topics in German (Distance Learning), 3 hours
Literature (27 hours)

Literature Core (15 hours):

ENGL 231: The Interpretation of Literature, 3 hours
ENGL 251: Survey of English Literature I, 3 hours
ENGL 252: Survey of English Literature II, 3 hours
ENGL 261: Survey of American Literature I, 3 hours
ENGL 262: Survey of American Literature II, 3 hours

12 hours of 300-400 literature courses to be determined by the student and advisor.

Motion Picture Studies (27 hours)

Motion Picture Studies Core (15 hours):
ENGL 278: Introduction to Film Studies, 3 hours
ENGL 310: Screenwriting, 3 hours
ENGL 378: Film History, 3 hours
ENGL 468: Film Studies, 3 hours
ENGL 478: Film as Literature, 3 hours

12 hours of 300-400 level courses to be determined by the student and advisor. Suggested but not required: CMEM 351, PHIL 309, ENGL 308, ENGL 331, ENGL 405.

Philosophy (27 hours)

Philosophical Foundations of Humanities (6 hours):
PHIL 102: Western Moral Traditions, 3 hours
PHIL 230: Legal, Scientific, and Critical Reasoning, 3 hours

History of Philosophy or History of Religious Thought (9 hours):
Select any 9 hours of courses within the History category of Philosophy or Religion.

Philosophy and the Humanities or Religion and the Humanities (6 hours):
Select any 6 hours of courses within the Humanities category of Philosophy or Religion.

Philosophy and Culture or Religion and Culture (6 hours):
Select any 6 hours within the Culture category of Philosophy or Religion.

Professional Writing (27 hours)

Professional Writing Core (6 hours):
ENGL 303: Introduction to Professional Writing, 3 hours
ENGL 412: Grammar for Writers, 3 hours

21 hours of 300-400 level professional writing courses to be determined by the student and advisor; 6 of these 21 hours may be selected from 300-400 level literature courses.

Spanish (27 hours)

Language and Culture courses (6 hours):
SPAN 301: Topics of the Hispanic World I, 3 hours
SPAN 302: Topics of the Hispanic World II, 3 hours

Civilization and Culture courses (6 hours):
SPAN 321: Spanish Civilization, 3 hours
SPAN 322: Spanish-American Civilization, 3 hours
Electives, which must include two literature courses—6 hours (15 hours total):
- SPAN 304: Spanish for Careers and Professions
- SPAN 310: Intro to Prose and Poetry
- SPAN 330: Masterpieces of Spanish Peninsular Literature, 3 hours
- SPAN 333: Masterpieces of Spanish-American Literature, 3 hours
- SPAN 401: Contrastive Features of Spanish and English, 3 hours
- SPAN 432: Studies in Spanish-American Literature, 3 hours
- SPAN 451: Advanced Grammar, 3 hours
- SPAN 452: Advanced Conversation, 3 hours

Speech Communication (27 hours)

Required Speech Communication courses (9 hours):
- CMCR 250: Public Communication, 3 hours
- CMHC 410: The Rhetoric of Performance, 3 hours
- CMHC 411: Rhetorical Theory and Criticism, 3 hours

Elective Speech Communication courses (18 hours selected from):
- CMHC 414: Gender Communication, 3 hours
- CMHC 415: Intercultural Communication, 3 hours
- CMEM 351: Comparative Studies in Film/TV, 3 hours
- CMTA 300: Dramatic Literature and Criticism I, 3 hours
- CMTA 301: Dramatic Literature and Criticism II, 3 hours
- CMTA 310: Black Theatre Experience, 3 hours
- CMTA 400: History of Theatre I, 3 hours
- CMTA 401: History of Theatre II, 3 hours
- CMTA 493: Selected Topics, 1-3 hours
- DA 252: Ethnic Dance, 1 hour
- ENGL 378: Film History, 3 hours
- ENGL 473: Modern Drama, 3 hours
- HIST 474: Introduction to Oral History, 3 hours

CURRICULUM GUIDE FOR HUMANITIES, B.A. DEGREE

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>FALL SEMESTER</th>
<th>Course and Number</th>
<th>Hrs.</th>
<th>SPRING SEMESTER</th>
<th>Course and Number</th>
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<td>ENGL 101</td>
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<td>ENGL 102</td>
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<td>MATH 101</td>
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<td>CMHC 201</td>
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<tr>
<td>PAR 103</td>
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<td>HEAL 123 or HSCC 101</td>
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<td>FS Seminar</td>
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SOPHOMORE YEAR

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<th>Hrs.</th>
<th>SPRING SEMESTER</th>
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<tr>
<td>PAR 203</td>
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<td>P4</td>
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<td>Hum Major 1</td>
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<td>Hum Major 1</td>
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<td>Hum Major 2</td>
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<td>Hum Major 1</td>
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<td>Hum Major 2</td>
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<td>Hum Major 2</td>
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JUNIOR YEAR

FALL SEMESTER
Course and Number   Hrs.   SPRING SEMESTER
Course and Number   Hrs.
PAR 303            1      MFL 102            3
UL Pers/P6         3      Hum Major 1         3
MFL 101            3      Hum Major 1         3
Hum Major 1        3      Hum Major 2         3
Hum Major 1        3      Elective            3
Hum Major 2        3      
16

SENIOR YEAR

FALL SEMESTER
Course and Number   Hrs.   SPRING SEMESTER
Course and Number   Hrs.
MFL 231            3      MFL 232            3
Hum Major 1        3      Hum Major 1         3
Elective           3      Hum Major 2         3
Hum Major 2        3      Hum Major 2         3
Hum Major 2        3      
15

Total hours for degree: 120

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

National Student Exchange. Western Carolina University is part of a student exchange consortium of over 150 universities in the United States and its territories. Students participating in National Student Exchange pay regular tuition to WCU and study at another university for up to one academic year; any student with a GPA of at least 2.50 may apply to go on exchange. The deadline for applying to the exchange for the following year is February 1. Students are welcome to contact the Associate Dean of The Honors College for more information at (828) 227-7383.

Pre-Professional Programs. Pre-Medicine, Pre-Pharmacy, Pre-Law, Pre-Veterinary Medicine, Pre-Physical Therapy, Pre-Dental, Pre-Optometry, Pre-Physician's Assistant, Pre-Engineering.

Students who attend the university to prepare for admission into a professional school are provided with a variety of options for the programs they may pursue. Students should make decisions early in their undergraduate career regarding preparation for professional school. The majority of professional school programs now require a bachelor’s degree for admission, although there are still some exceptions. To make wise decisions regarding undergraduate prerequisite courses and selecting an undergraduate major, students should contact the Pre-Professional Advisor at The Honors College. Call (828) 227-3277, email smithsc@wcu.edu, come by G-55 Stillwell, or visit the website at www.wcu.edu/honorscollege/professional.htm.

Undergraduate Research. The Honors College sponsors Undergraduate Project Grants, which are grants of up to $500 each, to support supplies or travel related to student research and creative/performance projects. Students who are accepted to present at the National Conference for Undergraduate Research will have lodging, travel, and registration expenses paid for by The Honors College. Please contact the Dean for more information about these programs at (828) 227-7383.
The Graduate School at Western Carolina University awarded its first graduate degrees in 1952. Since that time, it has continuously broadened its offerings. Programs offered by the Graduate School lead to sixteen master’s degrees with more than fifty options in the different professional and academic areas. The education specialist and doctoral degree in educational leadership are also offered.

Master of Accountancy

Master of Arts: Majors in History (American or European concentration), English, and psychology (clinical, school, and general experimental).

Master of Arts in Education: Majors in educational administration (two-year college), counseling (school), elementary education, middle grades education, special education general (with concentrations in behavioral disorders, learning disabilities, mental retardation, and severe and profound disabilities), educational supervision (curriculum-instruction, instructional technology specialist-computers, international studies), and in two-year college teaching with majors in biology, English, mathematics, physical education, and individually approved multi-disciplinary studies.

Master of Arts in Teaching: Options in Art, Biology, Chemistry, English, Mathematics, Physical Education, Reading, Social Sciences, and Special Education general (with a concentration in learning disabilities/mental retardation)

Master of Business Administration

Master of Construction Management

Master of Education: College Student Personnel

Master of Entrepreneurship

Master of Fine Arts in Fine Arts


Master of Music

Master of Physical Therapy

Master of Project Management

Master of Public Affairs

Master of School Administration

Master of Science: Majors in Applied Mathematics, Biology, Chemistry, Communication Sciences and Disorders, Community Counseling, Human Resources, and Technology.

Master of Science in Nursing

Education Specialist: Educational Leadership

Doctor of Education: Educational Leadership

*Complete information will be found in the graduate catalog, The Record, Graduate Catalog, available from the Graduate School.
Admission and Program Requirements. Admission to the Graduate School requires a bachelor’s degree from a regionally accredited college or university with an undergraduate background appropriate for graduate study in the proposed field and a minimum GPA of 3.00 in the last two years of the undergraduate program. Departments also require some form of standardized test such as GMAT or GRE. Please consult The Record, Graduate Catalog, for specific requirements for each program. Prospective students are encouraged to talk to the head of the department of the intended program concerning their eligibility to be admitted as a graduate student. Many programs require three letters of reference from former instructors or employers who are in a position to judge the applicant's aptitude for graduate study. These forms are available from the Graduate School. Formal application and all credentials should be submitted to the Graduate School not later than six weeks prior to the opening of the term in which the student expects to enroll. Some programs have application deadlines. Applicants should contact the Graduate School to determine these programs.

Some graduate programs require a thesis. These are master of arts in History (excluding non-thesis option and public history option), master of arts in English, master of arts in psychology (clinical, school, and general experimental), master of fine arts in fine arts, master of science in biology, and master of science in chemistry. A thesis or lecture/recital is required for the M.M. in music. A thesis may be accepted for degree programs leading to the master of arts in education, the master of health sciences, the master of science in applied mathematics and the master of science in communication disorders. A dissertation is required for the EdD.

A reading knowledge of a foreign language is required for the following programs: master of arts in History and the master of arts in English. Other degree programs do not require proficiency in a foreign language.

All degrees may be completed with a minimum of thirty to seventy-five semester hours of graduate study. However, applicants may be required to take additional course work to strengthen their academic background.
COURSE DESCRIPTIONS

All courses offered by the university are listed 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>Number Range</th>
<th>Course Type and Description</th>
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</thead>
<tbody>
<tr>
<td>01-100</td>
<td>Noncredit courses which are not applicable to degrees</td>
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<tr>
<td>101-199</td>
<td>Courses for freshmen</td>
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<tr>
<td>190-199</td>
<td>First-Year Seminar courses</td>
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<tr>
<td>200-299</td>
<td>Courses for sophomores</td>
</tr>
<tr>
<td>300-399</td>
<td>Courses for juniors</td>
</tr>
<tr>
<td>400-499</td>
<td>Courses for seniors</td>
</tr>
<tr>
<td>500-799</td>
<td>Masters-level courses</td>
</tr>
<tr>
<td>800-999</td>
<td>Doctoral-level courses</td>
</tr>
</tbody>
</table>

Students should not enroll in courses numbered above their class rank without the permission of the department offering the course. Undergraduate students may not enroll in graduate-level courses for either undergraduate or graduate credit except under the conditions specified in the graduate catalog. In such cases, the student must meet graduate-level requirements to receive credit.

Courses numbered 293, 294, 393, 394, 493, 494, 593, 594, 693 or 694 are for special topics that reflect a student's or faculty member's special interest not covered by regular departmental curriculum offerings. Credit in these courses varies from one to four credit hours, to be determined by the department for each offering. Students may take up to 12 hours of special topic credit in a single department/program. A particular topic course can be taught at most two times in a five-year period. If a department/program wishes to teach a particular topic course more than twice in a five-year period, it must propose the course as a regular course, subject to the curriculum review process.

The category of liberal studies to which each course applies may be found in the liberal studies requirements section. The applicable category also is indicated by the parenthetical code at the end of each course description.

Core

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<tr>
<th>Core</th>
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</thead>
<tbody>
<tr>
<td>C1   Writing</td>
</tr>
<tr>
<td>C2   Mathematics</td>
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<tr>
<td>C3   Oral Communication</td>
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<td>C4   Wellness</td>
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Perspectives

<table>
<thead>
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<th>Perspectives</th>
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</thead>
<tbody>
<tr>
<td>P1 Social Sciences</td>
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<tr>
<td>P2 Physical and Biological Sciences</td>
</tr>
<tr>
<td>P3 History</td>
</tr>
<tr>
<td>P4 Humanities</td>
</tr>
<tr>
<td>P5 Fine and Performing Arts</td>
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<tr>
<td>P6 World Cultures</td>
</tr>
</tbody>
</table>

The number 389 is reserved for cooperative education undergraduate courses, and the number 589 is reserved for cooperative education graduate courses.

Within the sequences 480-499, 580-599, 680-699, and 780-799, the second and third digits of the numbers are assigned to special types of courses:

<table>
<thead>
<tr>
<th>Number Range</th>
<th>Course Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>80-82</td>
<td>Independent study and directed-readings courses</td>
</tr>
<tr>
<td>83-89</td>
<td>Internships, practicum, and special applied field projects</td>
</tr>
<tr>
<td>90-92</td>
<td>Student teaching</td>
</tr>
<tr>
<td>93-94</td>
<td>Special topics courses</td>
</tr>
<tr>
<td>95-98</td>
<td>Seminars</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.

Special Topics Course Policy. Courses numbered 293, 294, 393, 394, 493, 494, 593, 594, 693 or 694 are for special topics that reflect a student's or faculty member's special interest not covered by regular departmental curriculum offerings. Credit in these courses varies from one to four credit hours, to be determined by the department for each offering. Students may take up to 12 hours of special topic credit in a single department/program. A particular topic course can be taught at most two times in a five-year period. If a department/program wishes to teach a particular topic course more than twice in a five year period, it must propose the course as a regular course, subject to the curriculum review process.
<table>
<thead>
<tr>
<th>Prefix</th>
<th>Field of Study</th>
<th>Department/College</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT</td>
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<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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<td>ASI</td>
<td>Arts and Sciences</td>
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<td>AST</td>
<td>Astronomy</td>
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<td>BA</td>
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<td>Biology</td>
<td>Biology</td>
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<tr>
<td>BK</td>
<td>Birth-Kindergarten</td>
<td>B-K, Elementary and Middle Grades Education</td>
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<td>CFS</td>
<td>Child and Family Studies</td>
<td>Human Services</td>
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<td>CHEM</td>
<td>Chemistry</td>
<td>Chemistry and Physics</td>
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<td>Cherokee</td>
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<td>CIS</td>
<td>Computer Information Systems</td>
<td>Business Computer Information Systems and Economics</td>
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<td>CJ</td>
<td>Criminal Justice</td>
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<td>CLS</td>
<td>Clinical Laboratory Sciences</td>
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<td>Communication Core</td>
<td>Communication, Theatre, and Dance</td>
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<td>Electronic Media</td>
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<td>ECON</td>
<td>Economics</td>
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<td>EDCI</td>
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<td>Educational Leadership and Foundations</td>
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<td>Elementary Education</td>
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<td>Reading</td>
<td>B-K, Elementary and Middle Grades Education</td>
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<td>EDSE</td>
<td>Secondary Education and Special Subject Teaching</td>
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<td>Educational Supervision</td>
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<tr>
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<td>USI</td>
<td>University Studies, Interdisciplinary</td>
<td>Academic Affairs</td>
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</table>
History of The University of North Carolina

In North Carolina, all the public educational institutions that grant baccalaureate degrees are part of The University of North Carolina. Western Carolina University is one of the sixteen constituent institutions of the multi-campus state university.

The University of North Carolina, chartered by the North Carolina General Assembly in 1789, was the first public university in the United States to open its doors and the only one to graduate students in the eighteenth century. The first class was admitted in Chapel Hill in 1795. For the next 136 years, the only campus of The University of North Carolina was at Chapel Hill.

In 1877, the North Carolina General Assembly began sponsoring additional institutions of higher education, diverse in origin and purpose. Five were historically black institutions, and another was founded to educate American Indians. Several were created to prepare teachers for the public schools. Others had a technological emphasis. One is a training school for performing artists.

In 1931, the North Carolina General Assembly redefined The University of North Carolina to include three state-supported institutions: the campus at Chapel Hill (now the University of North Carolina at Chapel Hill), North Carolina State College (now North Carolina State University at Raleigh), and Woman's College (now the University of North Carolina at Greensboro). The new multi-campus university operated with one board of trustees and one president. By 1969, three additional campuses had joined the university through legislative action: the University of North Carolina at Charlotte, the University of North Carolina at Asheville, and the University of North Carolina at Wilmington.

In 1971, the North Carolina General Assembly passed legislation bringing into the University of North Carolina the state’s ten remaining public senior institutions, each of which had until then been legally separate: Appalachian State University, East Carolina University, Elizabeth City State University, Fayetteville State University, North Carolina Agricultural and Technical State University, North Carolina Central University, the North Carolina School of the Arts, Pembroke State University, Western Carolina University, and Winston-Salem State University. This action created the current sixteen-campus university. In 1985, the North Carolina School of Science and Mathematics, a residential high school for gifted students, was declared an affiliated school of the university; and in 1996, Pembroke State University was renamed The University of North Carolina at Pembroke through legislative action.

The UNC Board of Governors is the policy-making body legally charged with “the general determination, control, supervision, management, and governance of all affairs of the constituent institutions.” It elects the president, who administers the university. The thirty-two voting members of the Board of Governors are elected by the North Carolina General Assembly for four-year terms. Former board chairmen and board members who are former governors of North Carolina may continue to serve for limited periods as non-voting members emeriti. The president of the UNC Association of Student Governments, or that student’s designee, is also a non-voting member.

Each of the sixteen constituent institutions is headed by a chancellor, who is chosen by the Board of Governors on the president’s nomination and is responsible to the president. Each institution has a board of trustees, consisting of eight members elected by the Board of Governors, four appointed by the governor, and the president of the student body, who serves ex officio. The North Carolina School of the Arts has two additional ex officio members. Each board of trustees holds extensive powers over academic and other operations of its institution on delegation from the Board of Governors.
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Priscilla P. Taylor

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Amanda M. Devore

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Gretchen M. Bataille ........................................ Senior Vice President for Academic Affairs
Western Carolina University was founded in August 1889 as a semi-public school. Chartered as Cullowhee High School in 1891, it served the Cullowhee community and boarding students from neighboring counties and other states.

For Professor Robert Lee Madison, the institution's founder, the aim of the school was teacher training. In 1893, with the first state appropriation of $1,500, a normal department was established. In 1905, the institution became Cullowhee Normal and Industrial School, a title it held for twenty years.

Beginning about 1912, the status of the school was gradually raised to that of a two-year normal school or junior college. With state support increasing and work at the secondary level discontinued, the name of the school was changed in 1925 to Cullowhee State Normal School.

In 1929, under a new charter authorizing the school to extend its work to the four-year level, the name Western Carolina Teachers College was adopted. Modifications in function and rapid growth climaxed in 1951 with the addition of the postgraduate year to the curriculum, and the granting of the Master of Arts in Education degree was authorized. Demands in the liberal arts, and for programs in other areas of learning, led to an expansion of its offerings and to a further change, in 1953, to the name Western Carolina College.

In 1967, the institution was designated a regional university by the North Carolina General Assembly and the name of the institution was changed to Western Carolina University.

In 1971, the state legislature reorganized higher education in North Carolina, and on July 1, 1972, Western Carolina University became a constituent institution of The University of North Carolina.
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Gerald Kiser .......................................................... Monroe, MI
Steve Warren ......................................................... Asheville
Charles R. Worley .................................................. Asheville
Rosemary Foley Wyche ............................................. Raleigh

Ex Officio
Heather Christine List ........................................... Cullowhee

Former Trustee (2002-2003)
Mr. Joe Crocker, Former Chair ..................................... Winston-Salem

ADMINISTRATIVE OFFICERS
2005-2006
Office of the Chancellor
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Dianne G. Lynch, M.S. ............................................... Executive Assistant to the Chancellor
Richard L. Kucharski, J.D. ........................................... Legal Counsel
Mary Ann Lochner, J.D. .............................................. Associate Legal Counsel
Thomas L. Franke, Ph.D. ............................................ Chief Information Officer
Troy Barksdale, Ed.D. ................................................ University Planner
Robert Edwards, B.S.B.A ........................................... Internal Auditor
A.J. Grube, Ph.D. ...................................................... Assistant to the Chancellor for Equal Opportunity Programs

Office of Intercollegiate Athletics
Joseph "Chip" Smith, M.A. ............................................ Director of Athletics
Frederick Q. Cantler, B.S. ........................................ Senior Associate Athletics Director/Compliance Coordinator
Lewis Kent Briggs, M.A.Ed. ....................................... Head Football Coach
Matthew Kenneth Rhule, B.S. .................................... Assistant Head Football Coach
John Todd Varn, M.A. .............................................. Offensive Coordinator/Assistant Football Coach
William Geoffrey Collins, B.S. .................................. Defensive Coordinator/Assistant Football Coach
Myron Justin Jackson, M.S. ........................................ Assistant Football Coach
vacant ................................................................. Assistant Football Coach
Clayton White, B.S. ................................................ Assistant Football Coach
David H. Napert, M.A.Ed. .......................................... Assistant Football Coach
Brent Key, B.S. ....................................................... Assistant Football Coach
Todd Anthony Raleigh, M.A.Ed. ................................ Head Baseball Coach
Eric M. Filippek, B.S. ............................................... Assistant Baseball Coach
Kellie Jolly Harper, B.S. ............................................ Head Women's Basketball Coach
L'Tona Michelle Lamonte, M.S. ................................ Assistant Women's Basketball Coach
Stephanie A. McCormick, B.A. ................................ Assistant Women's Basketball Coach
Michael Warren Craft, M.S. .................................... Assistant Men's Basketball Coach
Brian Joseph Peabody, B.S. ...................................... Assistant Men's Basketball Coach
Anquell McCollum, B.S. ........................................... Assistant Men's Basketball Coach
Steve J. Shurina, M.S. ............................................... Head Men's Basketball Coach
vacant ................................................................. Senior Woman Administrator
Megan Neal Smith, M.S. ................................................................. Head Softball Coach
Michael Anthony Harris, B.A. .................................................. Assistant Director, Academic Support and Services
Stephen P. Lott ......................................................................... Women’s Golf Coach
Gorham Bradley, B.S. ................................................................... Men’s Golf Coach
Christopher Lenzo, M.A. ............................................................. Assistant Women’s Soccer Coach
Danny Williamson, M.A.Ed. ....................................................... Head Men’s and Women’s Track and Cross Country Coach
Brandy R. Venable, M.S. .............................................................. Assistant Men’s and Women’s Track and Cross Country Coach
Angell Kirkpatrick Benson, M.A.Ed. .......................................... Head Women’s Volleyball Coach
David E. Nicholson ..................................................................... Assistant Women’s Volleyball Coach
Jan Stubbs, B.S. ........................................................................... Head Women’s Tennis Coach
Tobias J. Jacobi, B.S. ................................................................. Strength and Conditioning Coordinator
Robert Myles Christian, B.S. ..................................................... Assistant Strength and Conditioning Coach
Grady Jonathan Hardeman, M.Ed. ............................................. Head Athletics Trainer
Jennifer A. Mroz, M.S. .............................................................. Assistant Athletics Trainer
Michael A. Taylor ........................................................................ Athletics Equipment Manager
Jennifer M. Brown, Ph.D. ............................................................. Director, Academic Support & Services
Michael Harris, B.A. ................................................................. Assistant Director of Academic and Support Services
Aimee C. Mitchell, B.A. .............................................................. Ticket Manager/Assistant Director of Marketing
Cheryl K. Plemmons, B.S.B.A. ..................................................... Executive Assistant
Daniel Keith Hooker, B.S. .......................................................... Assistant Director for Media Relations
Steven W. Herren, M.S. .............................................................. Assistant Director of Athletics for External Relations
Michael Cawood, B.S. .............................................................. Assistant Athletic Director for Media Relations

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James W. Rowell, B.A. .............................................................. Senior Director, Promotions & Marketing
vacant ......................................................................................... Director, Web Services
Rubbae Sandet ........................................................................ Publications Director

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