

## **REGULATIONS SUBJECT TO CHANGE**

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

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

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

Western Carolina University publishes two issues of The Record, the Undergraduate Catalog and the Graduate Catalog. Both describe academic programs, regulations, and policies. Find an online version at: [catalog.wcu.edu](http://catalog.wcu.edu).

Copies of the appropriate issues are made available to students registered at the university, high school principals and guidance counselors, college and university libraries, and public and private high schools and institutions of higher learning in North Carolina. Additional copies are available from the Western Carolina University Bookstore, Western Carolina University, Cullowhee, NC, 28723, 828-227-7346.

# GRADUATE SCHOOL CALENDAR

## Summer 2006

May 8-23, Monday-Tuesday	Mini-session (Drop/Add period for Mini session end on the second day of the class; automatic "W" period ends on the 6th day of class)
May 8-July 5, Monday-Wednesday	Assisted Registration for Asheville classes, WCU office, 120 Karpen Hall, UNCA (8 AM-5 PM)
May 31, Wednesday	Registration in Cullowhee (8 AM-7 PM)
May 31-June 5, Wednesday-Monday	Online Registration and Drop/Add continues (8 AM-7 PM)
June 1, Thursday	Classes begin (8 AM)
June 1-August 4, Thursday-Friday	Summer session (ten-week session)
June 1-July 3, Thursday-Monday	First summer session
July 4, Tuesday	Independence Day holiday
July 5, Wednesday	Registration (8 AM-7 PM)
July 5, Wednesday	Classes begin (8 AM)
July 6-7, Thursday-Friday	Online registration and drop/add continues (8 AM - 7 PM/5 PM on Fri.)
July 5-August 4, Wednesday-Friday	Second summer session
August 4, Friday	Commencement (7 PM)

## Fall 2006

August 17, Thursday	Registration in Asheville, Karpen Hall, UNCA (4:30-6:30 PM)
August 19, Saturday	Textbooks issued, Bookstore (8 AM – 5 PM)
August 20, Sunday	Residence halls open for all students (10 AM)
August 20, Sunday	Textbooks issued, Bookstore (1-5 PM)
August 22, Tuesday	Orientation for new graduate students (10 AM - 3 PM)
August 21-24, Monday-Thursday	Textbooks issued, Bookstore (8 AM-7 PM)
August 23, Wednesday	Classes begin (8 AM)
August 25, Friday	Textbooks issued, Bookstore (8 AM – 6 PM)
August 22-29, Tuesday - Tuesday	Registration and drop/add for all students
August 23, Wednesday	All classes begin (8 AM)
August 26, Saturday	Textbooks issued, Bookstore (10 AM – 4 PM)
August 29, Tuesday	All Drop/Add activities close (7 PM)
August 30, Wednesday	Begin period for drop with an automatic grade of "W"
September 4, Monday	Labor Day holiday
October 14, Saturday	Homecoming
October 16, Monday	Last day to drop any course with an automatic grade of "W" (7 PM)
October 18-22, Wednesday-Sunday	Fall Break
October 20, Friday	Last day for students completing programs in May to file degree application in dean's office
October 23, Monday	Academic advisement and registration for spring semester begins
October 30, Monday	Web Registration begins
November 17, Friday	Last day for completed theses/dissertations to be submitted to the Graduate School for students completing degree requirements in December
November 22-26, Wednesday-Sunday	Thanksgiving holiday
November 27, Monday	Last day for written results of comprehensive examination(s) to be submitted to the Graduate School for students completing degree requirements in December

November 28, Tuesday	Last day to withdraw from a course for mental health, medical, legal, or administrative reasons (5 PM)
December 5, Tuesday	Reading Day (no classes)
December 8, Friday	Last day of regular class meetings
December 9-15, Saturday-Friday	Final examinations for all classes/semester ends
December 15, Friday	Residence halls close for break (5 PM)
December 16, Saturday	Commencement (2 PM)
December 17, Sunday	Holiday begins

### Spring 2007

January 4, Thursday	Registration in Asheville , Karpen Hall, UNCA (4:30-6:30 PM)
January 5, Friday	Residence halls open for all students (9 AM)
January 5, Friday	Registration and drop/add for all students (8 AM- 5 PM)
January 5, Friday	Textbooks issued, Bookstore (8 AM-5 PM)
January 6, Saturday	Textbooks issued, Bookstore (10 AM - 5 PM)
January 7, Sunday	Textbooks issued, Bookstore (1-6 PM)
January 8, Monday	All classes begin (8 AM)
January 8-12, Monday-Friday	Late registration and drop/add
January 8-11, Monday-Thursday	Textbooks issued, Bookstore (8 AM-7 PM)
January 12, Friday	Textbooks issued, Bookstore (8 AM – 6 PM)
January 12, Friday	All registration and drop/add activities for all students close (5 PM)
January 13, Saturday	Textbook issued, Bookstore (10 AM – 5 PM)
January 15, Monday	Martin Luther King Jr. birthday holiday
January 16, Tuesday	Begin period of drop with an automatic grade of “W”
March 1, Thursday	Last day to drop a course with an automatic grade of “W” (7 PM)
March 5-9, Monday-Friday	Spring holiday
March 12, Monday	Last day for students completing programs in summer/ fall to file degree application in dean’s office
March 19, Monday	Academic advising and registration for summer and fall semester begins
March 26, Monday	Web registration begins
April 5-8, Thursday-Sunday	Easter holiday
April 11, Wednesday	Last day for completed theses/dissertations to be submitted to the Graduate School for students completing degree requirements in May
April 23, Monday	Last day for written results of comprehensive examination(s) to be submitted to the Graduate School for students completing degree requirements in May
April 23, Monday	Last day to withdraw from a course for mental health, medical, legal, or administrative reasons (7 PM)
April 24, Tuesday	Reading Day (no classes)
April 27, Friday	Last day of regular class meetings
April 28-May 4, Saturday-Friday	Final examinations for all classes/semester ends
May 4, Friday	Residence halls close (5 PM)
May 5, Saturday	Commencement (2 PM)

### Summer 2007

May 7-22, Monday-Tuesday	Mini-session (Drop/Add period for the mini session ends on the second day of the class; automatic “W” period ends on the 6th day of class)
May 7-July 5, Monday-Thursday	Assisted Registration for Asheville classes, WCU office, 120 Karpen Hall, UNCA (8 AM-5 PM)

May 31, Thursday	Registration (8 AM – 7 PM)
May 31-June 5, Thursday – Tuesday	Online Registration and Drop/Add continues (8 AM – 7 PM)
June 1, Friday	Classes begin (8 AM)
June 1-August 3, Friday-Friday	Summer session (ten-week session)
June 1-July 3, Friday-Tuesday	First summer session
July 4, Wednesday	Independence Day holiday
July 5, Thursday	Registration (8 AM- 7 PM)
July 5, Thursday	Classes begin for second summer session
July 5-August 3, Thursday-Friday	Second summer session
July 6 & 9, Friday & Monday	Online registration and drop/add continues (8 AM – 7 PM)
July 13, Friday	Last day for completed theses/dissertations to be submitted to the Graduate School for students completing degree requirements in August
July 16, Monday	Last day for written results of comprehensive examination(s) to be submitted to the Graduate School for students completing degree requirements in August
August 3, Friday	Commencement (7 PM)

PLEASE NOTE: Final Exams will be given during the last meeting of each course

# TELEPHONES NUMBERS

Area Code 828

<b>Graduate School</b> .....	<b>227-7398</b>
Bookstore .....	227-7346
Career Services .....	227-7133
Colleges	
College of Applied Sciences .....	227-7271
College of Arts and Sciences.....	227-7646
College of Business.....	227-7412
College of Education and Allied Professions.....	227-7311
Honors College.....	227-7383
Employment, Student.....	227-3888
Fees .....	227-7334
Financial Aid, Loans, Scholarships.....	227-7290
Food Services.....	227-7396
Fraternities, Sororities, Clubs .....	227-7206
International Students .....	227-7494
Provost Office.....	227-7495
Registrar, Student Records, Transcripts .....	227-7232
Residential Living .....	227-7303
Student Affairs .....	227-7234
Veterans Affairs.....	227-7232

## GRADUATE DEGREE PROGRAMS

<b>Programs/Degrees</b>	<b>Admission Tests</b>	<b>Supervising Department</b>
Accountancy/M.Ac. Art/M.F.A.	GMAT or GRE	College of Business Art
Biology/M.S.	GRE Gen.	Biology
Biology/Two-Year College M.A.Ed.	GRE Gen.	Educational Leadership and Foundations
Business Administration/ M.B.A.	GMAT	College of Business
Chemistry/M.S.	GRE Gen.	Chemistry and Physics
College Student Personnel/ M.Ed.	GRE Gen.	Educational Leadership and Foundations
Communication Sciences and Disorders/M.S.	GRE Gen.	Human Services
Comprehen. Educ., M.A.Ed./ M.A.T.**		
Art*	GRE Gen.	Art; Educational Leadership and Foundations
Biology*	GRE Gen.	Biology; Educational Leadership and Foundations
Chemistry*	GRE Gen.	Chemistry and Physics; Educational Leader ship and Foundations
Elementary Education*/ **	GRE Gen.	B-K, Elementary and MGE
English*	GRE Gen.	English; Educational Leadership and Foundations
Mathematics*	GRE Gen.	Mathematics and CS; Educational Leadership and Foundations
Middle Grades Education*	GRE Gen.	B-K, Elementary and MGE
Music*	GRE Gen.	Music; Educational Leadership and Foundations
Physical Education*	GRE Gen.	Health and Human Performance
Reading*/**	GRE Gen.	B-K, Elementary and MGE
Social Sciences*	GRE Gen.	History; Educational Leadership and Foundations
Special Education* Behavioral Disorders Learning Disabilities Mental Retardation Severe/Profound Disabilities	GRE Gen.	Human Services
Construction Management/ M.C.M.	GMAT or GRE	Kimmel School of Construction Management, Engineering and Technology
Counseling School Counseling/ M.A.Ed.*	GRE Gen.	Human Services
Community Counseling/ M.S.	GRE Gen.	Human Services
Educational Administration Two-Year College/ M.A.Ed.	GRE Gen.	Educational Leadership and Foundations
Educational Leadership/ Ed.S.*/Ed.D.*	GRE Gen.	Educational Leadership and Foundations
Educational Supervision Curriculum-Instruction/ M.A.Ed.*	GRE Gen.	Educational Leadership and Foundations
Instructional Technology Specialist-Computers/ M.A.Ed.*	GRE Gen.	B-K, Elementary & Middle Grades Education; Educational Leadership and Foundations

<b>Programs/Degrees</b>	<b>Admission Tests</b>	<b>Supervising Department</b>
International Studies/ M.A.Ed.	GRE Gen.	Management and International
English/M.A.	GRE Gen.	English
English/Two-Year College Teaching/M.A.Ed.	GRE Gen.	English; Educational Leadership and Foundations
Entrepreneurship/M.E.	GMAT or GRE	College of Business
Fine Arts, M.F.A.	GRE	Art
Health Sciences/M.H.S.	GRE Gen.	Health Sciences
History/M.A.	GRE Gen.	History
Human Resources/M.S.	GRE Gen.	Human Services
Individually Approved Multidisciplinary Studies Two-Year College Teaching/M.A.Ed.	GRE Gen.	Educational Leadership and Foundations; Subject Specialist Department
Junior and Community College Teaching/M.A.Ed.	GRE Gen.	Educational Leadership and Foundations; Subject Specialist Department
Mathematics, Applied/M.S.	GRE Gen. & Subj.	Mathematics and Computer Science
Mathematics/Two-Year College Teaching/M.A.Ed.	GRE Gen.	Mathematics and Computer Science; Educational Leadership and Foundations
Music/M.M.	GRE Gen.	Music
Nursing/M.S.N.	GRE Gen.	Nursing
Physical Education, Two-Year College Teaching/ M.A.Ed.	GRE Gen.	Health and Human Performance; Leadership and Foundations
Physical Therapy/M.P.T.	GRE Gen.	Physical Therapy
Project Management/M.P.M.	GMAT or GRE	College of Business
Psychology		
Clinical/M.A.	GRE Gen.	Psychology
General-Experimental/ M.A.	GRE Gen.	Psychology
School/M.A. (Level II)*	GRE Gen.	Psychology
Public Affairs/M.P.A.	GRE Gen.	Political Science and Public Affairs
School Administration/ M.S.A.*	GRE Gen.	Educational Leadership and Foundations
Social Work, M.S.W.	GRE Gen.	Social Work
Sport Management, M.S.M.	GRE Gen.	Health and Human Performance
Technology/M.S.	GRE Gen.	Kimmel School of Construction Management, Engineering and Technology

\*Programs leading to recommendation for North Carolina teacher licensure.

\*\*Elementary Education and Reading do not have M.A.T.

## **THE UNIVERSITY**

A member of The University of North Carolina, Western Carolina University offers courses in the arts, sciences, technologies, humanities, and professions. Students can elect degree programs at the bachelor, 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, 52 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 Tuckasee River basin, gives it an unusually attractive setting. The closest commercial airport to the university is located in Asheville, and there is airline service to Asheville. Private taxi service is available.

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

## **Governance**

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

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

## **Accreditation**

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

AACSB International - The Association to Advance Collegiate Schools of Business  
American Chemical Society  
American Council for Construction Education-candidacy status  
American Dietetic Association  
American Speech-Language-Hearing Association  
Commission on Accreditation of Allied Health Education Programs in cooperation with the  
    Council on Accreditation of the American Health Information Management Association and  
    the Joint Review Committee on Educational Programs for the Emergency Medical Professions  
Commission on Accreditation of Allied Health Education Programs-Athletic Training candidacy  
    status  
Commission on Accreditation in Physical Therapy Education  
Commission on Collegiate Nursing Education (CCNE)  
Council for Accreditation of Counseling and Related Educational Programs  
Council on Social Work Education  
Foundation on Interior Design Education Research (FIDER)  
National Accreditation Council for Environmental Health Science and Protection  
National Accrediting Agency for Clinical Laboratory Sciences  
National Association of School Psychologists  
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 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  
Conference of Southern Graduate Schools  
Cooperative Education Association  
Council of Applied Masters Programs in Psychology  
Council of Graduate Schools in the United States  
Institute for International Education, Inc.  
International Council for Small Business  
Mathematics Association of America  
National Association of Student Financial Aid Administrators  
National Business Education Association  
National University Continuing Education Association  
North American Association of Summer Sessions  
North Carolina Academy of Science  
North Carolina Association of Colleges and Universities  
North Carolina Bar Association  
North Carolina Political Science Association  
Southeastern Theatre Conference  
Southern Atlantic States Association for Asian and African Studies  
Southern Regional Education Board  
Southern States Communication Association  
Speech Communication Association  
United States Distance Learning Association  
United States Institute for Theatre Technology

## GRADUATE STUDENT LIFE

**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 designated 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 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 center 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 University One Stop. 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. Deadline for submission of the Residence Hall Agreement for Spring Semester 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 p.m. on the first day of classes.

**Residence Hall Agreement.** Each student residing in a residence hall signs the 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 is a legally binding contract. It may be cancelled by the student or the University under conditions outlined in the agreement.

**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.

**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 \$400 *breach of contract fee*.

**Housing for Married and Graduate Students.** Robertson Hall is available for married students, and consists of 37 efficiency and 5 one-bedroom apartments. Madison Hall is available for graduate students and offers 41 private rooms with private baths and is an airconditioned, 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. 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.** 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 \$400 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.

## **Dining**

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

Brown Cafeteria (on the upper campus)

Cyber Cafe (Dodson)

Dodson Cafeteria (on the lower campus)

Hinds University Center Food Court

Java City (Hunter Library) and Java City (University Center)

Convenience Store located at both 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 Web site under Life on Campus at [www.wcu.edu](http://www.wcu.edu).

## **Law Enforcement**

The University Police department is responsible for providing law enforcement, criminal investigation, and protective services on campus. University Police officers are certified by the N.C. Attorney General's Office and meet all standards set by the Attorney General for law enforcement officers in this state.

All crimes that occur on the campus of WCU should be reported to the University Police Department. Emergencies should be reported by dialing 911 from a University telephone or by dialing 828-227-7301 from your cellular telephone; non-emergencies may also be reported by dialing 828-227-7301. Reports for crimes may be filed by visiting the University Police Department, located in the University Outreach Center Annex, or by contacting an officer on patrol. Officers may also be summoned for emergencies by activating any of the emergency blue-light callboxes which are placed at various locations throughout campus.

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

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

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

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

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

#### Student Shuttle Bus System (CAT-TRAN)

The student shuttle bus system, or Cat-Tran, is operated through the University Police Department. Cat-Tran provides student shuttle service according to prescribed routes throughout the semester during day class hours. Reduced shuttle service is available during evening, weekend, and summer hours. The Cat-Tran does not operate during holidays, spring or fall breaks, or semester breaks. Because the Cat-Tran is supported by a student fee, this service is restricted to student use. Additionally, Cat-Tran is an on-campus service and is not available for off-campus or special event use. For information regarding routes, hours of operation, or other issues, please visit the Cat-Tran web site at <http://www.wcu.edu/cattran/> or call the Cat-Tran office at 828.227.8726 (TRAN).

#### Health Services

Routine medical care is provided by the University Health Center. General health care is provided free of charge through payment of the student health fee. The Health Center offers a comprehensive women's health clinic and a limited pharmacy program for students. There is a charge for these specialty services. Students enrolled in less than six hours may be subject to additional charges for special procedures and lab work.

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

The Center's medical staff include physicians, physician assistants, registered nurses, laboratory personnel, a nutritionist, and a wellness coordinator. The Health Center is located in the Bird Building where consultation hours are posted. For emergency referrals and health service information, please call 828-227-7640. In the event of medical emergencies, please dial 911.

A complete medical record is required of all students entering the university. Additional information for updating during the period of actual attendance may be requested. All students are required by North Carolina General Statute 130-A-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 for classes. Information concerning the immunization requirements is located on the University Health Center's Web site.

**Insurance.** Group medical insurance is available to students on a voluntary basis and may be obtained any time during the term. The university strongly recommends that students avail themselves of these coverages where appropriate or have coverage from some other source. 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.

Information concerning all insurance programs is available from the University Health Center, Bird Building, 828-227-7640.

**Counseling and Psychological Services.** The Counseling and Psychological Services Center provides free and confidential individual and group counseling, crisis counseling, assessment and referral services, outreach presentations and programs, and consultation and training services to the campus community. Appointments can be made by calling 828-227-7469, Bird Building (second floor).

## **Career Services and Cooperative Education**

**Career Services Office.** The Career Services Office offers career counseling and testing, cooperative education, and job search assistance.

**Educator Licensure Assistance.** All students and alumni seeking initial or subsequent education licensure will find assistance in the Office of Field Experience and Licensure in Killian Building, 828-227-7314.

## **Other Facilities and Services**

**Mail Service.** Students residing on campus are assigned a residence hall mailbox with their room assignment. All other students may rent a mailbox in the Cullowhee Post Office. U.S. postal regulations do not permit receipt of mail addressed as general delivery after an initial 30-day period. A postal commodity machine offering stamps, envelopes, post cards or aero grams, overseas services, and other features is located in the lobby of the A.K. Hinds University Center.

**Books and Supplies.** The WCU Bookstore offers students a wide variety of merchandise, including textbooks and course materials. WCU clothing and gift items are located at Catamount Clothing and Gifts in the University Center. An extensive selection of books is offered for class use and pleasure reading and books may be special-ordered if not in stock. All books for 500-, 600-, 700-, and 800-level courses are sold by the store. Books for graduate students taking courses numbered below 500 are sold by the book rental department located in the store. Graduation caps, gowns, invitations, and class rings also may be purchased at the bookstore. For more information visit the Web site at [www.wcubookstore.wcu.edu](http://www.wcubookstore.wcu.edu).

**Bank Services.** A branch office of Wachovia Bank and Trust Company is located in Cullowhee. ATM machines installed by State Employees Credit Union 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 State Employees Credit Union are located in or near Sylva.

**Schools for Elementary and High School Students.** Cullowhee Valley School, located near the campus in Cullowhee, is a Jackson County school, grades K-8. Smoky Mountain High School and Fairview Elementary School, also Jackson County Schools, are located on the Sylva highway about five miles from the university.

**Recreation and Fitness.** The facilities of Reid Health and Physical Education Building, including the Fitness Center, Breese Gymnasium, and A.K. Hinds University Center make possible a rich recreational program. Indoor and outdoor recreation includes tennis, volleyball, basketball, swimming, handball, softball, badminton, racquetball, table tennis, and kayak rolling.

The Fitness Center provides Cybex Circuit Selectorized equipment and a free weight room for strength training along with a complete line of cardiovascular equipment. Also provided by the Fitness Center are programs and activities such as land and water aerobics, personal training, body composition analysis and a variety of fitness related programs offered throughout the year.

Cullowhee's location offers excellent opportunities for hiking, whitewater rafting, fishing, skiing, hunting, golfing, boating, and camping. Students may easily visit the Great Smoky Mountains National Park, Blue Ridge Parkway, and other nearby places of interest.

**Wellness Program.** The goal of the Wellness Program is to provide students, faculty, and staff a positive and healthy environment in which to live and grow. The program provides services on health and wellness issues, including health presentations; resources to help individuals with projects and personal issues; a wellness resource library; and events centered on national awareness topics such as fitness, nutrition, AIDS, and alcohol. For further information, call 828-227-7640.

### **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, e-mail stations and fax service. 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).

### **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, former U.S. Sen. Bob Dole, Danny Glover and Nobel Peace Prize-winner Lech Walesa, in addition to numerous other company 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](http://ramsey.wcu.edu).

## **GRADUATE STUDY AT WESTERN CAROLINA UNIVERSITY**

Graduate study is a personal experience, and the selection of a graduate school is one of the most important decisions a student is called upon to make. At Western Carolina University, graduate study is characterized by small classes, personal interaction with faculty members, and a pleasant atmosphere conducive to the pursuit of individual educational goals.

Western Carolina University is a state-supported coeducational institution with a student body of almost 8,400, of which over 1,600 are graduate students. Including its credit and noncredit instructional courses, continuing education offerings, and workshop, conference, and service programs, the university serves more than 12,000 persons each year. The Graduate School offers programs leading to 15 master's degrees in over 50 professional and academic areas and the Education Specialist degree and the Doctor of Education degree.

The Graduate School provides programs to prepare members of the teaching profession for licensure at the master's and sixth-year levels, to prepare persons to teach in higher education, and to meet the needs of persons working in or preparing to work in other occupations and professions. A student interested in any of the following programs should request additional information from the Graduate School or the head of the appropriate department: accountancy, art, biology, business administration, chemistry, college student personnel, communication sciences and disorders, construction management, counseling, educational leadership, educational supervision, elementary education, engineering technology, English, entrepreneurship, health sciences, history, human resources, mathematics, middle grades education, music, nursing, physical therapy, project management, psychology, public affairs, reading, school administration, social work, or special education.

The university operates on a semester system, with two semesters making up the regular academic year. In addition, a summer term offers a wide variety of courses for both graduates and undergraduates.

Further information may be obtained by writing the Graduate School, Western Carolina University, 440 H.F. Robinson Administration Building, Cullowhee, North Carolina 28723-9022, or by telephoning 828-227-7398 or 800-369-9854.

### **Western Carolina University Programs in Asheville**

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

The graduate programs offered in Asheville include: accountancy (MAc); business administration (MBA); college student personnel (MAEd); 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 would complete the first two years of liberal studies and science prerequisites at a local institution, the junior year of study on the Cullowhee campus, and the senior year of study in Asheville. Registered nurses who are graduates of an associate degree or diploma program can complete all remaining requirements for the bachelor's degree in Asheville and online. Also, through an inter-institutional partnership with Asheville-Buncombe Technical Community College, most of the course requirements for a bachelor of science degree in birth-kindergarten and engineering technology are offered. Upper-level course work in criminal justice and special education are 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/wcuasheville](http://www.wcu.edu/wcuasheville).

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.

### Research and Service Facilities

**Division of Educational Outreach.** The Division's primary mission is education outreach. As the instructional outreach unit of the University, the Division of Educational Outreach extends educational options regionally, statewide, nationally and internationally using a variety of educational delivery systems and formats. A wide range of degree programs are now available through distance learning, including a number of online degree programs.

The Division manages the Cherokee Center and the University Summer School, which includes a two-week minimester program, two summer session programs of five weeks, a combined ten week program and a variety of specialty and travel programs. The Division offers noncredit workshops, seminars and professional development programs and hosts a number of conferences on an ongoing basis.

To obtain information or to be placed on a mailing list call 828-227-7397 or 800-928-4968, or visit us at <http://edoutreach.wcu.edu>.

**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. It is administered by Western Carolina University. Thirty-four colleges and universities are currently members of the consortium that helps to support the station, but faculty and students are drawn from throughout the country.

The station is located on the crest of the Blue Ridge Mountains about 30 miles southwest 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 habitats and organisms of the Southern Appalachians. The station offers six two-week courses each summer at the advanced undergraduate/graduate level. It also offers a fall semester-in-residence program in cooperation with the Carolina Environmental Program at UNC-Chapel Hill. 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 research on the biota of the region.

Further information is available from the Executive Director, Highlands Biological Station, PO Box 580, Highlands, North Carolina 28741; 828-526-2602; [www.wcu.edu/hbs](http://www.wcu.edu/hbs).

### Hunter Library

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

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

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

**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
- *Faculty Forum* <<http://facctr.wcu.edu/forum.html>>, a monthly publication featuring evocative opinion pieces of WCU faculty
  - *MountainRise*, an eJournal on the scholarship of teaching and learning

- Renaissance of Teaching and Learning Booklet Series published each semester
- a lending library of professional literature on college teaching that is located in Hunter Library 240

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

**University Writing Center.** The UWC recognizes the specific needs of graduate students, including the needs of graduate students for whom English is a second language. Trained graduate assistants work one-on-one to assist their fellow students across the curriculum with any aspect of graduate level composition or research. Visit the center's Web site at [www.wcu.edu/writingcenter](http://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 or visit the center in Hunter Library.

**Center for Regional Development.** Western Carolina University's Center for Regional Development (CRD) 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.

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

**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 programs; 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. The office also assists the Host Family Association, the International Club, and the sponsorship of the annual International Festival and International Education Week.

**Mountain Aquaculture Research Center.** The center was established within the College of Arts and Sciences at WCU in 1988. Its mandate is to foster biotechnologically based research to support the economic sustainability of the aquaculture industry in Western North Carolina. Facilities include an office, an analytical laboratory, on-campus fish-rearing laboratories utilizing biofiltered recirculated water and trout hatchery, and rearing facilities at the Lonesome Valley Aquaculture Research Station, Cashiers, North Carolina. Research activities of the center are of both a basic and an applied nature. They are conducted by the center personnel in collaboration with faculty and students (graduate and undergraduate) in the Departments of Biology and of Chemistry and Physics and also include collaborative research activities with the N.C. Wildlife Resources Commission, the N.C. Cooperative Extension Service, and the commercial trout industry. Areas of research interest include culture characteristics of allfemale and/or triploid rainbow and brook trout, identification of DNA markers associated with sex and other genetic traits of interest in commercial trout production as well as in fisheries management, study of the physiological responses of fish to stressors (thermal, pH, etc.), identification of biochemical measures and genetic markers associated with levels in these responses, and monitoring impact and control of fish farm effluents.

**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.

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

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

- 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

**Office of School Services.** The Office of School Services in the College of Education and Allied Professions works to coordinate university faculty and staff resources to assist local schools with the achievement of local and state education goals. The office disseminates information on services offered by the university, receives requests for assistance from school districts, and directs requests to the appropriate campus college, department, or unit. Reports of services provided by WCU are compiled annually.

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

**Reading Center.** In conjunction with university programs for the preparation and licensure of reading teachers and specialists, the Reading Center provides diagnostic and remedial services and reading improvement courses for children and college students. A resource room in the center provides literature, mathematics, social studies, and science materials, as well as teacher resources of all kinds. The staff provides consulting services, conducts workshops and conferences, and provides a variety of reading services for public schools in the area. The center is located in Killian Building on the campus in Cullowhee.

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

The central computing facility uses Compaq Alpha systems to handle core business processing and email. Core business processing on the Alphas includes student records, financial, and alumni systems from Systems and Computer Technology Corporation, and several applications developed by division staff. Email from off campus gets delivered through one of the Alpha systems. All students receive a WCU email account that allows them to communicate with their peers, faculty members, and university offices. The My Cat 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 80 hours per week. The lab located in Hunter Library is open 24 hours from Sunday afternoon through Friday night during fall and spring semesters. The IT division supports both Windows and Macintosh operating systems and various microcomputer application programs. Faculty, students, and staff may call IT Services at 227-7ITS (227-7487) if they need help with any IT services or resources.

Software programming languages on the central system include BASIC, C, FORTRAN, Pascal, COBOL, and MACRO, with Datatrieve and Focus as common report-retrieval languages. Other software that is centrally licensed, but with a limited number of licenses available, include SPSS

for Windows and Minitab for Windows. These statistical analysis programs are accessed over the campus network in student labs and computer classrooms. The University of North Carolina has a grant from SAS Institute that makes a wide range of SAS software available for faculty and student use, including at home use. For large research problems and special applications, faculty and students may access the computer resources of the North Carolina Supercomputing Center located in Research Triangle Park, North Carolina.

The campus network connects to the North Carolina Research and Education Network (NCREN), 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 EDU-CAUSE.

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

## **Centers and Institutes Affiliated with Research and Graduate Studies**

**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.

**Public Policy Institute.** The WCU Public Policy Institute promotes effective public policies for the region through research, reports, and conferences. Faculty interested in public policy may be selected as Faculty Fellows or Senior Faculty Fellows to work on projects in the Public Policy Institute.

**Center for International Research and Policy.** The mission of the center is to advance the science and art of applied research and creative, collaborative problem solving through free exchange of ideas across professional disciplines, cultures, and countries.

## FEES, EXPENSES, AND FINANCIAL AID

The following is a schedule of fees per semester. Tuition rates are reviewed and set annually by the North Carolina legislature. At this time, tuition and fees for the 2006-2007 school year have not been approved and the schedule of fees represents estimated rates. These rates are likely to change with final approval and should be used as an estimate when figuring your expenses for 2006-2007. The University reserves the right to alter any charges without prior notice.

### Fees Per Semester

#### 1. Full-time Graduate Student

Tuition and required fees, North Carolina	\$2,298.00
Tuition and required fees, out-of-state	\$7,090.50

#### RESIDENCE HALLS

Standard Residence Hall	
Single room	\$2,116.00
Double room	\$1,330.00
Robertson Apartments (married housing)	
Efficiencies	\$2,406.00
One bedroom apartments	\$2,499.00
Madison Hall (graduate housing)	\$2,262.00

#### MEAL PLANS

80 All-you-care-to-eat meals per semester plus \$640 declining balance	\$1,100.00
Declining Balance (Upper classman)	\$900.00
Declining Balance-The Village	\$795.00
80 All-you-care-to-eat meals per semester plus \$815 Declining Balance	\$1,275.00

#### PER SEMESTER CHARGES DETAIL

Full-time Student	North Carolina Graduate	Out-of-state Graduate
Tuition	\$1,086.50	\$5,879.00
*Required Fees	\$1,211.50	\$1,211.50
**Book Rental Fee	-	-
***Room (standard double)	\$1,330.00	\$1,330.00
****Board (declining balance) Upper Classman	\$ 900.00	\$ 900.00
<b>TOTALS</b>	<b>\$4,528.00</b>	<b>\$9,320.50</b>

\* Required fees include: Health Services, \$103.00; Recreational and Cultural, \$208.00; Athletics, \$235; Athletic Facilities, \$50.50; Documents Fee, \$5.00; Education and Technology, \$146.50; ASG, \$.50¢; Student Recreation Center, \$64.00; Transportation Fee, \$22.50; Administrative Computing, \$26.00; University Center, \$52.50; Health Insurance, \$298.00 (Nonrefundable. Required by full-time students only. May be waived by verifying coverage at [www.studentinsurance.com](http://www.studentinsurance.com))

\*\* Textbooks are available to graduate students by purchase only.

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

\*\*\*\* The all-you-care-to-eat meal plans combine an All You Care To Eat program located at 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.

Western Carolina University is a publicly supported institution. Tuition payments and other required fees meet only a part of the total cost of the education of students enrolled. On the average, for each full-time student enrolled in an institution of The University of North Carolina, the State of North Carolina appropriates \$9,021.00 per year in public funds to support the educational programs offered.

## **Dining Services**

### **Meal Plan Requirement**

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

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

### **Block Plan Meals**

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

### **Declining Balance Points**

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

### **ID Card**

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

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

## **MEAL PLANS**

### **Premium Declining Balance**

Available to all students

**\$1005.00 per semester**



**Standard Declining Balance** **\$900.00 per semester**  
 Available to sophomores, juniors,  
 seniors and graduate students based  
 on credit hours

**Village Declining Balance** **\$795.00 per semester\*\*\***  
 Available to Village residents only  
 regardless of credit hours

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

**Premium 80 Block Plan** **\$1275.00 per semester**  
 80 "All you care to eat" meals  
 + \$815 Declining Balance Points  
 (Available to all students)

**Standard 80 Block Plan** **\$1100.00 per semester**  
 80 "All you care to eat" meals  
 + \$640 Declining Balance Point  
 (Available to all students)

**II. Part-time Graduate Student**  
 (8 or fewer hours)

Semester Hours Enrolled	North Carolina Student	Out-of-State Student
1	\$ 335.58	\$ 1,534.08
2	399.53	1,598.03
3	735.10	3,132.10
4	799.05	3,196.05
5	863.00	3,260.00
6	1,198.58	4,793.58
7	1,262.53	4,857.53
8	1,326.48	4,921.48

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

**III. Asheville Student**

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

**IV. Other Fees**

Application fee.....	\$40
Graduation fee .....	\$30
Cap, gown, and hood.....	obtained through WCU Bookstore
Late registration fee .....	\$10

Certain courses in some fields require laboratory or materials fees in addition to the costs listed in this section. Textbooks are available to graduate students by purchase only.

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

**Late Registration.** With approved reason for delay, a student may register for classes after the regular registration date with the payment of a late registration fee. Students entering late must show satisfactory reason and obtain approval from the Dean of Research and Graduate Studies, who reserves the right to reduce the number of hours for which a late entrant may register.

**Textbooks.** Graduate students must purchase all textbooks regardless of course level. Textbooks for courses numbered 500 and above are available for purchase at the WCU Bookstore. Textbooks for courses numbered below 500 are available for purchase in the Book Rental Department of the WCU Bookstore.

### **Withdrawal**

Students who withdraw from one or more courses during a term, but who remain enrolled in the university, must follow the procedures published in the master class schedule booklet in order to be officially removed from the class rolls. Grading policies applicable in the event of withdrawal are stated in the Academic Regulations section of this catalog.

Students withdrawing from the university during a term must secure a withdrawal form from the One Stop Student Service Center, obtain the necessary signatures, and return the form to the One Stop Student Service Center. If an emergency prevents a student from completing the withdrawal process before leaving the campus, the student should call, write, or arrange for a relative to contact the Advising Center at 828-227-7170.

Students who interrupt or terminate their education at the university during or at the end of a term for any reason are responsible for clearing any indebtedness in the following areas: residential living, bookstore, financial aid office, cashier's office, library, university police department, academic departments, and health services.

### **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 he/she is enrolled, will be entitled to a full refund of tuition and fees. Refunds of room and board charges will be prorated based on the number of days the dormitory room was occupied and the meal ticket was used. Students having the declining balance meal plan will be refunded the actual account balance at the time of withdrawal.

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

**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 the first day of class or after are eligible for refunds through the first 50 percent of the summer terms. The refund prorations for summer school are available from the Student Accounts office.

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

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

Meal tickets refunds for standard 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. Requests for exceptions should be submitted to the Refund Appeals Committee, One Stop Student Service Center. Approved exceptions for refunds or account adjustments will be forwarded to the Student Accounts Office to make final settlement of the student's account.

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

### **Graduate Assistantships**

Teaching, research, and professional development assistantships are available to a limited number of well-qualified graduate students. Graduate assistantship application forms are available at [www.westerngrad.com](http://www.westerngrad.com). Applicants for graduate study who wish to be considered for such assistantships should complete an application form and submit it to the Graduate School. In addition, the applicant may want to address a letter of application to the head of the intended major department or attach a letter to the application form. Consideration for possible appointment to an assistantship can then be given after a decision has been made concerning admission to graduate study. Stipends vary from approximately \$6,000 to \$10,500, based on a 20-hour per week work assignment. The in-state and/or out-of-state portion of tuition may be waived for some, but not all, of these assistantships. In order to receive a waiver, a student must have an assistantship.

Students receiving assistantships in the fall and spring semesters will be expected to be registered as full time students. Graduate students in their last semester of graduate study may take as few as six credit hours and maintain a graduate assistantship. Continuation of the appointment depends upon satisfactory performance of duties and upon satisfactory academic achievement (3.0 GPA on all graduate coursework attempted). In order to have a graduate assistantship, students must be admitted into a graduate program and must provide their Social Security card.

Students with a graduate assistantship in the summer session do not have to be registered for graduate coursework in the summer as long as they are making adequate progress toward their degree and are registered for the fall semester.

### **Chancellor's Fellowships**

A limited number of chancellor's fellowships are available to well-qualified graduate students each fall semester. The awards, based on merit, are intended to encourage and assist superior students in pursuing graduate studies in the minimum time possible. The value of each fellowship is \$6,000 per academic year and carries no work requirement. Students are required to be registered for a

minimum of nine semester hours each semester. Application deadline is April 15. Forms are available from the Graduate School.

### **Graduate School Study Grants**

Each semester the Graduate School awards a number of Graduate School study grants. These grants are designed to support well-qualified graduate students by paying \$300 per semester. Students must register for a minimum of three semester hours. There is no work requirement and the awards are made on the basis of merit as reflected by the student's application file. Application deadline is May 15 for fall semester and November 15 for spring semester. Forms are available from the Graduate School.

### **Morrill Family Fund for Research in Education**

Established by Maurice B. and Anna C. Morrill, this fund is to help provide and promote desirable research relating to the improvement of teaching at any educational level. The purpose is to enhance abilities of graduate students in education to produce and use quality research. Application forms are available in the Office of the Dean, College of Education and Allied Professions, 222 Killian; Office of Research and Graduate Studies, 440 H.F. Robinson Administration Building; all departmental offices, College of Education and Allied Professions; and Office for WCU Programs in Asheville, 120 Karpen Hall. Deadline is September 1.

### **The Otto H. Spilker Endowed Scholarship**

This scholarship is awarded to a graduate student in the Department of Health and Human Performance. Priority consideration is given to students studying to teach physical education. Contact the Physical Education Graduate Program coordinator.

### **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.

### **Financial Aid**

The university maintains an Office of Financial Aid. This office can furnish more detailed information concerning loans, work-study, and other work opportunities. The various types of aid are described in the undergraduate catalog, and a financial aid brochure is available upon request.

### **Veterans Assistance**

The university is approved for the training of Veterans Affairs benefit recipients. This institution is approved under the provisions of Title 38 United States Code, Chapter 36. Persons eligible and entitled under provisions of Chapters 30, 31, 32, 34, 35 and Section 901 and 903, and Title 10 United States Code, Chapters 106 and 107 may enroll in programs approved by the North Carolina States Approving Agency. All inquiries concerning veteran educational benefits should be addressed to the Veterans Affairs Certifying Office, Office of Registrar, Western Carolina University, Cullowhee, North Carolina 28723, or interested parties may call 828-227-7216.

### **Disability Services**

Western Carolina University is dedicated to providing reasonable accommodations necessary to students with disabilities. Academic accommodations supported by proper documentation 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.

### **Catamount Academic Tutoring Center**

The Catamount Academic Tutoring Center, located in 135 Killian Annex, is designed to ensure the

academic success of all Western Carolina University students by offering free peer tutoring, workshops, and other resources to improve learning. Tutors offer strategies for effective study and efficient time management, and they facilitate collaborative groups in which each student is involved with actively exploring and learning the material. Visit the CAT Center website (<http://www.wcu.edu/catcenter>) or call 828-227-2274 to schedule a tutoring session or to learn more about workshop offerings in areas such as Time Management, Note Taking, Goal Setting, and Exam Preparation.

### **Testing Services**

The Office of Professional Examinations, located in 135 Killian Annex, oversees administrations of the Graduate Record Examination (subject tests only), the Praxis Series, Scholastic Aptitude Test, ACT, Law School Admission Test, and the National Counselor Examination. Visit the website at <http://www.wcu.edu/catcenter/OPE.html> for registration and exam-preparation information.

For information about the Miller Analogies Test, College Level Examination Program (CLEP), Institutional SAT, Residual ACT, or the verbal portion of the SAT (for pre-nursing students), call 227-3264.

**GRE Workshops.** During fall and spring semesters, the Graduate School sponsors a free GRE preparation workshop for students who plan to apply for admission to a graduate degree program. The workshops are designed to help students prepare to take the three sections of the GRE General Test (verbal, quantitative, and analytical writing). For more information on workshop dates and to reserve a space in a workshop, contact the Office of Research and Graduate Studies at 828-227-7398.

### **Explanation of Out-of-State Tuition Rate**

North Carolina General Statute 116-143, 1-2-3 governs tuition status. Each student will be subject to the following:

To qualify for in-state tuition, a legal resident must have maintained his or her permanent domicile in North Carolina for at least twelve months immediately prior to his or her classification as a resident for tuition purposes. In order to be eligible for such classification, the individual must establish that his or her presence in the state during such twelve-month period was for purposes of maintaining a bona fide domicile rather than for purposes of mere temporary residence incident to enrollment in an institution of higher education.

Student residential classification, for purposes of applicable tuition rates, is required to be changed if, since original establishment of a student's current classification, the state of legal residence has changed.

Certain members of the armed services and their dependent relatives may be eligible to be charged less than the out-of-state tuition rate. Included among the requirements are that the member of the armed services and a relative claiming the benefit through a member be living together in North Carolina incident to the supporting member's active duty and that the applicant for the benefit qualify for academic admission at the pertinent institution.

A student currently classified as a nonresident for tuition purposes has the right to petition for a change in classification to that of resident if he or she claims that he or she is now and, for at least the twelve-month period immediately preceding the date of such petition, has been a legal resident of the state of North Carolina. If it is determined that in fact a legal residency has existed for the required twelve-month period, the effective date of change in applicable tuition rates shall be the next semester, quarter, or term following the date of change in facts which required the change in classification.

A student currently classified as a resident for tuition purposes has the obligation to petition for a change in classification to that of a nonresident if there is reasonable basis for believing that change in fact requires such a change in classification. Failure to fulfill this obligation may result in appropriate disciplinary action including, but not necessarily limited to, cancellation of enrollment.

If it is determined that in fact a student has become a nonresident, the effective date of change in applicable tuition rates shall be the next semester, quarter, or term following the date of change in facts which required the change in classification.

Copies of the applicable North Carolina law and regulations which govern such classification determinations are available in the Office of Admissions, Academic Services, Graduate School, and Office for Student Affairs for inspection upon request. The student is responsible for being familiar with these regulations.

**Waiver of Tuition for North Carolina Residents Aged 65.** Legal residents of North Carolina who have attained the age of 65 and who meet applicable admission standards may enroll on a tuition-free basis if space is available but must pay required fees. Further information is available from the registrar.

# ACADEMIC REGULATIONS

## Course and Grade Policies

Courses listed in this catalog are open to graduate students only. At least half of the credit hours applied toward a master's degree must be from courses numbered 600 and above. At least half of the credit hours applied toward the education specialist degree must be from courses numbered 700 and above. All of the credit hours applied toward a doctor of education degree must be from courses numbered 700 and above.

## Course Loads

The maximum full-time course load for graduate students is fifteen hours per semester. The minimum full-time load per semester is nine hours. The normal maximum load for graduate assistants is twelve hours per semester. Load limitations during summer school are listed in the Summer School Catalog.

Students employed full-time are limited to six hours per semester and twelve semester hours for the academic year. Any exceptions to these rules must be approved by the department and the dean of Research and Graduate Studies.

**Class Attendance.** Graduate students are expected to attend all class meetings. Specific attendance regulations are announced by the instructor.

## Grading System

The grades which may be assigned to graduate credit courses are as follows:

Grade	Interpretation	Quality Points		Grade	Interpretation	Quality Points	
		Per Hour				Per Hour	
A	Superior	4		W	Withdrawal	-	
B	Good	3		AU	Audit	-	
C	Passing	2		IP	Grade Pending	-	
F	Failure	0		S	Satisfactory	3	
I	Incomplete	-		U	Unsatisfactory	0	

**Incomplete Grades.** Instructors may give an incomplete grade when students are unable to complete a course for nonacademic reasons. An incomplete is not a satisfactory grade and may lead to an academic warning. All incomplete grades must be removed and a grade of A, B, C, F, S, or U must be submitted to the registrar by the last day of classes in the next semester, excluding the summer, an F being automatic if the student has not completed the coursework. A student may not register for the course again until the incomplete has been removed. All incomplete grades in courses taken as part of the degree program must be removed before graduation.

A grade of incomplete will be awarded only when there is a reasonable prospect that the student can pass the course by making up the work missed. The instructor is required to send to the department head a list of the conditions for removing the grade of incomplete. If the instructor is no longer in the employ of the university, the department head will remove the grade of incomplete upon completion of the stated requirements.

**Grade Pending.** An IP is assigned only for thesis research or similar courses to indicate that a grade is pending until the sequence of courses is completed. A grade of A, B, C, F, S, or U is then assigned to each course by the instructor.

**Satisfactory/Unsatisfactory Grading.** The use of S/U (pass/fail) grading is limited to selected courses in which standard or traditional grading is rendered difficult by the nature and purpose of the courses. The courses are identified in the master class schedule and in the course descriptions

in this catalog. S (satisfactory) and U (unsatisfactory) are the only grades assigned in courses approved for pass/fail grading.

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

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

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

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

If an emergency prevents a student from completing the withdrawal process before leaving the campus, the student should call, write, or arrange for a relative to contact the Advising Center at 828-227-7170.

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

**Audit.** A graduate student may audit a course if space is available and if prior permission of the instructor, the advisor, the head of the department offering the course, and the dean of Research and Graduate Studies has been obtained. A completed course audit form must be submitted. No credit is earned for auditing, but the audited course must not add hours in excess of the student’s maximum load. An auditor’s participation in class activities is optional with the instructor. Change



from audit to credit or from credit to audit is permissible only during the regular schedule change period. An audited course will be noted on the student's transcript.

**Final Grade Changes.** When a grade other than incomplete has been reported officially by an instructor at the end of a term, the grade will be recorded by the registrar and can be changed only if an error has been made in estimating or reporting the grade. The instructor will, with the approval of the department head, report the error in writing to his/her dean with a recommendation about the action to be taken. Only the instructor has the right to 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 within 30 days of the mailing of the final grade report.

**Grade Average for Graduation.** An average of B (3.0 GPA) is required for all graduate degrees. Grades received in all graduate courses will be included in the graduate cumulative average.

**Course Repeat Policy.** A graduate student may repeat any course one time with the approval of the advisor, department head, and dean of Research and Graduate Studies. The original grade earned in the repeated course remains on the student's transcript and is calculated in the student's cumulative average.

**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. Requests for transcripts should be addressed to the registrar. The university's recommendation for teacher certification will be accompanied by a transcript. There is no charge for transcripts issued.

**Academic Honesty Policy.** Western Carolina University, as 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:

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

The procedures for cases involving allegations of academic dishonesty are:

1. Instructors have the right to determine the appropriate sanction or sanctions for academic dishonesty within their courses up to and including a final grade of "F" in the course. Within 5 calendar days of the event the instructor will inform his/her department head, and the Associate Dean of the Graduate School when the student is a graduate student, in writing of the academic dishonesty charge and sanction.
2. The department head or graduate program director will meet with the student to inform him/her orally and in writing of the charge and the sanction imposed by the instructor within 10 calendar days of written notice from the instructor. Prior to this meeting, the department head will contact the Office of Student Judicial Affairs to establish if the student has any record of a prior academic dishonesty offense. If there is a record of a prior academic dishonesty offense, the matter must be referred directly to the Office of Student Judicial Affairs. In instances where a program does not have a department head

or graduate program director, the Dean or Associate Dean of the college will assume the duties of department head for cases of academic dishonesty.

3. If the case is a first offense, the student can choose to accept the charge and sanction from the instructor by signing a Mutual Agreement with the department head or graduate program director or can choose to have a hearing with the Academic Integrity Board. Within 10 calendar days of the meeting with the student, the department head or graduate program director will 1) report the student's choice of action in writing to the Office of Student Judicial Affairs, 2) file a copy of the Mutual Agreement (when applicable) with the Office of Judicial Affairs, and 3) inform the student of the sanction or sanctions to be imposed under the Mutual Agreement or inform the student of the procedure for requesting a hearing with the Academic Integrity Board if the Mutual Agreement is not accepted. Mutual Agreements are final agreements not subject to further review or appeal.
4. In instances of second offenses, or when the student chooses a hearing, the Office of Student Judicial Affairs will meet with the student to provide an orientation to the hearing process and to schedule a date no less than 10 and no more than 15 calendar days from the meeting for the hearing. The student can waive minimum notice of a hearing; however, extensions are at the sole discretion of the Office of Student Judicial Affairs. Should the student choose not to attend his/her orientation meeting, a hearing date will be assigned to the student.
5. The hearing procedures will follow the same format as stated in the Code of Student Conduct (Article V.A.5). The hearing body (Academic Integrity Board) will consist of 2 students from the Student Judicial Affairs Student Hearing Board and 3 faculty members. The faculty fellow for academic integrity will be one of the faculty members and will serve as the chair. The other two faculty members will be chosen by the Director of Student Judicial Affairs from a pool of eight faculty hearing officers. Each academic year, each college dean will appoint two faculty members from the college to comprise the pool of eight faculty hearing officers. Hearings will be held in a student's absence when a student fails to attend the hearing for any reason. The hearing body may impose any sanctions as outlined in Article V.B. in the Code of Student Conduct. Students given a sanction of probation for academic dishonesty will remain on probation at Western Carolina University until graduation.
6. Following a decision from the Academic Integrity Board, the Office of Judicial Affairs will inform the student of the sanction or sanctions to be imposed upon them and of their right to file an appeal with the University Academic Problems Committee. The appeal is limited to those rules and procedures expressly mentioned in the Code of Student Conduct (Article V.D.2) and is limited to the existing record. If the student does not file an appeal with the University Academic Problems Committee within 5 calendar days, the sanction or sanctions from the Academic Integrity Board will be imposed. The decision of the Academic Problems Committee may be appealed to the Vice Chancellor for Student Affairs. Any decision of the Vice Chancellor for Student Affairs may be appealed to the Chancellor.
7. Upon final resolution of a case involving suspension or expulsion, the Director of Student Judicial Affairs will inform the appropriate dean, department head, and the administrator in the One Stop Office who is responsible for University Withdrawals of the sanction.

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

**Academic Dismissal.** A student who accumulates three grades of C or any grade of F will automatically be dismissed from the Graduate School. A student who has been admitted provisionally and fails to meet the terms of the provisional admission will also be dismissed from the Graduate School. Once dismissed a student cannot register for graduate courses and may not be readmitted until the following spring or fall semester has elapsed. For readmission to the Graduate School, a student should petition in writing to the Dean of the Graduate School. A student may petition for

readmission to the Graduate School only one time following the academic dismissal. Approval for readmission may be accompanied by additional requirements. Upon readmission the student must meet all requirements under the catalog in effect at the time of his/her readmission. A readmitted student who receives any additional grade of C or lower will be permanently dismissed.

**Academic Appeal Procedure.** Students who feel they have been treated unjustly by an instructor in any matter pertaining to academic work should appeal by taking the following steps:

1. Appeal verbally to the instructor. An appeal concerning a final grade must be made within 35 days after the end of final exams.
2. If the matter is not resolved satisfactorily, appeal verbally to the instructor's department head.
3. If the matter is not resolved satisfactorily, appeal in writing to the dean of the Graduate School. If the appeal involves a grade, a written appeal must be received in the Graduate School within thirty days of the final conference with the department head. Students should be aware that only the instructor can change a grade. Within 30 days of receipt of the written appeal, the graduate dean convenes a committee comprised of two graduate faculty and one graduate student. This committee hears the student appeal, and makes a recommendation to the dean, who rules on the student appeal.
4. If the matter still cannot be resolved satisfactorily, the student may appeal to the provost, and finally to the chancellor.

A student who has been dismissed from the Graduate School for failure to meet the terms of provisional admission or for accumulation of excessive unsatisfactory grades will be notified by the dean of research and graduate studies. The student has two weeks from the date of the letter of notification of dismissal to appeal. The letter of appeal should be addressed to the dean of Research and Graduate Studies. The appeal will be considered by the Graduate Council, who will make a recommendation to the dean of Research and Graduate Studies. The student will be notified of the outcome of the appeal by the dean. If, after appealing to the graduate dean, the student is still dissatisfied or suitable action has not been taken, the student may appeal to the provost, and finally to the chancellor.

## Credit Policies

**Residence Requirement.** At least 24 semester hours of a student's work toward a degree must be earned in resident credit courses. All graduate programs in teacher education require a period of full-time resident study of at least one academic semester or one complete summer session. In lieu of resident study, the requirements may be met through an off-campus period of study that is equivalent to one semester or one complete summer session of work. The offcampus study must involve an organized group of graduate students pursuing a specific graduate program under the supervision and instruction of regular Western Carolina University graduate faculty.

**Transfer Credit. Policies regarding transfer credit vary according to the graduate program.** Based on the sliding scale below (total number of hours in the graduate program) graduate students may transfer in hours (with a grade of B or better) with approval of the Program Director.

- 30-39 hours (up to 6 hours)
- 40-49 hours (up to 9 hours)
- 50+ hours (up to 12 hours)

Students must transfer credit from both special and nondegree status if they intend to count such credit toward their degree. Depending on the graduate program, students may transfer six to twelve semester hours of graduate credit earned at WCU with grades of B or better from special or non-degree status. Students should consult with the academic advisor to determine the specific number of transfer hours allowed in a program. Up to 9 hours (with a six year time limit) may be counted in meeting the requirements in two different graduate programs and degree programs. Requests for transfer of credit already earned are made as soon as is feasible when the student is accepted into degree status. Forms for the transfer of credit are available from the Graduate School. Courses ac-

cepted for transfer credit must (1) be appropriate to the student's program and be approved by the student's advisor, (2) be completed within the six-year limit for course work applicable toward the degree, and (3) have been offered by a regionally accredited institution for graduate credit.

Graduate students who have been admitted to Graduate School may enroll at other regionally accredited graduate-level institutions for coursework which is applicable to their programs provided they have obtained advance permission from their advisor(s) and the dean of Research and Graduate Studies. Forms are available from the Graduate School. Such course work cannot exceed the six-hour maximum for transfer credit. Students should note that while courses may be transferred into a degree program, grades earned at other institutions are not transferred and therefore are not counted toward a student's GPA.

**Experiential Credit.** The university does not grant graduate academic credit for the life experiences of students. A policy has been established to award credit, up to a maximum of twenty percent of a graduate degree, for experiential courses. Experiential courses have been defined by the university as structured, preplanned, experiential-learning opportunities for which credit toward a degree may be earned through regular enrollment in established university courses. Experiential courses are required by some, but not by all, graduate programs.

**External Instruction Courses.** Western Carolina University has 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 programs, practical training, independent study, and open-circuit televised instruction which meet the following guidelines:

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 licensure 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 assigned credit proportionate to the amount of instructor involvement and control (assigned 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.

**Continuing Education Units (CEU) Credit.** Courses in which CEUs are earned are not accepted for undergraduate or graduate credit, and regular credit courses offered by the university are not available for CEU credit. Students interested in CEUs should contact the Division of Distance and Continuing Education for information about special programs and courses suited to their needs.

**Time Limitation.** Work to be applied toward any master's or education specialist degree must have been completed within six years immediately preceding the completion of requirements for the degree. Graduate credits to be accepted in transfer must have been earned within the six-year period. Students in the Ed.D. program must complete all degree requirements within five years of admission to candidacy. Any extension of time beyond these limits must have the approval of the student's advisor, the head of the department of the student's major, and the dean of Research and Graduate Studies.

### **In-Service Education Program**

The university provides graduate courses in a number of locations throughout the state so that students may continue their studies and at the same time carry out job-related responsibilities. Within specified limits, credit earned in these courses may be included in programs of study leading to many of the degrees offered by the Graduate School. Students planning to register for in-service courses should consult with their advisors, the department heads, or the Graduate School to ascer-

tain if the courses are approved for inclusion in a program of study for a graduate degree. No student will be allowed to count more than six semester hours of extension credit toward a degree.

## **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 One Stop Student Service Center in writing within five working days from the first day of classes for the fall term, or by the first day of classes for subsequent terms. Students are warned, however, prior to making a decision to withhold personally-identifiable data, that undesirable consequences frequently occur, such as names of students on the Deans' List are not published, names are not listed in commencement bulletins, and requests from prospective employers are denied. Forms are available at the One Stop Student Service Center and on the Web at [registrar.wcu.edu/forms](http://registrar.wcu.edu/forms).

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

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

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

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

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

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

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

### **Standards of Conduct**

The university is committed to developing and maintaining the highest standards of scholarship and conduct. Therefore, all students are subject to the rules and regulations of the university. In accepting admission to Graduate School, students indicate their willingness to abide by university rules and regulations and acknowledge the right of the university to take appropriate disciplinary action, including suspension and/or expulsion, as may be deemed appropriate, for failure to abide by university rules and regulations. Rules related to student conduct and procedures for the resolution of cases may be found in the Code of Student Conduct available in the Student Handbook or on the World Wide Web at [www.wcu.edu/studenthomepage/handbook](http://www.wcu.edu/studenthomepage/handbook).

Students registered in the Graduate School at Western Carolina University may not be enrolled simultaneously at another institution except in the case of transfer of credit or guest matriculant, which must be approved in advance by the dean of Research and Graduate Studies. Failure to comply with this policy may result in dismissal from the Graduate School.

### **Code of Ethics**

Graduate students are expected to be familiar with and to adhere to the professional and ethical guidelines appropriate to their area of study. Failure at any time to adhere to the guidelines may result in immediate dismissal from the Graduate School.

### **Policy on Illegal Drugs**

#### **I. Purpose**

Western Carolina University is an academic community dedicated to the transmission and advancement of knowledge and understanding. The Board of Trustees is committed to the maintenance and protection of an environment in which students and faculty members may responsibly pursue these goals through teaching, learning, research, discussion, and

publication, free from internal or external restraints that would unreasonably restrict their academic endeavors. Moreover, it is the obligation of all members of the university community—faculty, students, administrators, and other employees—to help maintain an environment where academic freedom flourishes and in which the rights of each member of the academic community are respected. The illegal use of and trafficking in drugs can jeopardize the welfare of members of this academic community. Accordingly, in an effort to responsibly address such threats to the integrity of the academic environment, the Board of Trustees adopts this policy.

## **II. Applicable Policies, Practices, and Programs**

### **A. Education, Prevention, Counseling, and Rehabilitation**

1. Just as the primary purpose of Western Carolina University is education, so also the university's major effort to address drug abuse should be educational in nature. The university shall maintain a comprehensive drug education program available to all members of the academic community (students, faculty, administration, and staff). The activities of the program shall be the responsibility of the Drug and Alcohol Education Task Force cochaired by the University addictions 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 methaqualine), any student shall be expelled and any faculty member, administrator, or other employee shall be discharged.
- B. For a first offense involving the illegal manufacture, sale or delivery, or possession with intent to manufacture, sell, or deliver, of any controlled substance identified in Schedules III through VI, North Carolina General Statutes 90-91 through 90-94 (including but not limited to marijuana, pentobarbital, codeine), the minimum penalty shall be suspension from enrollment or from employment for a period of at least one semester or its equivalent. For a second offense, any student shall be expelled and any faculty member, administrator, or other employee shall be discharged.

### **IV. Illegal Possession of Drugs**

- A. For a first offense involving the illegal possession of any controlled substance identified in Schedule I, N.C. General Statutes 90-89, or Schedule II, N.C. General Statutes 90-90, the minimum penalty shall be suspension from enrollment or from employment for a period of at least one semester or its equivalent.
- B. For a first offense involving the illegal possession of any controlled substance identified in Schedules III through VI, North Carolina General Statutes 90-91 through 90-94, the minimum penalty shall be probation, for a period to be determined on a case-by-case basis. A person on probation must agree to participate in a drug education and counseling program, consent to regular drug testing, and accept such other conditions and restrictions, including a program of community service, as the chancellor or the chancellor's designee deems appropriate. Refusal or failure to abide by the terms of probation shall result in suspension from enrollment or from employment for any unexpired balance of the prescribed period of probation.
- C. For second or other subsequent offenses involving the illegal possession of controlled substances, progressively more severe penalties shall be imposed, including expulsion of the students and discharge of faculty members, administrators, or other employees.

### **V. Suspension Pending Final Disposition**

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

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

- A. As a condition of employment, an employee must abide by the terms of this policy and must notify his immediate supervisor at Western Carolina University of any criminal drug conviction occurring in the workplace no later than five days after that conviction.
- B. Western Carolina University will notify federal granting or contracting agencies within ten days after receiving notice that an employee directly engaged in a grant or contract has been convicted of a drug offense in the workplace.
- C. Western Carolina University will impose sanctions and/or require satisfactory participation in drug abuse or rehabilitation programs by an employee convicted of a drug-related violation in the workplace no later than thirty days after notice of said conviction.



\* Rules of the State Personnel Commission govern disciplinary actions that may be taken against SPA employees; under current Commission policies, discharge rather than suspension is the applicable penalty for SPA employees in instances where this policy otherwise requires suspension.

### **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>.

# ADMISSIONS AND DEGREE REQUIREMENTS

## Admissions

The dean of Research and Graduate Studies is responsible for the admission of all graduate students. All students taking graduate courses, whether for credit, noncredit, or audit, must make formal application to the Graduate School prior to enrolling in any graduate course work.

All applications and inquiries should be addressed to:

Research and Graduate Studies  
440 H.F. Robinson Administration Building  
Western Carolina University  
Cullowhee, NC 28723-9022  
Telephone: 828-227-7398 or 800-369-9854

The Graduate School welcomes the applications of students without regard to race, color, national origin, religion, sex, age, sexual orientation, or disability. Applicants must possess the interest and maturity necessary for graduate study. In addition to the stated objective criteria described in the application procedure (e.g., letters of recommendation, official test scores, official transcripts, etc.), the dean of Research and Graduate Studies reserves the right to determine, from other appropriate information, whether an applicant will be a suitable candidate for a graduate degree.

The specific requirements for the various degree programs offered are outlined in subsequent sections of this catalog. All prospective applicants are urged to study these requirements carefully prior to initiating an application for acceptance to the Graduate School.

**Application Procedure.** All applicants to graduate studies at WCU are required to complete a self-managed application packet prior to admission. The self-managed application places the responsibility on the student to obtain all the necessary materials. You should submit the following in a single envelope:

- The completed application for admission.
- The completed application for a graduate assistantship (if you are planning to enroll as a full-time student).
- Official copies of transcripts from all colleges/universities attended.
- Required test scores for your chosen program. You may request the Educational Testing Service (ETS) to forward these scores directly to the Graduate School or you may enclose official scores in an unopened, ETS-sealed envelope.
- Letters of recommendation (required for most programs). These should be prepared by former instructors/employers who are in a position to judge your aptitude for graduate study. Please consult the Graduate Catalog to determine specific program requirements.
- Other forms that may be required for your chosen program. (You can access The Record, Western's Graduate Catalog, and link to the home pages of all graduate programs for additional program information at [www.wcu.edu](http://www.wcu.edu))
- The nonrefundable \$40.00 application fee.

The completed application and all credentials should be received by the Graduate School not later than one week prior to the opening of the term for which admission is desired; with the exception of international students, whose applications must be received by these deadlines: April 1 for Fall term and September 1 for Spring term. Application may be made as early as one year preceding the semester of entrance. All materials submitted, including transcripts, become the property of the university and cannot be forwarded or returned. The following programs have application deadlines:

Communication Sciences and Disorders	February 1*
Counseling (School and Community)	February 1
Nursing	February 1*
Physical Therapy	February 1*
Psychology (Clinical and School)	February 1*

\*The initial deadline for applications is February 1 and students who submit completed applications by that date will be given preference. If openings are available after the February 1 date, students submitting late applications will be considered accordingly.

All elements of the admissions process must be completed by the application deadline. Some programs require an interview. Applicants should contact the department of their intended major to determine if an interview is required.

Any student that is inactive for one semester (not counting summer term) must RE-ENROLL. No application fee is required.

Any student inactive for one full year or more (example: fall semester, spring semester, and summer school) must file a new application for admission (RE-APPLY) and be reevaluated for admission prior to resuming study. An application fee of \$40.00 is required.

Any student that receives a master's degree from Western Carolina University and elects to do an additional graduate degree will not be required to pay the application fee.

**Program Changes.** Admission to one degree program does not guarantee admission to another degree program. A student may not be admitted to more than one program at the same time.

Students requesting to change programs, licensures, or degree objectives, after having been accepted into a program of study, must file a new application for admission to the new program, licensure, or degree. For students wishing to change programs within a department, student request forms, available from the Graduate School, may be used rather than a new application. The student is subject to the standards, rules, and requirements in force in the new course of study at the time of admission to the new program.

## Admission Requirements

All applicants for admission to the Graduate School must hold a bachelor's degree from a regionally accredited college or university and must have an undergraduate background appropriate for graduate study in the proposed field. An applicant may be required to take additional coursework to strengthen the undergraduate background. To qualify for Regular Admission to the Graduate School, a student must have earned an overall grade point average of 3.0 on a 4.0 scale for the last 60 hours of undergraduate work, or a 2.85 on a 4.0 scale cumulatively. Applicants for the Ed.S. and Ed.D. degrees must hold a master's degree in the approved field from a regionally accredited college or university.

Each student's application must be approved by the department(s) in which the student proposes to major.

Graduate students are required to have access to technology that meets the University computer requirements.

## Categories of Admission

Persons applying for admission to the Graduate School, if accepted, may be admitted in one of several categories as described below:

**Regular Admission.** Students with a complete application file, who meet the established requirements for admission to the Graduate School and their degree programs, are granted Regular Admission. To qualify for Regular Admission, a student must have earned an overall grade point average of 3.0 on a 4.0 scale for the last 60 hours of undergraduate work, or a 2.85 on a 4.0 scale cumulatively. An applicant with a graduate degree does not have to meet the undergraduate grade point average requirement. A completed application file includes official transcripts and the items required by the student's program of interest.

**Regular Admission (with Conditions).** A student who lacks course prerequisites for admission, but is otherwise qualified for Regular Admission may be granted Regular Admission (with Conditions). Before the semester begins, all conditions must be met.

**Provisional Admission.** Applicants with a complete application file who do not meet the formal requirements for Regular Admission may be granted Provisional Admission to a degree program. To move from Provisional Admission to Regular Admission, part-time students must earn at least a 3.0 GPA in their first nine semester hours of completed graduate credit; full-time students must earn at least a 3.0 GPA in their first term of full-time graduate study (nine hours or more of completed graduate level coursework). If provisionally admitted students fail to meet the requirements as stated in their letter of acceptance, the offer of admission to the Graduate School will be withdrawn.

**Provisional Admission (with Conditions).** A student who qualifies for Provisional Admission but lacks the course prerequisites may be granted Provisional Admission (with Conditions). Before the semester begins, all admission requirements must be met.

**Temporary Admission.** Some graduate programs allow promising students to take courses for one semester while they are completing their application file. To gain Temporary Admission, the student must provide evidence of holding a bachelor's degree by submitting with his or her application an unofficial transcript from a regionally accredited institution. By the end of the semester, the student who wishes to continue taking graduate courses must complete his/her application file and request a change of admission status using the appropriate Graduate School form.

**Nondegree Admission.** Some programs allow students who wish to take one or more graduate courses for self-improvement, teacher licensure, or exploration of graduate degree program offerings to be granted Nondegree Admission. Such students must show evidence that they hold a bachelor's degree by submitting an unofficial transcript from a regionally accredited institution. Persons granted nondegree status that later decide to work toward a degree must petition for regular admission. Nondegree students may request to become degree students by submitting the appropriate Graduate School form and all documents required by the program they wish to enter. Students should be aware that work completed in a special or nondegree status does not necessarily apply toward a degree, nor does being allowed to take courses imply acceptance into a degree program. If a student has taken courses in a special or nondegree status and later is formally admitted as a degree candidate, a maximum of twelve hours of the earlier coursework with grades of B or better may be transferred into a degree program. The student's advisor, department head, and graduate dean must approve such a transfer.

In order to qualify for a graduate assistantship, a graduate student must be admitted in either Regular Admission, Regular Admission (with Conditions), Provisional Admission, or Provisional Admissions (with Conditions) status prior to the start of the semester. Preference will be given to graduate students that have Regular Admission status.

**Guest Matriculant.** Students enrolled at other regionally accredited graduate schools may be admitted temporarily to take a limited number of graduate courses provided the deans of their graduate schools make the request for them in writing.

**Undergraduates.** Undergraduate students may not enroll in graduate-level courses for either undergraduate or graduate credit except those participating in the Four Plus One Program. Selected seniors may petition in writing to take courses at the 500 or 600 level only if they meet the eligibility requirements of the Graduate School. Enrollment must be approved in advance of registration, and an approved application must be on file in the Graduate School where application forms and information about eligibility are available. If the application is approved, the senior will be expected to meet the same requirements for credit that apply to graduate students regardless of other conditions that may be specified.

**International Students.** International students are granted regular, provisional, special, nondegree, or guest matriculant admission to the Graduate School as appropriate in each case. Western Carolina University is authorized under Federal law to enroll non-immigrant students. In addition to the application form, application processing fee, test scores, letters of recommendation, and transcripts as specified for each program, international students must also submit a chronological listing of all formal education—naming certificates, diplomas, degrees, and other documentary forms of educational attainment. International applicants also must submit a mini-

minimum score of 550 (paper-based) or 213 (computer-based) on the Test of English as a Foreign Language (TOEFL) and provide a statement of financial responsibility. It is expected that international students will not begin graduate study until the admission process is completed and the student has met all admission conditions except prerequisite coursework requirements, if any.

Since several months may be required to receive and process applications from abroad, international students are urged to submit complete information as early as possible.

Application deadlines for international students are as follows: April 1 for Fall Term and September 1 for Spring Term.

**The specific requirements for the various degree programs are outlined below. The major department also may require and consider other information such as recommendations, experience, and personal interviews.**

### **Master of Accountancy Degree**

To be eligible for consideration, applicants must present a satisfactory score on the Graduate Management Admission Test (GMAT) or the Graduate Record Examination (GRE). A minimum GMAT score of 450 is recommended. In addition, applicants must present an undergraduate GPA sufficient to meet formula requirements as follows:

200 times the undergraduate GPA plus the GMAT score must equal at least 950; or, 200 times the GPA for the last two years plus the GMAT score must equal at least 1000.

For students using the GRE, the admissions criteria are the same as the Graduate School. The program requires a minimum GPA of 2.75 on the last two years of coursework. Letters of recommendation or personal interviews may be requested.

### **Master of Arts and Master of Science Degrees**

Applicants for degrees in history, applied mathematics, biology, chemistry, English, and music must have an average grade of B or higher as defined by the major department in upper-level undergraduate courses in the major. For communication sciences and disorders, community counseling, human resources, and psychology, a B average calculated for the last two years overall is required. A personal interview may be requested by some departments. A writing sample (such as an undergraduate paper) is required for the M.A. in English. Applicants to the M.A. program in history are encouraged to submit a writing sample (such as undergraduate paper).

The General Test of the Graduate Record Examination is required for American history, applied mathematics, biology, chemistry, communication sciences and disorders, community counseling, English, human resources, music, psychology, and technology.

Applicants for the M.S. in technology must hold a bachelor's degree in an engineering, engineering technology, or industrial technology program with an average grade of B or higher as defined by the department in upper-level undergraduate courses in the major. Prerequisites for admission to the program for graduates of other curricula include a minimum of 16 hours of undergraduate work in four different technical areas. Students must demonstrate computer competency prior to completion of six semester hours of the program. Students who lack this experience must complete an advisor-approved computer class.

Three recommendations (forms are available from the Graduate School) from former instructors who are in a position to judge the applicant's aptitude for graduate study are required for all programs.

### **Master of Arts in Education Degrees**

Applicants for all M.A.Ed. programs must submit a satisfactory score on the General Test of the Graduate Record Examination. All programs require three recommendations from former instructors or employers who are in a position to judge the applicant's aptitude for graduate study.

Applicants must meet the requirements for admission based on the admissions test and an undergraduate grade point average for the last sixty hours of the baccalaureate program.

Applicants must hold or be eligible to hold a North Carolina Class A teaching license, or a comparable license from another state, in the chosen field unless admission is sought to certain programs in which licensure is not a factor.

Applicants for the M.A.Ed. in Comprehensive Education-English and in Two-Year College teaching English must submit a writing sample (such as an undergraduate paper).

Applicants for the MAEd in Comprehensive Education-Music must contact the Music Department to conduct an interview or schedule an audition.

Applicants for the M.A.Ed. in Educational Supervision (Curriculum-Instruction and Instructional Technology Specialist-Computer concentrations) must have one of their three letters of recommendation come from a building administrator familiar with the applicant's teaching; must successfully complete an interview and a spontaneous writing assignment; and must have at least three years of teaching experience prior to admission.

Applicants for the MAEd in Educational Supervision (International Studies concentration) may be required to provide a satisfactory score on the TOEFL and a satisfactory score on an examination similar to the Graduate Record Examination. They must also successfully complete an interview with program faculty.

### **Master of Arts in Teaching Degree**

Applicants must have a grade point average of B or higher on all upper-level undergraduate coursework and a satisfactory score on the GRE. Three letters of recommendation from persons who are in a position to judge the applicant's aptitude for graduate study and potential as a graduate-level classroom teacher are required. A personal interview is required.

Applicants for the MAT in Comprehensive Education concentration in Art must submit a letter of intent to the department head and a portfolio of their work. Applicants for the MAT in Comprehensive Education concentration in English must submit a writing sample (such as an undergraduate paper). Applicants for the MAT in Comprehensive Education concentration in Music must contact the Music Department to conduct an interview or schedule an audition.

In addition, candidates must have an undergraduate degree in the major of the concentration and must meet the prerequisite requirements of the department housing the concentration. Candidates with an undergraduate degree in a major other than the MAT concentration may not qualify for the MAT and are subject to prerequisite course requirements as determined by the faculty in the department of the concentration. Prerequisite requirements will vary by department and depend on the credentials presented by the candidate.

### **Master of Business Administration Degree**

To be eligible for consideration, applicants must present a satisfactory score on the Graduate Management Admission Test (GMAT) and an undergraduate GPA sufficient to meet formula requirements. Letters of recommendation and/or personal interviews may be requested.

In addition to meeting the formula requirements, the following foundation courses must be satisfactorily completed for full admission into the MBA program: MBA 500, 505, 510, 515, 520, 525. Applicants who have completed appropriate coursework at the undergraduate level, with a grade of B or higher within the last five years, may be eligible to substitute that coursework for some or all of the listed foundation courses.

In order to enroll in or audit 600-level courses in the College of Business, a student must be fully and unconditionally admitted to a graduate degree program.

## **Master of Construction Management Degree Program**

The Master of Construction Management degree program is an online, World Wide Web-based program designed primarily to assist those involved with managing construction projects. To be eligible for consideration, applicants must present a satisfactory score on either the Graduate Management Admissions Test (GMAT) or the Graduate Record Exam (GRE) and an undergraduate GPA sufficient to meet formula minimums for the Graduate School. Letters of recommendation are required; a current resume is required with the application; interviews may be requested. Computer literacy is a necessary prerequisite.

In addition to meeting the formula requirements, the following course prerequisites must be satisfactorily completed for admissions to the MCM program: PM 500, 505, and 515, or the equivalent. This prerequisite background may be obtained in the student's undergraduate coursework, or the courses may be taken online from WCU prior to starting 600-level graduate courses.

Students must be fully and unconditionally admitted to the MCM program in order to enroll in any 600-level CM courses.

## **Master of Education Degree Program**

Applicants for the M.Ed. in College Student Personnel must have an average grade of B or higher as defined by the major department in upper-level undergraduate courses in the major.

The General Test of the Graduate Record Examination is required.

Three recommendations (forms are available from the Graduate School) from former instructors who are in a position to judge the applicant's aptitude for graduate study are required.

A written statement of professional goals and interest in the College Student Personnel program and a personal interview are required.

### **Master of Entrepreneurship Degree Program**

The Master of Entrepreneurship program requires 30 semester hours consisting of ENT 601, 610, 620, 630, 640, 650, 660, 670, 675, and 682.

Admission Requirements: Applicants must present a minimum score of 400 on the Graduate Management Admission Test (GMAT), or an equivalent minimum score on the Graduate Records Examinations (GRE).

## **Master of Fine Arts in Fine Arts Degree**

The M.F.A. in Fine Arts is a terminal degree and requires 60 semester hours of graduate study. The M.F.A. will offer three options: (a) Two Dimensional Studio, (b) Three Dimensional Studio, and (c) Integrated Media Studio. Studio facility coordinators in each area will advise and manage student coursework towards completion of the degree.

**Admission Requirements.** All applicants must hold a bachelor's degree from an accredited college or university and have a minimum of 3.00 GPA in the major. They must have an undergraduate background appropriate for graduate study in the proposed field. They must have the equivalent of 18 credit hours of undergraduate art history/philosophy of art. They must have completed 50 credit hours of undergraduate studio, including 24 credit hours of concentrated study or equivalent portfolio-assessed experience. Candidates must commit to full-time study.

Candidates must provide within the application a minimum of two letters of recommendation from former instructors or professionals in the field, a letter of intent expressing the individual's goal in pursuing the M.F.A. degree, a portfolio of 20 recent works, and an official transcript from the undergraduate institution. A personal interview is suggested.

**Degree Requirements.** The program leading to the M.F.A. in Fine Arts requires a minimum of 60 semester hours including 30 credit hours in the professional studio core, 9 credit hours of studio criticism, 9 credit hours of seminar on contemporary issues, 3 credit hours of community service,

3 credit hours of professional preparation, and 6 credit hours of thesis exhibition.

No more than 15 semester hours of credit may be granted for work previously completed at the master's level.

Candidates must pass an oral examination in defense of a written thesis and a solo thesis exhibition.

### **Master of Health Sciences Degree**

Applicants must have a cumulative grade point average of B or higher in all upper-level undergraduate coursework.

Applicants must present satisfactory scores on the verbal, quantitative, and analytical portions of the General Test of the Graduate Record Examinations.

Three recommendations from former instructors or employers who are in a position to judge the applicant's aptitude for graduate study are required. (Forms are available from the Graduate School.)

### **Master of Music Degree**

Applicants for the M.M. in music must have an undergraduate degree in music, perform an audition in the principal area of applied music, and demonstrate or document piano proficiency.

#### **Master of Physical Therapy Degree**

Applicants are expected to have earned an average grade of B or higher on the last 60 semester hours of undergraduate coursework. Satisfactory scores on the verbal, quantitative, and analytical portions of the General Test of the Graduate Record Examinations are required.

An essay written on a topic specified by faculty of the Department of Physical Therapy and evidence of understanding of the scope of physical therapy practice are required. In addition, applicants must have completed the following courses prior to admission: 6-8 semester hours of human anatomy and physiology; 6-8 semester hours of general chemistry; 6-8 semester hours of general physics; 3 semester hours of statistics; and 6 semester hours of social sciences. All science courses should include laboratory components.

Three letters of recommendation are required; preferably one from an academic instructor and one from a practicing physical therapist who are in a position to judge the applicant's aptitude for graduate study. The third letter may be from a physical therapist, an instructor, or another person familiar with the applicant's aptitude for graduate study.

Applicants must be unconditionally admitted to the M.P.T. program prior to enrolling in physical therapy courses. The department accepts only full-time students.

The program is accredited by the Commission on Accreditation in Physical Therapy Education/APTA. Graduation from an accredited program is prerequisite for licensure as a physical therapist in North Carolina and other states in the United States.

Additional information about the program's accreditation is available through the department or the American Physical Therapy Association.

### **Master of Project Management Degree**

The Master of Project Management degree program is an online, World Wide Web-based program designed primarily to assist those involved with project management initiatives.

To be eligible for consideration, applicants must present a satisfactory score on the Graduate Management Admissions Test (GMAT) or the Graduate Record Examination (GRE) and an undergraduate GPA sufficient to meet formula minimums. Letters of recommendation are required; a



current resume is required with the application; interviews may be requested. Computer literacy is a necessary prerequisite.

After admission to the program, the following course prerequisites (or their equivalents) must be satisfactorily completed for admission to PM 650: PM 500, 505, and 515. This prerequisite background may be obtained in the student's undergraduate coursework, or the courses may be taken online from WCU prior to starting PM 650. Students must be fully and unconditionally admitted to the MPM program in order to enroll in any 500-level PM course.

#### Master of Public Affairs Degree

Applicants must have an average grade of B or higher the last two years of undergraduate study in the major. The Graduate Record Examinations General Test is required, and a personal interview may be requested. Prerequisite work may be required of applicants having an inadequate background for the M.P.A.

### **Master of School Administration Degree**

Applicants must hold or be eligible to hold a North Carolina Class A teaching license or a comparable license from another state. They must have an average grade of B or higher during the last 60 semester hours of undergraduate study and submit satisfactory scores on the General Test of the Graduate Record Examinations. Applicants must have three years of successful teaching or equivalent experience and must present a portfolio that includes professional achievements, a vision for improved schools in the next century, and a selfassessment of readiness for a career in school administration. Applicants will be interviewed by program faculty and local school administrators. An impromptu writing activity will also be required.

Three letters of recommendation from employers or former instructors who are in a position to judge the applicant's aptitude for graduate study and potential as a school administrator are required. One recommendation must be from the current immediate supervisor.

#### Master of Science in Nursing

Applicants must possess a BSN from a regionally accredited college or university and a nationally accredited nursing program with at least a 3.00 on a 4.00 scale for the last 60 hours of undergraduate work or a 2.85 on a 4.00 scale cumulatively. They must present a satisfactory score on the General Test of the Graduate Record Examination (GRE) and have completed an undergraduate or graduate level statistics course and a course in research methods. They must be a registered nurse eligible for licensure to practice in North Carolina and have a minimum of one year of clinical nursing experience within the past five years. They must also submit three professional references, including one from a current or recent employer. Applicants must submit a completed application and may be required to participate in an interview session that includes a written exercise. Applicants who are admitted to the program must own or have access to a computer with Internet service. Computer literacy is a necessary prerequisite. Meeting minimum requirements for admission does not guarantee acceptance into a program.

### **Master of Science in Sport Management**

Applicants for the Master of Science in Sport Management degree must have an average grade of "B" or higher as defined by the major department in upper-level undergraduate courses in their undergraduate major. A minimum percentile score of 25 on all three sections of the General Test of the Graduate Record Examination is required for applicants.

Each applicant must submit a letter of intent and three letters of recommendation with at least two from former instructors who are in a position to judge the applicant's aptitude for graduate study. Upon completion of the admissions procedures, potential students will be contacted for an interview.

### **Post-master Certificate Program**

A post-master certificate program to prepare the nurse in the advanced practice role of a Family Nurse Practitioner is also available. Applicants must meet admission requirements as outlined in

the Master of Science in Nursing Program. In addition, applicants must have graduated from a nationally accredited masters program in nursing. The GRE score requirement is waived.

## **Education Specialist Degree**

Applicants for the Ed.S. in educational leadership must hold the master's degree from a regionally accredited institution and are expected to hold graduate licensure at the fifth-year level in school administration or supervision. Applicants who hold graduate licensure at the fifth-year level in a teaching field may be admitted with the provision that all requirements for the fifth-year level in school administration or supervision become an integral component of the Ed.S. program.

Applicants must submit scores on the Graduate Record Examination General Test and three recommendations from former instructors and/or administrative superiors who are in a position to judge the applicant's aptitude for graduate study. Applicants will be interviewed by program faculty.

## **Doctor of Education Degree**

Students in the Doctor of Education Program select one of three concentrations: (1) Community College/Higher Education; (2) Curriculum and Instruction; or (3) Educational Administration. Admission requirements for each concentration follow:

### **Community College/Higher Education**

- Master's degree in administration. If master's degree is not in administration, the student may be required to take pre-requisites.
- 3 years leadership experience in community college or higher education institutions

### **Curriculum and Instruction**

- Master's degree
- Principal/superintendent licensure, C&I licensure, and/or extensive leadership experience
- Minimum 3 years teaching experience

### **Educational Administration**

- Master's degree
- Principal licensure
- Preferred administrative experience

Doctoral students in the Curriculum and Instruction and Educational Administration concentrations may be recommended for advanced licensure if they fulfill program requirements. The options for licensure include:

- Curriculum and Instruction: Curriculum and Instructional Specialist and/or Superintendent
- Educational Administration: Superintendent

Admission without the appropriate master's degree will be conditional, with the individual expected to complete either a master's degree program or prescribed coursework prior to being admitted as a candidate for the Ed.D. Applicants possessing the Ed.S. degree or credits toward the Ed.S. degree may have coursework that can reduce the number of hours required for the doctoral program. These applicants will be reviewed on a case-by-case basis and individual programs will be developed. In no case, however, will the requirement of one year of full-time residence be waived.

Applicants must have a grade point average of 3.5 on all previous graduate work and satisfactory scores on the Graduate Record Examinations.

Applicants who meet the described criteria will be interviewed by an admission committee of Educational Leadership and Foundations department faculty. The committee will assess such things as writing and communication skills, commitment to pursuing a career as an educational leader, the capacity for further graduate study, and the potential for a leadership role in schools. Additional information and materials may be requested.

## **Foreign Language Requirement**

A reading knowledge of a foreign language is required of candidates for the Master of Arts degrees in history and English. Other degree programs do not require proficiency in a foreign language.

## **Thesis**

A thesis is required in the master of arts and master of science degree programs for History (excluding non-thesis option and public history option), biology, chemistry, English, clinical psychology, and school psychology. A thesis is optional for the master of arts in music; however, a lecture/recital is required. A thesis may be accepted for some degree programs leading to the master of arts in education, the master of health sciences, the master of science in applied mathematics, the master of science in communication disorders, and the master of science in nursing.

A thesis proposal approved by the student's thesis committee, major department, or program coordinator, and the dean of Research and Graduate Studies must be on file in the Graduate School. If the student's research involves either human or animal subjects, the protocol must be approved by either the Institutional Review Board (for human subjects) or the Institutional Animal Care and Use Committee (for other live vertebrates) before the thesis proposal can be approved.

An unbound copy free of errors must be submitted to the dean of Research and Graduate Studies at least three weeks before the commencement ceremony at which the degree is to be conferred. The student's major department will guide the preparation of the thesis and inform the student as to when final copies of the thesis are due to be filed with the Graduate School. A thesis guide to help students prepare their theses is available from the Graduate School. The guide can also be found online at [www.wcu.edu/graduate/](http://www.wcu.edu/graduate/). After the thesis has been read for format by Graduate School personnel, it will be returned to the student for changes and for signatures from committee members; the student will then make at least three original copies on required thesis paper. All copies must be returned to the Graduate School at least two days before commencement for the graduate dean's signature. Upon approval, three copies must be presented to the library for binding at the student's expense. The student may also have a personal copy bound by the Hunter library at cost.

Students should contact the Graduate School for additional information prior to submitting their theses.

The thesis, in its final form, must be approved by the student's major department and the dean of Research and Graduate Studies before a candidate can receive the graduate degree.

## **Dissertation**

A dissertation is required for the Ed.D. in educational leadership. A dissertation proposal approved by the student's doctoral committee and the dean of Research and Graduate Studies must be on file before the student can register for EDL 899. If the student's research involves human subjects, the protocol must be approved by the Institutional Review Board before the dissertation proposal can be approved.

**Thesis Defense.** Students who write theses are expected to defend their work during oral examinations. The oral examinations will not be administered until after the final draft of the thesis has been completed.

## **Comprehensive Examinations**

A comprehensive examination is required for most degree programs. The examination may be written or oral or both. The specific requirement for each program is stated in the degree outline.

The comprehensive examination shall be administered by the appropriate department at least two weeks before the end of the semester in which the student expects to receive a degree. Written notice of the results of the examination shall be given to the Graduate School at least ten days prior to commencement.

Failure of a student to pass the oral or written comprehensive examination terminates the student's graduate work in that program unless otherwise recommended by the departmental committee. Only one reexamination will be permitted. All committee actions may be appealed by written application to the dean of Research and Graduate Studies.

## **Policy on Completion of Thesis and Dissertation**

Students who have completed their coursework and the number of thesis/dissertation hours for credit required in their graduate degree program must take one of two actions as follows:

- Students who will continue to use university resources in completing their degrees must enroll in and pay tuition and fees for two hours of continuing completion of thesis/dissertation credit in their discipline each semester (e.g., ART 799, BIOL 799, EDL 799 [thesis] or 999 [dissertation] etc.— Continuing Research). These hours will not count toward the degree and carry a different course number than those thesis and dissertation courses that are included within the hours designated for the degree.
- Students who are in a non-thesis program who have completed all degree requirements with the exception of a comprehensive examination, the removal of an Incomplete grade, etc., must register for the 779 course in their discipline (Continuing Research – Non-Thesis Option) each semester that they continue to use university resources.
- Students who will not use university resources should apply for a leave of absence. Students choosing this option must file a formal petition for a leave of absence that states that they will not use university resources during the leave period. Individual institutions may require students granted a leave of absence to reapply for active status in the graduate program.

Regardless of the course of action selected, all students must be enrolled for credit during the semester in which they complete their graduate work or are scheduled to receive their degrees.

## **Graduation and Licensure**

**Application for Graduation.** Students who expect to be awarded a degree must file an application for graduation in the Graduate School the semester prior to their graduation date. (Forms for this purpose may be obtained in the Graduate School.) A required \$30 graduation fee must be submitted before the student can be cleared for graduation.

**Graduation Attendance.** Candidates for degrees are required to be present at the commencement exercises in the prescribed academic dress. Requests for exceptions to this policy should be addressed to the registrar.

**Licensure.** It is the responsibility of the student to apply for an initial North Carolina teacher license or to upgrade an existing North Carolina license by contacting the licensure specialist in Killian Building, Room 219, at the beginning of the final semester.

For current fees and licensure forms, consult <http://www.ncpublicschools.org/licensure/>

## **Clinical and Field Experiences in Programs Leading to Professional Education Licensure by the North Carolina Department of Public Instruction**

The goal of professional education clinical and field experiences is to assist students in professional licensure programs to help all of the pupils with whom they work to achieve at high levels of performance. Although each clinical and 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 experience placements are made in collaboration with B-12 school personnel.
4. Field experience placements are made to facilitate appropriate supervision of students.

### **Certificate Programs**

Courses of study leading to certificates are available in community college administration, English (Professional Writing and TESOL), entrepreneurship, gerontology, health sciences, human resources, nursing, and project management. Interested students should contact the respective department for more information.

### **Changes in Requirements and Regulations**

Every effort has been made to assure the accuracy of statements in this catalog to the extent they could be known 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, admissions and degree requirements, and academic policies and procedures, may be made and applied before the next catalog publication occurs. All rules and regulations pertaining to graduate students are maintained in the Graduate School and may be reviewed there.

The policies, rules, regulations, and requirements of the Graduate School are intended to promote quality and excellence in the graduate program and to assist students to progress in a steady and orderly way toward the achievement of their academic and professional goals. It is recognized that graduate students may enter their graduate studies with various academic experiences; thus, exceptions to these policies, rules, regulations, and requirements may be considered when, in the opinion of the appropriate faculty and the Graduate School, a change will enhance the student's program of study, and when the objectives and quality of the individual student's program of study and the standards of the Graduate School will not be compromised.

## **GRADUATE PROGRAMS AND DEGREE OUTLINES**

Degree candidates are subject to those degree requirements in force at the time of their initial registration following admission. Degree candidates who have been readmitted following withdrawal for one full year (example: fall semester, spring semester, and a summer school), are subject to those degree requirements in force at the time of their initial registration following readmission. All degree candidates have the option of graduating under the degree requirements in force at the time the degree is to be awarded.

Program requirements are listed showing the absolute minimum required for each degree. Credentials of each applicant are reviewed and a program of study is devised for each individual. Therefore, students may be required to take course work above the minimum.

The appropriate graduate degree will be conferred upon a student after completion of one of the programs outlined below to the satisfaction of the major department(s) and the dean of Research and Graduate Studies. Each program requires successful completion of the minimum number of semester hours of graduate study, as required by each program, with at least half of the credits having been earned in courses open to graduate students only and numbered 600 or above for a master's degree and numbered 700 or above for the education specialist degree. All courses for the doctor of education degree must be from courses numbered 700 and above.

### **Master of Accountancy Degree Program (M.Ac.)**

The program leading to the Master of Accountancy (M.Ac.) requires the completion of 30 semester hours at the 600 level, including:

Core courses, 21 hours: ACCT 605, 615, 616, 620, 625, 640, LAW 640

Students with non-undergraduate business degrees must take ACCT 651

Other elective courses, 6-9 hours. Students may select courses from M.B.A. offerings to satisfy the remaining number of elective hours.

The Certificate in Entrepreneurship is available to students approved for graduate study in business in the Master of Business Administration or the Master of Accountancy. To earn the certificate, candidates must successfully complete 15 hours in graduate level Entrepreneurship and Business courses selected with the approval of the Entrepreneurship advisor.

### **Master of Arts Degree Programs (M.A.)**

#### **History (American or European concentration)**

The program for the M.A. degree in history (American or European concentration) requires a minimum of 30 semester hours (at least 15 of the 30 hours must be at the 600 level) of graduate study, satisfactory performance in a foreign language examination approved by the history department, and a satisfactory performance in a comprehensive written examination over all coursework for the degree. Students will choose one of the following options:

**Non-Thesis Option (American or European concentration):** This is a non-thesis degree designed for students who do not intend to continue graduate studies beyond the master's level. It requires a minimum of 30 semester hours of approved coursework, including HIST 631, HIST 632, and 6 hours outside the student's principal concentration.

**Thesis Option (American or European concentration):** Requires a minimum of 30 semester hours of approved course work, including: HIST 631, 632, and 3 hours of thesis credit (HIST 699). Candidates must pass an oral examination in defense of the thesis.

**Cherokee Studies Option (American concentration, thesis or non-thesis):** Requires a minimum of 30 semester hours of approved coursework, including 3 hours of HIST 699 for those writing a thesis; 18 hours in American history courses (including HIST 545, 631, and 632); 6 to 9 hours in Cherokee Studies concentration selected from: ANTH 561, ANTH 573, ASI 594, ENGL 564, or other courses approved by the graduate advisor.

**Cherokee Studies Interdisciplinary Graduate Certificate:** A 15 hour graduate certificate offering an interdisciplinary option for students seeking expertise in Native American studies. ASI 634 and ASI 697 are required. The remaining hours to be selected from ASI 594, ANTH 531, ANTH 540, ANTH 541, ANTH 561, ANTH 573, ENGL 564, HIST 545 or other approved courses.

**Public History Option (American concentration):** This is a non-thesis option designed to prepare students for entry-level positions related to public history. It requires the completion of a minimum of 30 semester hours of approved coursework, including: HIST 631, 632, and 688; 9 hours selected from HIST 571, 572, 573, 574; and 12 hours of guided electives exclusive of public history courses.

## English

The M.A. degree in English is awarded upon the successful completion of the following requirements: 30-36 semester hours of graduate credit—15 hours of which are the CORE, which consists of ENGL 618 (Research Methods), A Theory/Literary Criticism course, An Early British Literature Course, A Late British Literature Course, and An American Literature Course, and, depending on type of degree sought (M.A. with Thesis or M.A. with Non- Thesis Option), EITHER 9 additional hours of graduate coursework and 6 hours of thesis/ portfolio credit, OR 21 additional hours of graduate coursework selected by the student and his or her advisor. These 9 or 21 additional graduate hours must be in one of three CONCENTRATIONS: Literature, Professional Writing, or TESOL. In addition, all M.A. students (thesis or non-thesis option) must successfully pass written comprehensive examinations on both Early and Later Literature, a reading examination in a foreign language— normally French, German, or Spanish, and, in the case of those writing a thesis, a final oral defense. For reading lists, sample exams, and other information on the M.A., see the 2004 Guide to Graduate Study in English, available online.

Two Certificate Programs, in Professional Writing or TESOL, are offered by the Department of English. These are 15-hour (five course) programs, which lead to a Certificate awarded by the Graduate School and designation of completion on the official transcript. See below for more information.

### *Literature Concentration*

If a student selects the Literature Concentration, he or she must successfully complete both the 15-hour M.A. Core, plus either 9 hours of graduate coursework in literature chosen with the help of his or her advisor (Thesis Option), or 21 hours of graduate coursework in literature chosen with the help of the advisor (for the Non-Thesis Option). No specific courses are prescribed for the concentration itself, but are selected by both student and advisor to best mesh with the student's professional needs and aspirations.

### *Professional Writing Concentration*

In addition to completing the 15-hour core curriculum of the Graduate English Curriculum, students selecting the Professional Writing Concentration must successfully complete either 9 hours of graduate coursework in Professional Writing chosen with the help of his or her advisor plus complete a thesis (Thesis Option), or 21 hours of graduate coursework in Professional Writing chosen with the help of the advisor (for the Non-Thesis Option). No specific courses are prescribed but are to be selected by the student and the advisor to meet the student's professional needs and aspirations.

## **TESOL Concentration**

The concentration in TESOL (Teaching English to Speakers of Other Languages) prepares students to teach English to non-native speakers in a variety of situations. The topics covered are governed by the guidelines established for the English as a Second Language Curriculum by the N.C. Department of Public Instruction. In addition to completing the 15-hour Core required for all M.A. degrees in English, the student who selects the TESOL concentration must successfully complete either 9 hours of graduate coursework in TESOL and a thesis, or 21 hours of graduate coursework in TESOL. The courses available enable students to analyze the linguistic components of English: syntax, morphology, semantics, pragmatics, phonology, phonetics, and discourse. Students also cover sociolinguistic questions concerning the relationship of language to culture and issues related to dialects and varieties of English. In addition, students will study language acquisition and have opportunities to apply theoretical insight to the practical task of designing and implementing lesson plans and courses of study.

## **Psychology**

Graduate students seeking the M.A. degree in psychology may choose between two degree programs, the M.A. in School Psychology and the M.A. in Psychology (with options in clinical and general-experimental psychology.)

The clinical psychology option requires the completion of 62 semester hours including PSY 548, 650, 651, 652, 661, 662, 671, 672, 675, 676, 679, 686, (10 hours minimum), 699 (6 hours); and 12 hours of electives approved by the program director.

The school psychology programs requires the completion of 71 hours including: PSY 621, 624, 625, 648, 651, 652, 661, 663, 664, 673, 674, 675, 678, 683, 684, 686 (7 hours), 697, 699 (6 hours); COUN 620, COUN 645. Successful completion of the program and requirements related to licensure will lead to recommendation for Level II licensure.

The general-experimental psychology option requires the completion of 48 semester hours including PSY 610, 651, 652, 680 (6 hours), 699 (6 hours). An additional 27 elective hours approved by the program director will be selected from a general category (15 hours minimum) including PSY 526, 530, 540, 541, 544, 548, 555, 570, 574, 621, 624, 625, 650, 678, EDCI 711; and an interdisciplinary/applied category (12 hours maximum) including HR 605, 610, 615, MGT 605, 608, 609, MKT 601, 602, 603.

Degree candidates must complete a comprehensive requirement which consists of an approved thesis prospectus and successful performance on an oral examination given by a committee of at least three faculty members.

## **Master of Arts in Education Degree Programs (M.A.Ed.)**

All programs leading to the Master of Arts in Education degree require a minimum of 33 to 48 semester hours of graduate study, inclusive of coursework and individual problems or a thesis. Comprehensive examinations, either written or oral or both, must be passed in both the major and minor fields with the exception of some programs that require a portfolio. Successful completion of a program and requirements related to licensure will lead to recommendation for a North Carolina teaching license except for the two-year college and nonschool programs.

## **Comprehensive Education**

The program leading to the M.A.Ed. degree in comprehensive education requires a minimum of 36 semester hours of graduate study consisting of a professional core of 18 semester hours and a concentration of 18 hours. Each of the concentrations leads to a recommendation for Advanced Competencies licensure from the North Carolina Department of Public Instruction. Concentrations may have additional requirements for admission specific to the concentration. Completion of degree requirements includes a satisfactory portfolio demonstrating advanced competencies for



all concentrations. Candidates with current National Board Certification in the concentration area have demonstrated advanced competencies and are exempted from the required portfolio. An oral and/or written exam may be required for some concentrations.

**Professional Core**, 18 hours: EDCI 602, 604, or 605, or 613, SPED 620, PSY 621 (PSY 624 for BK) and 6 hours of methods\*.

**Art Concentration**, 18 hours as follows: 9 semester hours selected from one studio course area; 6 semester hours of contemporary art seminar courses, 3 hours from thesis/exhibition.

\*Methods, 6 hours: ART 564, 697

**Biology Concentration**, 18 hours as follows: Eighteen semester hours from any 500-600 level biology course, except BIOL 699. At least 6 hours must be taken from courses numbered 600 or above.

\*Methods, 6 hours: SCI 612, 695

**Birth-Kindergarten Concentration**, 18 hours as follows: BK 603, 607, SPED 606, 632; 6 semester hours from BK 513, 514, 566.

\*Methods, 6 hours: BK 570, SPED 604

**Chemistry Concentration**, 18 hours as follows: Eighteen semester hours from any 500-600 level chemistry course. At least 6 hours must be taken from courses numbered 600 or above.

\*Methods, 6 hours: SCI 612, 695, 696

**Elementary Education Concentration**, 18 hours as follows: elementary core, 3 hours; 566, 610, 666; subject matter core, 9 hours selected from three (3) of following areas: reading/language arts (EDEL 606 or 653 or EDRD 651 or 661 or EDPY 693), math (EDEL 605 or 607 or 608 or EDPY 693), science (EDEL 603 or EDPY 693), social studies (EDEL 604 or EDPY 693); subject matter electives (6 hours) selected from subject matter core options.

\*Methods, 6 hours: EDEL 614, EDEL 695, EDEL 696.

**English Concentration**, a minimum of 36 hours of coursework is required, 18 of which must be in English, including ENGL 618. There is a 6-hour English methods coursework requirement (ENGL 515 and ENGL 517). English Comprehensive Examinations on both early and later literature (based on the Shorter Reading List) and a Professional Teaching Comprehensive Exam (or portfolio) are also required. Neither a thesis nor foreign language proficiency is required. For reading lists, sample exams, and other information about the English concentration, *see the 2004 Guide to Graduate Studies in English*, available online.

**Mathematics Concentration**, 18 hours as follows: 9 hours as selected from at least three (3) of the following areas: Algebra-MATH 507, 561, 562, 620, or 661, Analysis-MATH 508, 523, 622, 623, or 624, Applied-MATH 541, 630, 632, 634, 640, or 646, Statistics-MATH 570, 670, 672, Geometry and History-MATH 500, 511, or 512; and 9 hours of mathematics courses except for MATH 601, 602, and 603. At least 3 hours must be taken from courses numbered 600.

\*Methods, 6 hours: MATH 509, MATH 610

**Middle Grades Concentration**, 18 hours as follows: middle grades core, 3 hours: EDEL 566 or 610 or 666; subject matter/pedagogy core, 15 hours: EDMG 623, and 6 hours in each of two areas approved by the adviser, including the following: reading/language arts: EDEL 567, 606, EDRD 651, 661, or EDPY 693; Math: EDEL 605, 607, 608, or EDPY 693; Science EDEL 603 or EDPY 693; Social Studies: EDEL 604 or EDPY 693.

\*Methods, 6 hours: EDMG 621, EDMG 680, 681

**Music Concentration**, 18 hours as follows: core curriculum, 14 hours: MUS 601, 679, 680, and three (3) of the following, 9 hours: MUS 520, 525, 621, 622; Electives from the following, 4 hours: MUS 503, 592, 593, 597, 598, 611, 614, 640, 675, 680, 693, 694, 699.

\*Methods, 6 hours: MUS 695, MUS 592 or MUS 640

**Physical Education Concentration**, 18 hours as follows: PE 615, 621, 625, 650, 696; 3 hours selected from the following: PE 635, 640, 665, 675, 676, 694, 699.

\*Methods, 6 hours: PE 630, 655.

**Reading Concentration**, 18 hours as follows: EDEL 567 or 653, EDRD 661, EDEL 566 or 610 or 666, 695, 696, EDRD 631, electives

\*Methods, 6 hours: EDEL 606, EDRD 651

**Social Sciences Concentration**, 18 hours as follows: 12 hours in history, 3 hours in second social science area, 3 hours in third social science area.

\*Methods , 6 hours: HIST 632, HIST 633

**Special Education Concentration**, 18 hours as follows: special education core, 3-6 hours: SPED 502\*, 682; emphasis in behavioral disorders, learning disabilities, mental retardation, or severe/profound disabilities, 12-15 hours as follows:

Behavioral Disorders Emphasis: SPED 504, 684, guided electives

Learning Disabilities Emphasis: SPED 505, 681, guided electives

Mental Retardation Emphasis: SPED 529, SPED 630, guided electives

Severe/Profound Disabilities Emphasis: SPED 528, 530, 532, 533, guided elective in communication disorders or physical therapy.

\*Methods, 6 hours: SPED 631, SPED 687

### **Educational Administration, Two-Year College**

The program leading to the M.A.Ed. degree in two-year college administration requires a minimum of 33 semester hours of graduate study, including:

Professional Component, 12 hours: EDCI 602, EDCI 612; EDCI 604 or EDHE 636; PSY 621; and EDCI 603, 605, 607, or EDHE 531.

Administration, Organization, and Supervision, 10 hours: EDAD 710, EDL 611, EDSU 605.

Higher Education and cognate, 11 hours: EDHE 605, 695, and 6 hours of guided electives.

### **Educational Supervision**

Each of the programs leading to the M.A.Ed. degree in educational supervision requires a minimum of 38 semester hours of graduate study. Program options include curriculum-instruction, instructional-technology specialist-computers, and international studies. Requirements prepare a study for graduate teaching licensure as a curriculum-instruction specialist, level one in North Carolina. Students in the instructional technology specialist-computers option also may qualify for licensure in computers. Students in the international studies program do not qualify for North Carolina licensure. Additional state-mandated testing may be required to complete licensure, but not graduation requirements.

All students complete a common core of courses consisting of the professional education component and required courses in supervision as well as the specialty requirements of the program they select.

Professional Component, 12 hours: EDCI 602, SPED 620, EDCI 613, and PSY 621

Supervision, Curriculum and Instruction, 11 hours: EDSU 605, EDSU 630, EDEL 566, and EDSU 685.

**Curriculum-Instruction concentration**, 15 hours: EDCI 603, EDCI 604, EDL 620, EDL 612, and one three hour elective.

**Instructional Technology Specialist–Computer concentration**, 15 hours: EDEL 610, EDEL 666 and three technology electives, as approved by the program advisor.

**International Studies Concentration**, 15 hours: EDCI 603, EDCI 604, EDL 611, and two electives as approved by the program advisor.

### **Two-Year College Teaching**

Programs leading to the M.A.Ed. degree in the area of two-year college teaching are available in:

Biology	Mathematics
English	Physical Education
Individually Approved	
Multi-Disciplinary Studies	

Each program requires a minimum of 35 semester hours of graduate study. The programs do not lead to licensure. The course requirements are as follows:

Academic Major Approved by Academic Advisor (24 hours)

Professional Core, 11 hours: EDCI 602, PSY 621, EDHE 605, EDHE 605, and 686. (A person with one or more years of teaching experience or a person who holds a teaching license may, upon recommendation of the advisor and department head, substitute EDHE 695 for EDHE 686.)

### **English**

For the M.A.Ed. in Two-Year College Teaching with English concentration degree, a minimum of 35 hours of graduate coursework is required, 24 of which must be in English, at least 12 hours of which must be at the 600 level. There is an 11-hour core requirement in Education. As with the Comprehensive Education with English concentration degree, English Comprehensive Examinations in both early and later literature (based on the Shorter Reading List) are required. Neither a thesis nor foreign language proficiency is required. For reading lists, sample exams, and other information about the English concentration, see the *2002 Guide to Graduate Study in English*.

### **Master of Arts in Teaching Degree Programs (M.A.T.)**

The MAT was designed to enable students holding degrees other than education degrees to study in selected teaching programs at the graduate or advanced level. Candidates must have an undergraduate degree in the major of the concentration and must meet the prerequisite requirements of the department housing the concentration. Candidates with an undergraduate degree in a major other than the MAT concentration may not qualify for the MAT and are subject to prerequisite course requirements as determined by the faculty in the department of the concentration. Prerequisite requirements will vary by department and depend on the credentials presented by the candidate.

The program leading to the MAT degree in comprehensive education requires a minimum of 36-42 semester hours of graduate study. The difference in semester hours is a function of the teaching experience that the candidate brings to the program. A full-time, semester-long internship or the equivalent is required. The MAT consists of a professional core of 15 semester hours, 12-18 hours of teaching methods and clinical experiences, and 9 semester hours in the concentration. Pending satisfactory completion of state-required licensure examinations, the program leads to a recommendation for an advanced license from the North Carolina Department of Public Instruction. Completion of degree requirements includes satisfactory completion of Praxis II tests, the Teacher Work Sample Portfolio and the Comprehensive Portfolio.

**PROFESSIONAL CORE**, 15 hours; EDCI 602, EDCI 604 or 605, EDCI 613, PSY 621 (PSY 624 for BK), and SPED 620.

**TEACHING METHODS AND CLINICAL EXPERIENCES**, 12-18 hours:

Birth-Kindergarten, 12 hours: BK 570, 588, 603, SPED 604.

**Secondary (Biology, Chemistry, English, Mathematics, and Social Sciences) and Special Subjects (Art, Music, Physical Education)**: 6 semester hours of teaching methods (EDCI 617 and one 3-hour content specific methods course\*); and 3-9 semester hours of clinical experiences (EDCI 689).

**Middle Grades Education**: 6 semester hours of teaching methods (EDMG 501, 502, 503, or 504; EDMG 511, 512, 513, or 514; EDMG 521, 522, 523, or 524; one 3-hour content specific methods course; and 3-9 semester hours of field experience (EDMG 589).

**Special Education:**

**Emphasis Areas** (Choose One)

**Behavior Disorders**: SPED 555, 556, 631 and 687.

**Learning and Mental Disabilities**: SPED 555, 566, 631 and 687.

**Severe/Profound Disabilities**: SPED 530, 534, 631, 687.

Field experience or additional course hours will vary, up to a total of 18 semester hours in special education, depending on prior courses and/or experiences of candidates.

**CONCENTRATIONS:**

**Art, Biology, Chemistry, Middle Grades, Music, Physical Education, and Social Sciences Concentrations**, 9 semester hours selected upon the advice of the department faculty.

Birth-Kindergarten Concentration, 9 semester hours: BK 607, SPED 606, 632.

**English Concentration**, 9 semester hours of graduate coursework selected jointly by the student and his English graduate advisor based on the student's undergraduate curriculum, professional plans, experience, and interests. The program involves a specialized teaching focus, emphasizing rhetoric and composition, ESL/TESOL, and traditional literary studies, including, especially, a graduate World Literature course. ENGL 517 Methods of Teaching Literature and ENGL 618 Literary Research and Bibliography are required. The comprehensive examinations given by the English Department are based on the Shorter Reading List, which is contained in the 2004 Guide to Graduate Studies in English, (available online at [www.wcu.edu/as/engl](http://www.wcu.edu/as/engl)). Neither a thesis nor foreign language proficiency is required.

**Mathematics Concentration**, 9 semester hours including MATH 500, 672, and one of the Following: MATH 511 or 512.

**Special Education Concentration**, 9 hours

**Emphasis Areas** (Choose One)

**Behavior Disorders**: SPED 504, 567, 684.

**Learning and Mental Disabilities:** SPED 505, 567, and 630.  
**Severe/Profound Disabilities;** SPED 528, 533, CSD 594 or PT 655.

\*Methods Courses: **(Art)** ART 564; **(Biology)** SCI 612; **(Chemistry)** SCI 612; **(English)** ENGL 514; **(Mathematics)** MATH 509; **(Music)** MUS 695, MUS 592, or MUS 640; **(Physical Education)** PE 655; **(Social Sciences)** HIST 633.

### **Admission Requirements For The Master of Arts in Teaching**

Applicants must have a grade point average of B or higher on all upper-level undergraduate coursework and a satisfactory score on the GRE. Three letters of recommendation from persons who are in a position to judge the applicant's aptitude for graduate study and potential as a graduate-level classroom teacher are required. A personal interview is required.

Students may enroll in no more than 6 credit hours of coursework prior to being fully admitted to the M.A.T. program. The application process for admission must be completed prior to the completion of the 6 credit hours. Students enrolled in the NCTEACH licensure program who are subsequently admitted to the M.A.T. program may be allowed to count a maximum of 12 credit hours toward the degree, provided the courses are required in the M.A.T. program.

Applicants for the MAT in Comprehensive Education concentration in Art must submit a letter of intent to the department head and a portfolio of their work. Applicants for the MAT in Comprehensive Education concentration in English must submit a writing sample (such as an undergraduate paper). Applicants for the MAT in Comprehensive Education concentration in Music must contact the Music Department to conduct an interview or schedule an audition.

In addition, candidates must have an undergraduate degree in the major of the concentration and must meet the prerequisite requirements of the department housing the concentration. Candidates with an undergraduate degree in a major other than the MAT concentration may not qualify for the MAT and are subject to prerequisite course requirements as determined by the faculty in the department of the concentration. Prerequisite requirements will vary by department and depend on the credentials presented by the candidate.

### **Master of Business Administration Degree Program (M.B.A.)**

The program leading to the Master of Business Administration degree requires the completion of 36 semester hours at the 600 level, including: Core Courses, 24 hours: ACCT 651, ECON 607, FIN 601, CIS 651, MGT 605, MGT 606, MGT 607, MKT 601.

Electives, 12 hours: Elective courses from at least three disciplines must be selected to assure breadth of business understanding and must be approved by the director of the MBA program from the following: accounting, computer information systems, economics, finance, law, management and marketing.

The program leading to the M.B.A. with certificate in Health Care Administration requires the completion of the 24-semester-hour M.B.A. core, 6 hours of M.B.A. electives, 3 semester hour M.H.S. courses elected in consultation with the M.B.A. and M.H.S. advisors. and the following additional courses: MHS 510, MHS 564, MHS 664, MHS 665, MHS 696.

The program leading to the M.B.A. with certificate in Human Resources requires the completion of the 24-semester-hour M.B.A. core, 6 hours of M.B.A. electives, 3 semester hour M.B.A. courses elected in consultation with MBA and HR advisors. and the following additional courses: MGT 608, HR 605, HR 610, HR 617.

The program leading to the M.B.A. with certificate in Project Management requires the completion of the 24-semester-hour MBA core, 6 hours of M.B.A. electives and the following additional courses: PM 650 (6)\*, PM 652 (6)\*, PM 654 (6)\*.

\*Note: The project management courses are currently available only online. It is anticipated in the future, depending on the interest level and enrollment in this certificate program, it may be desirable to offer some of these courses in residence. This option is retained only as a possibility against future developments.

The program leading to the M.B.A. with Certificate in Entrepreneurship requires the completion of 15 hours in graduate level Entrepreneurship courses selected with the approval of the Entrepreneurship advisor.

## **Master of Construction Management Degree Program (M.C.M.)**

The Master of Construction Management degree program is an online, World Wide Web-based program designed primarily to assist those involved with managing construction projects.

To be eligible for consideration, applicants must present a satisfactory score on either the Graduate Management Admissions Test (GMAT) or the Graduate Record Exam (GRE) and an undergraduate GPA sufficient to meet formula minimums for the Graduate School. Letters of recommendation are required; a current resume is required with the application; interviews may be requested. Computer literacy is a necessary prerequisite.

After admission to the program, the following course prerequisites (or their equivalents) must be satisfactorily completed for admission to CM 650: PM 500, 505, and 515. This prerequisite background may be obtained in the student's undergraduate coursework, or the courses may be taken online from WCU prior to starting CM 650. Students must be admitted to the MCM program in order to enroll in any 500-level PM course.

The program leading to the Master of Construction Management degree requires 37 semester hours, consisting of the following six, 6-semester-hour courses and one, 1-semester-hour course, all of which are online and Web-based: CM 650, 651, 652, 654, 655, 657, and 659.

## **Master of Education in College Student Personnel Degree Program (M.Ed.)**

The Master of Education in College Student Personnel Program is designed to prepare students to become student affairs professionals. Specifically, graduates will work in positions that promote the intellectual, social, emotional and personal development of college students. These professionals work with colleagues, faculty, administrators, and staff to provide college students with a wide array of services that enhance their educational and campus experiences. The program leading to the M.Ed. degree in college student personnel requires a 48 semester hours of graduate study, including:

Core Component, 39 hours: COUN 600; CSP 530, 605, 611, 621, 630, 683, 684, 685, 695; EDCI 602; EDHE 605, 650, 710.

Guided Electives, 9 hours selected from COUN 615, 645, 650; EDHE 531; EDL 611; EDSU 605; PSY 621; SPED 620 and other advisor-approved courses.

### **Degree Requirements for the Master of Education Degree**

Applicants for the M.Ed. in College Student Personnel must have an average grade of B or higher as defined by the major department in upper-level undergraduate courses in the major.

The General Test of the Graduate Record Examination is required.

Three recommendations (forms are available from the Graduate School) from former instructors who are in a position to judge the applicant's aptitude for graduate study are required.

A written statement of professional goals and interest in the College Student Personnel program and a personal interview are required.

## **Master of Entrepreneurship Degree Program (M.E.)**

The Master of Entrepreneurship program requires 30 semester hours consisting of ENT 601, 610, 620, 625, 630, 640, 650, 660, 670, and 675.

Admission Requirements: Applicants must present a minimum score of 400 on the Graduate Management Admission Test (GMAT), or an equivalent minimum score on the Graduate Records Examinations (GRE).

## **Master of Fine Arts in Fine Arts (M.F.A.)**

The M.F.A. in Fine Arts is a 60-hour terminal degree program offering the highest level of instruction in the visual arts. This program offers three different concentrations: (A) Two Dimensional Studio, including painting, drawing, and printmaking; (B) Three Dimensional Studio, including sculpture and ceramics; (C) Integrated Media Studio, including video, film, photography, design, book arts and experimental media. In addition to the 30 semester hours, of professional studio courses, students are required to take 9 hours of contemporary issues seminar, 3 hours of community service, and 6 hours of thesis/exhibition. The faculty will consist of permanent full-time members of Western Carolina University and nationally/ internationally recognized visiting artists and critics.

## **Master of Health Sciences Degree Program (M.H.S.)**

The Master of Health Sciences degree program requires a minimum of 36 semester hours of approved graduate coursework. The curriculum is composed of four parts: (1) core courses; (2) specialization concentrations in education, environmental health, gerontology, management, and nutrition; (3) guided electives; and (4) completion options of a thesis or a project.

Applicants must own or have access to a personal computer and printer with at least: Windows 2000 or XP (or MAC OS 9.0) operating system, 266 MHz processor, CD-ROM drive (8X or higher), 33.6 or 56K Modem or better, Microsoft Word processing, and an Internet service provider account.

Core Courses, 9 semester hours: MHS 510, MHS 675, MHS 696

Specialization Concentrations: 18 semester hours

Education Option: MHS 530, 532, 534, 680, 693, ENVH, or approved electives

Environmental Health Option: ENVH 570, 575, 655, 670, 671, 675, MHS 687, 693, or approved electives

Gerontology Option, GERN 510, select 15 hours from the following: CJ 593, EDPY 693, ND 693, NSG 693, PAR 593, PRM 593, GERN 680, 693, or approved electives.

Management Option: MHS 562, 564, 664, 665, 666, 668, 680, 693, or approved electives.

Nutrition Option: MHS 680, ND 533, 630, 635, 636, 637, 639, 681, 682, 683, 693, 695.

Guided Electives, 3 hours

Completion Options, 6 semester hours: MHS 699 (6 hours); MHS 698 and approved elective 6 hours.

**Option for Dietetic Internship:** This option consists of 12 hours of graduate coursework including ND 681, 682, 683. Completion of the option enables the student to take the American Dietetic Association registration examination and thus become a Registered Dietitian. The coursework in-

cludes 1,125 hours of onsite clinical experience. Students in this option will incur some costs (i.e., liability insurance, travel to clinical sites, uniforms) in addition to the regular graduate fees. Students wishing to complete this option must apply for admission to the option and submit a verification statement of completion of an ADA-approved Didactic Program in Dietetics.

## **Master of Music (M.M.)**

The program for the M.M. degree in applied music requires a minimum of 32 semester hours of graduate course work, including:  
A core of required music courses (10 hours): MUS 601 and three of the following: MUS 520, 525, 621, 622.

Area of Concentration (13 hours): MUS 675, 605; 8 hours from the following: MUS 612, 613, 614, 615; and three additional hours of MUS 675 or 680.

Electives: 9 hours, of which up to 6 hours may be outside the music department, approved by the advisor.

Successful completion of a public lecture/recital (MUS 605) is required of all master's candidates, as is satisfactory performance on a combined written and oral comprehensive examination. A thesis is optional.

## **Master of Physical Therapy Degree Program (M.P.T.)**

The Master of Physical Therapy degree program requires a minimum of 74 semester hours of approved coursework, including full-time clinical internships. The curriculum consists of basic sciences, physical therapy sciences, scientific inquiry, clinical logic, and clinical internship sequences. Completion of the following coursework and successful performance on a comprehensive examination are required for graduation.

### **Year One:**

Fall Semester: PT 611, 621, 623, 631, and 641

Spring Semester: PT 612, 622, 624, 632, 642, and 683

Summer School: PT 613, 651, and 693 (3)

### **Year Two:**

Fall Semester: PT 614, 652, 684, 693, or 643 (1)

Spring Semester: PT 615, 653, 660, 693 or 644 (1), and 783

Summer School: PT 720 and 784

## **Master of Project Management Degree Program (M.P.M.)**

The program leading to the Master of Project Management degree requires 36 semester hours, consisting of the following six, 6 semester-hour courses, all of which are online and Web-based: PM 650, 652, 654, 656, 658, and 660.

## **Master of Public Affairs Degree Program (M.P.A.)**

The Master of Public Affairs degree program is designed for in-service students who possess professional experience and seek additional education to prepare for career advancement. It is also designed for preservice students planning careers in the public service area. The program requires a minimum of 36 semester hours, including:

Public Affairs Core, 18 hours: PA 669, 670, 671, 672, 673, 674.

Program Electives, 6 hours, selected from PA 571, 572, 675, 676; PSC 521, 593, 595.



Professional Electives, 9 hours, selected with advisor's approval from graduate courses pertinent to the individual's career field.

**Criminal Justice Concentration**, 12 hours as follows: CJ 620, 650, 670, 675 or appropriate CJ courses as approved by the advisor. One of these courses may be counted as a program elective by students in the CJ concentration who are required to complete a 6 semester hour internship.

Students without public service experience will be required to complete a 3 hour internship (PA 685) and submit an internship report based on faculty guidelines. Students with public service experience will be required to take an additional 3 hours of coursework selected from program electives and professional electives instead of an internship.

Students will be required to take a written examination covering all core coursework prior to graduation. The written examination will be taken toward the end of the program after all core courses have been completed. It may be taken during the last semester of coursework, if the student is not in the process of taking a core course. The written examination will be divided into two areas as follows: Public Affairs General Perspectives: PA 670, 672, and 673 and Budgeting, Statistics, and Metropolitan Government; PA 671, 674, 675.

## **Master of School Administration Degree Program (M.S.A.)**

The program leading to the Master of School Administration degree requires the completion of 42 semester hours. The curriculum is divided into four areas as follows:

Professional Knowledge and Skills Core, 12 hours: EDCI 612, 615, EDL 620, and PSY 621.

School-Site Management Core, 9-12 hours: EDL 611, 660, EDSU 630 and the option of one elective course (recommendations include COUN 600, EDEL 566, and 666, EDL 732. Students who take 9 hours in this core will take 15 hours in the Instructional Leadership Core.

Instructional Leadership Core, 12-15 hours: EDL 612, EDCI 609, EDSU 605, and up to 2 electives (recommendations include EDCI 613, SPED 502, and SPED 620.

Internship, 6 hours: part-time students, EDL 685, 686 (2 s.h. option), and 687; full-time students, EDL 686 (3 semester option) and 687.

The faculty recommends that students complete EDCI 612 within the first nine semester hours of the program. Students may not register for internship courses without the permission of their advisor.

Students will maintain a portfolio throughout their experience in the program. Prior to graduation, portfolios will be evaluated to validate attainment of program goals.

Successful completion of the program and requirements related to licensure will qualify students to apply for an Administrator I license in the state of North Carolina. Conditions for licensure are determined by the North Carolina State Board of Education.

## **Master of Science Degree Programs (M.S.)**

### **Applied Mathematics**

The program for the MS degree in applied mathematics requires a minimum of 30 semester hours including:

Required courses, 15 hours: MATH 622, 632, 661, 672, and either MATH 640 or 646. One course selected from, 3 hours, selected from: MATH 624, 630, 634, 670, 693; or from 640 or 646 if not included above.

Electives, 12 hours, to include no more than 6 hours of master's thesis; any 500 or 600-level course except MATH 601, 602, 603, 610, 694; and no more than 6 hours from the sciences, approved by the Department of Mathematics.

Students who elect to write a thesis must pass an oral examination in defense of the thesis.

Students who elect the non-thesis option must complete 1 hour of: MATH 679: Master's Project.

### **M.S. in Mathematics or Applied Mathematics—Four Plus One:**

The B.S./M.S. degree program option in Mathematics or Applied Mathematics allows an outstanding student to complete the requirements for both degrees in a period of 5 years.

Guidelines:

Students in the B.S. program in Mathematics who have:

- i. Completed a minimum of seventy-five (75) and a maximum of ninety-six (96) credit hours in their undergraduate programs, including credits earned from advanced placement, and
- ii. Have a minimum accumulated grade point average (GPA) of 3.25 at WCU.

may apply for admission to Graduate School and permission to have up to 12 credit hours of graduate level course work during their senior year count as advanced placement toward their MS degree. Such a request must be approved by both the Head of the Mathematics Department and the Director of the Graduate Program of the Mathematics Department. They in turn must recommend this course of action to the Graduate School. After the student receives the BS degree and completes admission requirements, he or she may be officially admitted into the MS degree program in Applied Mathematics. After admission to the master's program, the designated courses in which the student earned grades of B or better may be applied toward the requirements of that degree. These courses also count toward the 128 hours needed for the BS degree.

### **Biology**

The program for the M.S. degree in biology requires a minimum of 30 semester hours of graduate study, including a 3 to 6-hour thesis. An oral defense of the thesis is required, as well as a comprehensive written exam.

### **Biochemistry Program**

The Department of Biology and the Department of Chemistry and Physics jointly offer a special program in biochemistry designed to prepare graduate students for study toward Ph.D. degrees at other universities.

### **Cooperative Ph.D. Program with Bowman Gray School of Medicine**

A cooperative graduate program between the Department of Biochemistry at Bowman Gray School of Medicine and WCU offers students a five-year plan leading to the Master of Science and Ph.D. degrees. Two years are spent at WCU and three years are spent at Bowman Gray.

### **Chemistry**

The program for the MS degree in chemistry requires a minimum of 30 semester hours of graduate study, including a thesis as specified by the Department of Chemistry and Physics. An oral defense of the thesis is required.

Required courses: 2 hours of CHEM 696, 6 hours of CHEM 698, 3 hours of CHEM 699, and 19 semester hours in at least three areas of chemistry approved by the student's research advisory committee. At least one half of the coursework must be from those courses numbered 600 or above.

**Environmental Chemistry Concentration.** The program for the M.S. in Chemistry with an Environmental Chemistry concentration requires a minimum of 30 semester hours of graduate study, including an environmentally related thesis as specified by the Department of Chemistry and Physics.

Required Courses: 2 hours of CHEM 696, 6 hours of CHEM 698, 3 hours of CHEM 699; CHEM 561; 6 hours of environmentally related courses; and 9 hours of electives approved by the student's thesis research advisory committee.

### **M.S. in Chemistry—Four Plus One**

The program for the M.S. degree in Chemistry requires a minimum of 30 semester hours of graduate study, including a thesis as specified by the Department of Chemistry and Physics. An oral defense of the thesis is required.

Required Courses:

2 hours of CHEM 696

6 hours of CHEM 698

3 hours of CHEM 699

19 semester hours in at least 3 areas of chemistry approved by the student's thesis research advisory committee

### **Communication Sciences and Disorders**

The program leading to the M.S. degree in communication sciences and disorders requires a minimum of 60 hours of graduate study, including completion of a series of supervised clinical internships totaling no less than 350 hours. Experiences will be obtained at on-campus and off-campus locations. The program is designed to meet the needs of students who wish to work in schools and other professional settings. The program adheres to the academic and clinical education requirements set by the American Speech-Language-Hearing Association, the North Carolina Board of Examiners for Speech and Language Pathologists and Audiologists, and the North Carolina State Department of Public Instruction. The completed program entitles the graduate to Advanced Licensure in the state of North Carolina.

Course Requirements: CSD 620, 630, 640, 648, 662, 668, 670, 672, 673, 677, 678, 682 and three 3-hour guided electives in communication sciences and disorders. The three 3-hour guided electives in communication sciences and disorders can include one of the following two options:

1. 3 hours of CSD 798 (Master's project) in which they must complete comprehensive exams and two other elective offerings or;
2. 3 hours of CSD 699 (Thesis); and two other elective offerings.

Enrollment in Clinical Practicum in Communication Sciences and Disorders (CSD 683) is required each semester and must total no less than 15 credit hours.

The following courses or their equivalent are required (if not completed previously at the bachelor's level): CSD 301, 370, 372, 380, 450, 470, 473, 477, 478, and 479.

### **Community Counseling**

The program leading to the M.S. degree in community counseling requires a minimum of 60 semester hours of graduate study.

Professional Core, 30 hours: COUN 605, 610, 615, 625, 630, 631, 635, 640, 650, 667, and 670.

Specialty Requirements, 30 hours: COUN 602, 617, 623, 624, 633, 686, 687, and 9 hours guided electives.

### **Family and Consumer Sciences**

The program leading to the M.S. degree in family and consumer sciences is on inactive status and no new students are being accepted.

### **Human Resources**

The program leading to the MS degree in human resources requires a minimum of 36 semester hours including 18 hours in the Professional Core (HR 602, 605, 610, 645, 683, and 698) and 18 hours selected from the following course or courses approved by the student's advisor.

HR 611, 612, 615, 616, 617, 619, 620, 660, 675, 676, 677, 678, 693.

Successful performance on a comprehensive examination, either written or oral as determined by the department, is required upon the completion of all course work or during the semester in which all coursework will be completed.

### **Technology**

Requirements for the M.S. degree in technology include a minimum of 33 semester hours distributed over core requirements, professional writing, support area, and applied electives.

**Technology Core:** ET 570, ET 575, ET 603, ET 644

**Directed Project:** ET 688

**Professional Writing:** ENGL 501

**Support Areas, 9 hours:**

Management: MGT 605, 606, 608, 611, FIN 601, ECON 607

**Applied Electives:** 9 hours selected from: ET 510, 521, 522, 524, 534, 593, 680, and 695. ET 642, 648, 536, or approved electives by program advisor.

Successful performance on a comprehensive examination, written and/or oral as determined by the department is also required.

## **Master of Science in Nursing Degree Program (MSN)**

The Master of Science degree in Nursing (M.S.N.), Family Nurse Practitioner, prepares nurses in an advanced practice role with competencies in family health promotion and clinical management of common conditions across the life span. The three-year program requires 49 to 53 semester hours of graduate course work including 720 clinical hours. The total number of required hours depends on whether the thesis option is selected. A written comprehensive exam will be required during the final semester. The research requirement is a two-hour clinical project that is to be completed during the final semesters of the program. Students selecting the thesis option will be exempt from the research project requirement.

### **MSN CORE (17-18 Hrs.)**

NSG 501 Adv Pract Nurs: Roles Issues (2)  
NSG 510 Theory for Adv Pract Nurs (2)  
NSG 511 Research for Adv Pract Nurs (3)  
NSG 516 Econ and Org of Health Care (2)  
NSG 517 Pathophysiology for the Adv  
Pract Nurse (3)  
NSG 623 Adv Health/Phys Assess (3)  
NSG 679 or 699 Res Project/Thesis (2/3)

### **FNP COGNATES (10 Hrs.)**

NSG 627 Diagnostics (2)  
NSG 671 Soc and Beh. Heal Prob (2)  
NSG 624 Family Heal Prom in the Rural  
Comm (2)

## **FNP CORE (22 Hrs.)**

NSG 625 Clinical Management I (1)  
NSG 673 FNP II: Reproductive Health & the Childbearing Fam (3)  
NSG 674 FNP III: Primary Care of Children & Adolescents (3)  
NSG 675 FNP IV: Primary Care of Adults & Elderly

NSG 683 FNP II: Clinical Management (2)  
NSG 684 FNP III: Clinical Management (3)  
NSG 685 FNP IV: Clinical Management (3)  
NSG 686 FNP V: Primary Care Clinical Practicum (4)

## **Family Nurse Practitioner (FNP) Post-Master's Certificate Program**

A post-master's certificate program is available to nurses who have earned a master's degree in Nursing. The certificate program prepares the nurse in the advanced practice role of a Family Nurse Practitioner with competencies in family health promotion and clinical management of common conditions across the lifespan. The three year program requires 38 hours of graduate course work including 720 clinical hours. A comprehensive clinical exam will be required during the final semester. Students are exempt from the graduate core courses (NSG 601, 610, 611, and 616) and thesis or research project requirements.

### **FNP Core (6 hours)**

NSG 517 Pathophys. for the Adv Pract Nurse (3)  
NSG 623 Adv Health/Phys. Assessment (3)

### **FNP Cognate (10 hours)**

NSG 627 Diagnostics (2)  
NSG 671 Soc and Beh Heal Prob (2)  
NSG 624 Fam Heal Prom in the Rural Comm (2)

### **FNP Core (22 hours)**

NSG 625 Clinical Management I (1)  
NSG 673 FNP II: Reproductive Health and the Childbearing Family (3)  
NSG 674 FNP III: Primary Care of Children and Adolescents (3)  
NSG 675 FNP IV: Primary Care of Adults and Elderly (3)

NSG 683 FNP II: Clinical Mgt. (2)  
NSG 684 FNP III: Clinical Mgt. (3)  
NSG 685 FNP IV: Clinical Mgt. (3)  
NSG 686 FNP V: Primary Care Clinical

## **Master of Science in Nursing (M.S.N.) Nurse Educator**

he Master of Science degree in Nursing (M.S.N.), Nurse Educator, prepares nurses in an advanced practice role with competency in one of three educational areas: academic educator, staff educator, or patient educator. The three-year program requires 38 to 39 semester hours of graduate course work including a 3 credit hour practicum. The total number of required hours depends on whether the thesis option is selected. A written comprehensive exam will be required during the final semester. The research requirement is a two-hour project that is to be completed during the final semesters of the program. Students selecting the thesis option will be exempt from the research project requirement.

### **MSN CORE (17-18 Hrs.)**

NSG 501 Roles/Issues (2)  
NSG 510 Theory (2)  
NSG 511 Research (3)  
NSG 516 Econ/Org (2)  
NSG 517 Pathophys (3)  
NSG 623 Phys Assess (3)  
NSG 679/699 Project/Thesis (2-3)

### **NE COGNATES (9 Hrs.)**

MHS 530 Ed for Health Prof (3)  
MHS 668 Health Care Informatics (3)  
EDCI 609 Test/Management (3)

**NE CORE (9 Hrs.)**

NSG 651 Teaching/Lrn in Nsg. Ed (3)  
 NSG 652 Curriculum Develop (3)  
 NSG 687 Education Practicum (3)  
 (180 clock hours)

**ELECTIVES (3-4 Hrs.)**

NSG 624  
 NSG 671  
 NSG 673, 674, 675  
 PSY 621

**Nurse Educator (NE) Post-Graduate Certificate Program**

The Nurse Educator post-graduate certificate is available for those students who have earned a Master of Science in Nursing (M.S.N.) degree or those with a Masters degree in a related discipline. The postgraduate certificate program requires 18 semester hours of study and can be completed in four semesters. The courses required for the NE Certificate are:

**NE Core (9 hours)**

NSG 651 Teaching/Lrn in Nsg Ed (3)  
 NSG 652 Curriculum Develop (3)  
 NSG 687 Educational Practicum (3)  
 (180 clock hours)

**NE Cognate (9 hours)**

MHS 530 Ed Health Prof (3)  
 MHS 668 Health Care Informatics (3)  
 EDCI 609 Test/Management (3)

**Master of Science in Sport Management**

The Master of Science in Sport Management requires successful completion of a minimum of 36 semester hours of graduate course work, including:

**Core courses (18 Hours):** PE 615, 621, SM 620, 623, 630, 640, and 3 selected electives from: ACCT 605, 651, CIS 605, 651, 662, ENGL 501, ENT 601, HR 610, MATH 570, 672, MGT 605, 606, 608, 609, MKT 601, 602, 603, PE 675, SM 650, 660, 670.

**Practicum or Thesis option (9 Hours):** SM 683 or PE699

**Practicum option.** Non-thesis degree designed for students who do not intend to continue graduate studies beyond the master's level. Requires a minimum of 27 hours of approved coursework and the successful completion of a Practicum.

**Thesis option.** Designed for students who either intend on continuing graduate studies beyond the master's level or intend on performing research activities. Requires a minimum of 27 hours of approved coursework and the successful completion of an oral defense of a thesis.

Upon successful completion of all coursework, graduate candidates must pass a comprehensive written exam covering all core courses. Students must also take any courses that are considered prerequisites for required or elective courses.

Applicants for the Master of Science in Sport Management degree must have an average grade of "B" or higher as defined by the major department in upper-level undergraduate courses in their undergraduate major. A minimum percentile score of 25 on all three sections of the General Test of the Graduate Record Examination is required for applicants.

Each applicant must submit a letter of intent and three letters of recommendation with at least two from former instructors who are in a position to judge the applicant's aptitude for graduate study. Upon completion of the admissions procedures, potential students will be contacted for an interview.

**Master of Social Work Degree Program (M.S.W.)**

The Master of Social Work degree program prepares graduates for advanced generalist practice as social work practitioners, consultants, supervisors, administrators, and other leadership roles in

their communities. The two-year program requires 60-66 hours of graduate coursework including 960 field practicum hours. The total number of required hours depends on whether the student qualifies to take and successfully pass waiver exams for SOCW 534 and 535. Completion of the following coursework and successful performance in the field practicum are required for graduation.

#### **Year One:**

Fall Semester: SOCW 504, 534, 551, 553, and 562

Spring Semester: SOCW 535, 564, 586, and 3 hours selected from SOCW 510, 515, 526, 529, 682, or other advisor approved electives.

#### **Year Two:**

Fall Semester: SOCW 635, 673, 686, and 3 hours selected from SOCW 510, 515, 526, 529, 682, or other advisor approved electives.

Spring Semester: SOCW 627, 664, 687, and 3 hours selected from SOCW 510, 515, 526, 529, 682, or other advisor approved electives.

### **Education Specialist Degree Program (Ed.S.)**

The Education Specialist Degree in Educational Leadership (Ed.S.) leads to advanced licensure in education administration (Superintendent Licensure). The program requires 36 hours beyond the Master's Degree in School Administration. Students who have a Master's Degree in an education-related field may have their transcripts reviewed to determine pre-requisite courses needed for principal licensure before entering the Ed.S. Upon completion of the Ed.S., students who are admitted into the Ed.D. in Educational Leadership may transfer up to 36 hours into the Ed.D.

#### **Education Administration Concentration**

(For those already licensed as a principal and seeking superintendent's licensure)

#### **Phase One Core: 18 semester Hours**

EDCI 706, Statistical Analysis in Research or EDCI 711, Qualitative Research

EDCI 800, Issues in Rural Education or EDCI 805, Advanced Foundations of Education

EDL 800, Advanced Leadership Theory or EDL 810, Behavior and Management of Educational Organizations

EDL 820, Educational Politics and Policies

EDL 895, Advanced Seminar in Instructional Leadership

EDL 896, Seminar in School Law

**Choice:** At the completion of the core courses in the Ed.S. Program (18 semester hours) students will (with faculty approval) choose a direction for continuing study: 1) apply for admission to the Ed.D. and transfer the 18 hour core into the Ed.D. or 2) Complete Phase Two and receive the Ed.S. with Level II Licensure.

#### **Phase Two Core: 18 semester Hours**

Required - 12 hours

EDCI 709, Educational Testing and Assessment

EDL 877, The Superintendency

EDL 883, Internship in Rural School Leadership I

EDL 884, Internship in Rural School Leadership II

#### **Electives: Six Hours from among the following**

EDCI 802, Program Evaluation for Educational Leaders

EDL 732, Leadership in the Integration of Educational Technology

EDL 740, School Plant Planning and Management

EDL 750, Educational Human Resource Management, and

EDL 876, Ethics in Educational Leadership

Students without principal licensure must either complete the Master of School Administration Degree or if they have an education related master's degree, have their transcripts reviewed to determine pre-requisite courses needed before entering the Ed.S.

Students are required to prepare a portfolio to demonstrate mastery of skills for leadership at the system level. This portfolio is reviewed by faculty prior to graduation. In order to be licensed at the Ed.S. level by the North Carolina Board of Education, upon graduation students should contact the Western's Office of Field Experiences to apply for an advanced license.

Completion of the Ed.S. in Educational Leadership does not qualify a student for admission to the Ed.D. Students admitted to the Ed.D. must request transfers of hours taken at the Ed.S. level to the doctoral program.

### **Degree requirements for the Education Specialist Degree**

Applicants for the Ed.S. in Educational Leadership must hold a master's degree in an education related field from a regionally accredited institution and are expected to hold principal licensure. Applicants who do not have principal licensure will have their transcripts reviewed to determine prerequisite courses needed for that licensure before beginning an Ed.S.

Applicants must submit scores on the Graduate Record Examination General Test and three recommendations, one of whom must be an administrative supervisor. Applicants will be interviewed by program faculty.

### **Doctor of Education Degree Program (Ed.D.)**

The program leading to the Ed.D. degree in educational leadership prepares senior-level administrators as school leaders in rural communities. For service in Pre-K through 12 school systems, community colleges, and institutions of higher education.

Students in the Doctor of Education Program select one of three concentrations: (1) Community College/Higher Education; (2) Curriculum and Instruction; or (3) Educational Administration. The program requires 60 semester hours beyond the master's degree; a full year of residency; a core of course work in leadership, research, and a concentration area; an extensive internship; a written comprehensive examination and a dissertation.

The areas in which courses must be completed are as follows:

Community College/Higher Education:

- Leadership Core: EDCI 800, 802, 805, EDL 800, 810, 820, 895, 896
- Research Core: EDCI 706, 711, 806, 895
- Concentration Electives: 12 semester hours selected from EDHE 805, 810, 820, 830, or 840
- Internships: EDL 883, 884
- Dissertation (6 semester hours): EDL 899 Oral defense required.

Curriculum and Instruction:

- Leadership Core: EDL 800 or 810, 820, 896, 715, 895
- Research Core: EDCI 706, 709, 711, 806, 895
- Concentration Requirements: EDCI 800 or 805, 802, 807, 811, 808 or 809
- Concentration Electives: 6 semester hours selected from EDL 730, 732, 750, 760, 877, or 878
- Internships: EDL 883, 884
- Dissertation (6 semester hours): EDL 899. Oral defense required.



### Educational Administration:

- Leadership Core: EDCI 800, 805, EDL 800, 810, 820, 876, 895, 896
- Research Core: EDCI 706, 711, 806, 895
- Concentration Electives: 12 semester hours selected from: EDCI 709, 802, EDL 715, 730, 732, 740, 750, 877, or 878
- Internships: EDL 883, 884
- Dissertation (6 semester hours): EDL 899. Oral defense required.

**Doctoral Program Requirements.** A minimum of 18 hours of full-time study in residence is required. The residency may be completed in two consecutive semesters and a summer session.

Candidates must complete the doctoral program within seven years from the date of admission. Students must be continually registered in the program during the regular academic year. Students may take research, continuing registration, and/or topics courses after they have attained the 60-semester hour requirement.

## Admission Requirements for the Doctor of Education Degree

Students in the Doctor of Education Program select one of three concentrations: (1) Community College/Higher Education; (2) Curriculum and Instruction; or (3) Educational Administration. Admission requirements for each concentration follow:

### Community College/Higher Education

- Master's degree in administration. If master's degree is not in administration, the student may be required to take pre-requisites.
- 3 years leadership experience in community college or higher education institutions

### Curriculum and Instruction

- Master's degree
- Principal/superintendent licensure, C&I licensure, and/or extensive leadership experience
- Minimum 3 years teaching experience

### Educational Administration

- Master's degree
- Principal licensure
- Preferred administrative experience

### Licensure Options

Doctoral students in the Curriculum and Instruction and Educational Administration concentrations may be recommended for advanced licensure if they fulfill program requirements. The options for licensure include:

- Curriculum and Instruction: Curriculum and Instructional Specialist and/or Superintendent
- Educational Administration: Superintendent

Admission without the appropriate master's degree will be conditional, with the individual expected to complete either a master's degree program or prescribed coursework prior to being admitted as a candidate for the Ed.D. Applicants possessing the Ed.S. degree or credits toward the Ed.S. degree may have coursework that can reduce the number of hours required for the doctoral program. These applicants will be reviewed on a case-by-case basis and individual programs will be developed. In no case, however, will the requirement of one year of full-time residence be waived.

Applicants must have a grade point average of 3.5 on all previous graduate work and satisfactory scores on the Graduate Record Examinations.

Applicants who meet the described criteria will be interviewed by an admission committee of Educational Leadership and Foundations department faculty. The committee will assess such things as writing and communication skills, commitment to pursuing a career as an educational leader, the capacity for further graduate study, and the potential for a leadership role in schools. Additional information and materials may be requested.

### **Cooperative Ph.D. Program with Bowman Gray School of Medicine**

A cooperative graduate program between the Department of Biochemistry at Bowman Gray School of Medicine and WCU offers students a five-year plan leading to the Master of Science and Ph.D. degrees. Two years are spent at WCU and three years are spent at Bowman Gray.

## COURSE DESCRIPTIONS

**Credits and Class Meetings.** Unless specifically 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 the title of the course. For example, if three 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 three hours of credit and may be repeated once for a maximum of six hours applicable toward a degree.

**Prerequisites and Corequisites.** A prerequisite (PREQ) is any special requirement, usually one or more background courses or requirements, in addition to class rank, which a student must meet before enrolling in a course specifying the prerequisite. A corequisite (COREQ) is any course in which a student must enroll simultaneously with the course specifying the corequisite.

**Departmental and Course Prefixes.** The prefixes used to designate departments and 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.

**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 1 to 6 semester hours credit as determined by the department.

**Special Topics Course Policy.** Courses numbered 593, 594, 693 or 694 are for special topics that reflect a student's or faculty member's special interest not covered by regular departmental curriculum offerings. Credit in these courses varies from one to four credit hours, to be determined by the department for each offering. Students may take up to 12 hours of special topic credit in a single department/program. A particular topic course can be taught at most two times in a five-year period. If a department/program wishes to teach a particular topic course more than twice in a five year period, it must propose the course as a regular course, subject to the curriculum review process.

### Guide to Course Prefixes

Prefix	Field of Study	Department
ACCT	Accounting	Accountancy, Finance, and Entrepreneurship
ANTH	Anthropology	Anthropology and Sociology
ART	Art	Art
ASI	Arts and Sciences Interdisciplinary	College of Arts and Sciences
AST	Astronomy	Chemistry and Physics
BA	Business Administration	College of Business
BIOL	Biology	Biology
CHEM	Chemistry	Chemistry and Physics
CIS	Computer Information Systems	Business Computer Information Systems and Economics
CJ	Criminal Justice	Criminal Justice
CM	Construction Management	Kimmel School of Construction Management, Engineering and Technology
CMEM	Electronic Media	Communication, Theatre, and Dance
CMHC	Human Communication	Communication, Theatre, and Dance
CMPM	Print Media	Communication, Theatre, and Dance
CMPR	Public Relations	Communication, Theatre, and Dance
CMTA	Theatre Arts	Communication, Theatre, and Dance
COUN	Counseling	Human Services
CS	Computer Science	Mathematics and Computer Science

CSD	Communication Sciences and Disorders	Human Services
CSP	College Student Personnel	Educational Leadership and Foundations
ECON	Economics	Business Computer Information Systems and Economics
EDCI	Curriculum, Research, and Foundations	Educational Leadership and Foundations
EDEL	Elementary Education	B-K, Elementary and Middle Grades Education
EDHE	Higher Education	Educational Leadership and Foundations
EDL	Educational Leadership	Educational Leadership and Foundations
EDMG	Middle Grades Education	B-K, Elementary and Middle Grades Education
EDPY	Education and Psychology	College of Education and Allied Professions
EDRD	Reading	B-K, Elementary and Middle Grades Education
EDSU	Educational Supervision	Educational Leadership and Foundations
ENGL	English	English
ENT	Entrepreneurship	Accountancy, Finance, and Entrepreneurship
ENVH	Environmental Health	Health Sciences
ET	Engineering Technology	Kimmel School of Construction Management, Engineering and Technology
FIN	Finance	Accountancy, Finance, and Entrepreneurship
GEOG	Geography	Geosciences and Natural Resources Mgt.
GEOG	Geology	Geosciences and Natural Resources Mgt.
GERN	Gerontology	College of Applied Sciences
HIST	History	History
HR	Human Resources	Human Services
IBUS	International Business	Management and International Business
LAW	Business Law	Marketing and Business Law
MATH	Mathematics	Mathematics and Computer Science
M.B.A.	Master of Business Administration	College of Business
MET	Manufacturing Engineering Technology	Kimmel School of Construction Management, Engineering and Technology
MGT	Management	Management and International Business
MHS	Health Sciences	Health Sciences
MKT	Marketing	Marketing and Business Law
MUS	Music	Music
ND	Nutrition and Dietetics	Health Sciences
NSG	Nursing	Nursing
PA	Public Affairs	Political Science and Public Affairs
PAR	Philosophy and Religion	Philosophy and Religion
PE	Physical Education	Health and Human Performance
PHYS	Physics	Chemistry and Physics
PM	Project Management	Management and International Business
PRM	Parks and Recreation Management	Health and Human Performance
PSC	Political Science	Political Science and Public Affairs
PSY	Psychology	Psychology
PT	Physical Therapy	Physical Therapy
SCI	Science Education	Chemistry and Physics
SM	Sport Management	Health and Human Performance
SOC	Sociology	Anthropology and Sociology
SOCW	Social Work	Social Work
SPED	Special Education	Human Services
	Mental Retardation	
	Behavioral Disorders	
	Learning Disabilities	
	Severe & Profound Disabilities	
USI	University Studies	Academic Affairs
	Interdisciplinary	

## **Accounting (ACCT)**

### **601 Financial Analysis (3)**

Concepts of financial and industry analysis with emphasis on evaluation of corporate performance and financial strength.

### **605 Accounting Theory and Practice I (3)**

Conceptual framework of financial accounting, cash flows, financial statements, cash, receivables, inventories, property, plant, and equipment, intangibles, revenue recognition. PREQ: 275 or equivalent.

### **615 Accounting Theory and Practice II (3)**

Liabilities, stockholders' equity, investments, income taxes, pensions, leases, accounting changes, and disclosure issues. COREQ: 605.

### **616 Accounting Theory and Practice III (3)**

Consolidated financial statements, international accounting, not-for-profit accounting, and advanced issues. PREQ: 615.

### **620 Income Tax Theory and Applications (3)**

Federal income tax theory and research; corporations, partnerships, sub-S corporations, LLCs and LLPs, estates and trusts; advanced property transactions including tax deferred exchanges, conversions and recapture. PREQ: 355 or equivalent.

### **625 Advanced Accounting Information Systems (3)**

Hands-on emphasis, including Accounting software comparison and selection, database theory and application, and web development. Current technology issues and impact on Accounting profession are covered. PREQ: Admission to the M.Ac., M.B.A., or M.P.M. program.

### **640 Auditing (3)**

Standards and principles of internal and external auditing, regulatory agency promulgations, and application of the standards and principles to preparation of auditing opinion. PREQ: 615.

### **651 Managerial Accounting (3)**

Concepts underlying financial reports, management applications of cost, and accounting measurement. PREQ: M.B.A. 500 or equivalent.

### **662 Taxation and Business (3)**

Tax laws affecting business decisions involving capital expenditures; timing of income and expenditures; alternative financing.

### **682 Research Project in Accounting (3, R6)**

PREQ: Detailed project proposal must be approved by department head and director of graduate programs in business.

### **683 Accounting Internship (3)**

A full-time work situation providing in-depth experience in Accounting practices. S/U grading. PREQ: Permission of internship coordinator and either undergraduate degree in Accounting or completion of 9 hours of graduate level Accounting courses with a 3.0 GPA minimum.

### **684 Accounting Internship (3)**

A full-time work situation providing in-depth experience in Accounting practices. S/U grading. PREQ: Permission of internship coordinator and either undergraduate degree in Accounting or completion of 9 hours of graduate level Accounting courses with a 3.0 GPA minimum.

### **685 Accounting Internship (3)**

A full-time work situation providing in-depth experience in Accounting practices. S/U grading. PREQ: Permission of internship coordinator and either undergraduate degree in Accounting or completion of 9 hours of graduate level Accounting courses with a 3.0 GPA minimum.

### **693 Topics in Accounting (1-3, R6)**

PREQ: Permission of department head and director of graduate programs in business.

**779 Continuing Research-Non-Thesis Option (1, R10)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Must NOT be enrolled in a thesis program.

**Anthropology (ANTH)**

**514 Minority Groups (3)**

Relations between dominant and subordinate races and ethnic groups; historical and comparative aspects; African Americans, Chicanos, and Indians. This course is cross-listed with SOC 514.

**517 Southern Appalachian Culture (3)**

Stability and change in the sociocultural institutions of the region. PREQ: 260 or SOC 231.

**519 Comparative Family (3)**

The family as a social institution in various cultures. PREQ: 260 or SOC 231.

**531 North American Prehistory (3)**

Cultural history of the peoples of prehistoric North America, including Mexico. PREQ: 250 or permission of instructor.

**540 Archaeological Field Techniques (3)**

Basics of field work; surveying, photography, excavation, recording, and preservation techniques. PREQ: Permission of instructor.

**541 Archaeological Problems and Analyses (3)**

Experience in collecting and analyzing relevant archaeological data. PREQ: Permission of instructor.

**561 Indians of North America (3)**

Traditional and changing lifestyles of native North Americans; environmental adaptations, social organizations, religions, and arts. PREQ: 260 or permission of instructor.

**565 Cultures of South Asia (3)**

The cultures of India, Pakistan, Ceylon, Nepal, Afghanistan, and other South Asian countries. PREQ: 260.

**566 Folklore (3)**

Major forms, theories, and functions of lore among the world's cultures; collection, classification, and analysis of folklore. PREQ: Permission of instructor.

**573 Contemporary Cherokee Culture and Society (3)**

Present-day Cherokee culture and society; the effects of tourism and the reservation system on lifestyles. PREQ: 260 or permission of instructor.

**577 Cultures of subSaharan Africa (3)**

Cultural diversity and development in subSaharan Africa from earliest times to the present.

**581 Independent Study in Anthropology (1-2, R6)**

PREQ: Written application; approval of instructor and advisor.

**593 Topics in Anthropology (3, R6)**

PREQ: Permission of instructor.

**Art (ART)**

**531 Drawing Problems (1-9, R12)**

Individual studio projects. 6 Studio. PREQ: Permission of instructor.

**532 Design Problems (3, R6)**

6 Studio. PREQ: Permission of instructor.

**533 Painting Problems (1-9, R12)**

Individual studio projects. 6 Studio. PREQ: Permission of instructor.

**534 Printmaking Problems (1-9, R12)**

- Individual studio projects. 6 Studio. PREQ: Permission of instructor.
- 535 Book Art Problems (1-9, R12)**  
Individual studio projects. 6 Studio. PREQ: Permission of instructor.
- 544 Sculpture Problems (1-9, R12)**  
Individual studio projects. 6 Studio. PREQ: Permission of instructor.
- 551 Ceramics Problems (1-9, R12)**  
Individual studio projects. 6 Studio. PREQ: Permission of instructor.
- 553 Weaving Problems (3, R6)**  
6 Studio. PREQ: Permission of instructor.
- 561 Imaging and Digital Problems (1-9, R12)**  
Integration of video, photo imaging, computer imaging, animation and other electronic media. 6 Studio. PREQ: Permission of instructor.
- 563 Methods of Teaching Middle and High School Art (3)**  
The application of art and curriculum theory to art curriculum planning, classroom management, student exhibitions, and critical thinking in middle and high school art classrooms. Field experience required. 6 Studio.
- 564 Art Education Problems (3, R6)**  
PREQ: Permission of instructor.
- 565 Methods of Teaching Elementary School Art (3)**  
Planning and teaching age-appropriate, multicultural and integrated lessons based on theories of art and curriculum development for the diverse populations in elementary schools. Field experience required. 6 Studio.
- 571 Integrated Media Problems (1-9, R12)**  
Individual and collaborative research with various disciplines in the visual arts, dance, theater, music, the environmental and social sciences, architecture, and related areas. 6 Studio. PREQ: Permission of instructor.
- 582 Independent Study in Art Issues (6-Jan)**  
6 Studio. PREQ: Written proposal; permission of instructor.
- 586 Exhibition Practicum (3)**  
Designed to familiarize the student with organizational, administrative, and operational structures of an art gallery and museum including the introduction of planning, curating, and installing professional art exhibitions. PREQ: Permission of department head.
- 593 Topics in Studio Art (1-9, R12)**  
Projects, summer programs, or workshops. 6 Studio. PREQ: Permission of instructor.
- 596 Art History Seminar (3)**  
PREQ: Permission of instructor.
- 597 Contemporary Issues Seminar I (3)**  
Common seminar required of all majors with emphasis on contemporary issues in the art world and related disciplines. PREQ: Permission of instructor.
- 631 Drawing Studio (1-9, R15)**  
Advanced studio projects. 6 Studio. PREQ: Permission of instructor.
- 632 Design Studio (1-9, R15)**  
Advanced studio projects. 6 Studio. PREQ: Permission of instructor.
- 633 Painting Studio (1-9, R15)**  
Advanced studio projects. 6 Studio. PREQ: Permission of instructor.
- 634 Printmaking Studio (1-9, R15)**  
Advanced studio projects. 6 Studio. PREQ: Permission of instructor.
- 635 Book Arts Studio (1-9, R15)**  
Advanced individual studio projects. 6 Studio. PREQ: Permission of instructor.

- 644 Sculpture Studio (1-9, R15)**  
Advanced studio projects. 6 Studio. PREQ: Permission of instructor.
- 651 Ceramics Studio (1-9, R15)**  
Advanced studio projects. 6 Studio. PREQ: Permission of instructor.
- 652 Metals Studio (1-9, R15)**  
Advanced studio projects. 6 Studio. PREQ: Permission of instructor.
- 653 Graduate Weaving (3, R9)**  
6 Studio.
- 661 Imaging and Digital Studio (1-9, R15)**  
Advanced studio on integration of video, photo imaging, computer imaging, animation and other electronic media. 6 Studio. PREQ: Permission of instructor.
- 666 Photography Problems (3, R6)**  
6 Studio. PREQ: Permission of instructor.
- 667 Photography Studio (1-9, R15)**  
Advanced studio projects. 6 Studio. PREQ: Permission of instructor.
- 671 Integrated Media Studio (1-9, R15)**  
Continuation of individual and collaborative research with various disciplines in the visual arts, dance, theatre, music, environmental and social sciences, architecture, and other related areas. 6 Studio. PREQ: Permission of instructor.
- 673 Community Service Projects (3)**  
Individual or collaborative projects in the regional non-profit, educational or professional cultural community. S/U grading. 6 Studio. PREQ: Permission of instructor.
- 674 Studio Critique (1-9, R15)**  
Assessment of student work and progress from a team of visiting critics. 6 Studio. PREQ: Permission of instructor.
- 675 Professional Preparation (3)**  
Professional preparation of portfolio, exhibition, writing, resourcing and social skills. 6 Studio. PREQ: Permission of instructor.
- 680 Independent Study in Art Education (3, R6)**  
PREQ: Written proposal; permission of instructor.
- 681 Graduate Problems in Studio Art (1-9, R15)**  
6 Studio. PREQ: Permission of instructor.
- 682 Independent Study in Art Issues (6-Jan)**  
6 Studio. PREQ: Permission of instructor.
- 696 Contemporary Issues Seminar II (3)**  
Common seminar required of all majors with emphasis on contemporary issues in the art world and related disciplines. 6 Studio. PREQ: 597.
- 697 Seminar in Art Education (3, R6)**  
Philosophical, aesthetic, psychological, and curricular ramification of issues in art education.
- 698 Contemporary Issues Seminar III (3)**  
Common seminar required of all majors with emphasis on contemporary issues in the art world and related disciplines. 6 Studio. PREQ: 597, 696.
- 699 Thesis Exhibition (6)**  
Written thesis and solo exhibition with oral defense. PREQ: Permission of instructor.
- 779 Continuing Research—Non-Thesis Option (1, R10)**  
See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Must NOT be enrolled in a thesis program.
- 799 Continuing Research—Thesis Option (2, R24)**  
See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree



Requirements Section of the Graduate Catalog. *S/U* grading. These hours will not count toward fulfilling degree requirements. PREQ: Student must be enrolled in a thesis program.

### **Arts and Sciences Interdisciplinary Courses (AST)**

#### **593 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.

#### **594 Topics in Cherokee Studies (3, R6)**

Various topics in Cherokee Studies such as anthropology, history, sociology, and literature. PREQ: Permission of instructor.

#### **634 Methods, Theories and Critiques in Cherokee Studies (3)**

Methods, theories and responses in Native American and Cherokee Studies. PREQ: Permission of instructor.

#### **697 Cherokee Studies Research Seminar (3)**

Methods, theories, and Native American perspectives integrated in a major research paper or project. Independent research required. PREQ: 634.

### **Astronomy (AST)**

#### **601 Astronomy for Teachers (3)**

Solar and stellar astronomy; methods and materials for elementary and secondary teaching.

### **Business Administration (BA)**

#### **589 Cooperative Education Experience (3)**

An elective in addition to existing program requirements. *S/U* grading. PREQ: Minimum of 9 hours at the 600 level with at least a B average.

#### **593 Current Topics in Business Administration (1-3, R4)**

New or innovative approaches to solving business problems. Not available for credit toward graduate degrees in the College of Business. PREQ: Permission of instructor and director of graduate programs in business.

#### **682 Independent Research Project (3)**

Supervised, student initiated research project. Three supervised contact hours with instructor. PREQ: Permission of department head and Director of Graduate Program.

#### **693 Topics in Business Administration (3, R6)**

PREQ: Permission of department head and director of graduate programs in business.

#### **779 Continuing Research—Non-Thesis Option (1, R10)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. *S/U* grading. These hours will not count toward fulfilling degree requirements. PREQ: Must NOT be enrolled in a thesis program.

### **Biology (BIOL)**

#### **513 Principles of General Microbiology (3)**

Survey of microorganisms emphasizing morphology, physiology, and ecology; microorganisms and disease; environmental and applied microbiology. Not open to students with credit in 313.

#### **514 Methods of General Microbiology (2)**

Microscopy; morphological, cultural, physiological, and serological characteristics of microorganisms; microbiology of food, water, and soil. 6 Lab.

#### **515 Plant Physiology (3)**

Plant metabolism, effects of hormones and light on plant growth and development. Transport and translocation of water and solutes. Plant stress physiology.

#### **516 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 embryo-

genesis, vegetative growth, plant pathogen interaction, and reproduction.

**517 Biochemistry (3)**

The metabolism of carbohydrates, lipids, nucleic acids, and proteins in plant and animal systems.

**519 Cell Biology (4)**

Structure, function and techniques for the study of cells. 3 Lecture 3 Lab.

**520 Darwin's Origin of Species (PREQ: Graduate status.)**

"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.

**525 Flora of the Southern Appalachians (4)**

Taxonomy of flowering plants of the region; family relationships; use of keys for identification; recognition, collection, documentation, and preservation of specimens. One weekend collecting field trip. 2 Lecture 6 Lab.

**534 Terrestrial Ecology (4)**

Populations, ecosystems, community structure, and dynamics; major North American biomes; field and descriptive methods; required weekend field trips. 2 Lecture 6 Lab/Field.

**535 Aquatic Ecology (4)**

Biological, physical, and chemical components and processes in lakes and streams; field studies of local lakes and their biota. 2 Lecture 6 Lab.

**543 Evolutionary Processes (3)**

Mechanisms of evolution; emphasis on current research and hypotheses such as group selection, kin selection, r and K selection, and sympatric speciation.

**551 Biology of Fungi (4)**

Slime molds and true fungi; life histories, morphology, host-parasite relationships, fine structure, and phylogeny. 3 Lecture 3 Lab.

**553 Principles of Systematics (3)**

Principles and methods used in describing animal and/or plant taxa and in testing hypotheses of evolutionary relationships; individual research projects on the systematics of selected taxa.

**555 Vascular Plants (4)**

Biology of the higher plants; club and small club mosses, quillworts, scouring rushes, ferns, gymnosperms, and angiosperms in living and fossil form. 3 Lecture 3 Lab.

**557 Biology of Algae (4)**

Life histories, morphology, reproduction and phylogeny of the algae. 3 Lecture 3 Lab.

**566 Aquaculture (1)**

Introduction to commercial practices for the production of fish; review of the generic elements involved in aquaculture systems with examples of aquatic farming; examination of problems related to industry.

**567 Biostatistics (3)**

Statistical concepts and methods for biologists, design of experiments for computer analysis by ANOVA, single or multiple regression, principal components. 2 Lecture 2 Lab. PREQ: An elementary statistics course or permission of instructor.

**570 Biology of Arthropods (4)**

Functional morphology, physiology, natural history, and systematics of the arthropods; field/lab emphasis on spiders. 2 Lecture 6 Lab.

**571 Animal Behavior (4)**

Mechanisms, development, functional significance, and evolution of behavior; individual research projects, films, and discussions in lab. 3 Lecture 3 Lab.

**573 Microbial Ecology (4)**

Ecology of Archaea and Bacteria. Population and community detection, diversity, and roles in biogeochemical cycling using cultivation and molecular techniques. 3 Lecture 3 Lab. PREQ: 304 and 413 or 414. COREQ: 573 Lab.

**576 Contemporary Fisheries (4)**

Biological concepts and alternative management practices involved in the protection, conservation, restoration, augmentation, and cultivation of fisheries resources. 3 Lecture 3 Lab.

**589 Cooperative Education in Biology (3, R6)**

S/U grading. Only 3 hours apply toward degree. PREQ: Minimum of 9 hours of graduate courses with at least a B average and approval of department head, advisor, and cooperative education coordinator.

**593 Advanced Studies in Biology (1-6, R12)**

PREQ: Permission of department head.

**612 Principles of Chemical Ecology (3)**

Biochemistry, physiology, and function of secondary compounds stressing alkaloids, phenolics, and terpenoids.

**613 Molecular Biology (3)**

Principles of molecular/cellular biology for secondary teachers.

**614 Principles of Chemical Ecology Laboratory (2)**

Techniques for isolating, identifying, and studying biological functions of alkaloids, phenolics, and terpenoids. 6 Lab. COREQ: 612.

**632 Biogeography (3)**

Plant and animal distribution; ecological and historical factors contributing to distribution of the earth's biota.

**672 Ichthyology (4)**

Systematics, life history, ecology, and identification of groups of fishes; collection of local fishes. 2 Lecture 6 Lab/Field.

**693 Topics in Biology (1-6, R12)**

PREQ: Permission of department head.

**694 Topics in Biology (1-6, R12)**

S/U grading. PREQ: Permission of department head.

**697 Introduction to Graduate Studies in Biology (2)**

An introduction to teaching methods, experimental design, and methods of computer literature searching and Internet access.

**699 Thesis (3, R12)**

Only 6 semester hours may be applied toward degree.

**779 Continuing Research—Non-Thesis Option (1, R10)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Must NOT be enrolled in a thesis program.

**799 Continuing Research—Thesis Option (2, R24)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Student must be enrolled in a thesis program.

**Birth Kindergarten (BK)****513 Literacy (3)**

Advanced study of emergent literacy in young children from a developmental and constructivist perspective. Includes regular observation and data collection. PREQ: PSY 624.

**514 Numeracy (3)**

Advanced study of emergent numeracy in young children from a developmental and constructivist perspective. Includes regular observation and data collection. PREQ: PSY 624.

**566 Infant Development (3)**

Genetics, prenatal development, health, learning, perception, cognition, language, attachment, social development, environmental influences, family, culture, intervention programs.

PREQ: PSY 624.

**570 Advanced Early Childhood Curriculum (3)**

Critical analysis and discussion of the works of various scholars and theorists, past and present, who have created early childhood curriculum. PREQ: PSY 624.

**588 Internship/Field Experiences (3)**

Observing, planning, teaching, and evaluating young children with and without disabilities in a variety of settings. 5 days/week, full-time. PREQ: EDCI 602, PSY 624, BK 570.

**603 Current Family Theory and Research (3)**

Professional family theory and research; sources of research data and information. PREQ: EDCI 602.

**607 Action Research in Early Childhood (3)**

Development, implementation, and evaluation of action research addressing an issue or trend in early childhood education. PREQ: EDCI 602, PSY 624, BK 570.

**Chemistry (CHEM)**

**532 Instrumental Analysis II (3)**

Advanced environmental, biological, and materials applications of modern chemical instrumentation.

**541 Advanced Organic Chemistry (3)**

Synthetic methods and mechanistic study to include selected topics emphasizing relationships between structure and reactivity. PREQ: 242 and 370.

**542 Introduction to Organic Polymers (3)**

Linear and cross-linked polymers; selected topics emphasizing relationships between structure and properties. PREQ: 370.

**553 Physical Chemistry II (3)**

Quantum mechanics; introduction to molecular spectroscopy; applications of thermodynamics. PREQ: 352, MATH 255, and PHYS 230.

**554 Computer Interfacing (3)**

Digital logic, computer design; interfacing computers to laboratory instruments. 2 Lecture 3 Lab. PREQ: Permission of instructor.

**561 Environmental Chemistry (3)**

Sources, reactions, transport, effects, and fates of chemical species in water, soil, air, and living environments. PREQ: 352.

**562 Molecular Bioinformatics (3)**

Provides experience in the computer analysis of DNA and protein sequences, interrogating gene bank databases, and predicting protein structures and functions. 2 Lecture 3 Lab. PREQ: 361 or permission of instructor.

**563 Molecular Biotechnology (3)**

Overview of modern biotechnology from a molecular perspective.

**564 Genomics (3)**

Molecular aspects of cellular genomes.

**570 Advanced Instrumental Analysis Laboratory (1)**

Practical environmental, biological, and materials applications of modern chemical instrumentation.

**589 Cooperative Education in Chemistry (3, R6)**

S/U grading. Only 3 semester hours may be applied toward a degree. PREQ: Minimum of 9 hours of graduate courses, minimum B average in graduate work, and approval of department head, advisor, and cooperative education coordinator.

**593 Topics in Chemistry (1-3, R6)**

Lecture, Lecture/Lab, Lab or Seminar. PREQ: Permission of department head.

**621 Graduate Inorganic Chemistry (3)**

Structure and bonding in inorganic compounds; acid-base theory; coordination complexes of transition metals; introduction to crystal-field and ligand-field theory.

**652 Graduate Physical Chemistry (3)**

Overview of chemical thermodynamics, kinetics, and quantum mechanics.

**691 Topics in Chemical Education (1-3, R9)**

PREQ: High school chemistry teaching experience; permission of department head.

**692 Topics in Inorganic Chemistry (3, R6)**

**693 Topics in Analytical Chemistry (3, R6)**

**694 Topics in Organic Chemistry (3, R6)**

**695 Topics in Physical Chemistry (3, R6)**

**696 Seminar in Chemistry (1, R3)**

**698 Research in Chemistry (3, R15)**

Only 9 semester hours may be counted toward a degree. PREQ: Permission of Thesis Research Advisory Committee.

**699 Thesis (3, R9)**

Only 3 semester hours may be counted toward a degree. PREQ: CHEM 698 and permission of Thesis Research Advisory Committee.

**779 Continuing Research—Non-Thesis Option (1, R10)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Must NOT be enrolled in a thesis program.

**799 Continuing Research—Thesis Option (2, R24)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Student must be enrolled in a thesis program.

**Computer Information Systems (CIS)**

**605 Managerial Communication (3)**

Formal managerial communication for decision-making with strong emphasis on written and oral presentation skills: includes intranet, extranet, policies, and mission statements.

**651 Information Systems for Competitive Advantage (3)**

Fundamentals of information systems, use of information systems to gain competitive advantage, and IT as an agent for change in organizations. PREQ: M.B.A. 500, 505, 510, 515, 520, 525, or equivalents.

**661 Systems Analysis and Development (3)**

Analysis and development of information systems (small, workgroup, and enterprise systems) using recent technology. Students develop, implement, and test client-server and/or Web-based information systems.

**662 Database Management Systems (3)**

Centralized information system design and implementation for business applications, logical system model, physical model, and database application development.

**682 Research Project in Computer Information Systems (3, R6)**

Research projects dealing with analysis, design, development, testing, implementation, security, tools, languages, or other topics related to information systems of the present or the future. PREQ: Detailed project proposal must be approved by department head and director of graduate programs in business.

**693 Topics in Information Systems (1-3, R6)**

Current and emerging topics in information systems. PREQ: Permission of department head and director of graduate programs in business.

## **Criminal Justice (CJ)**

### **593 Special Topics in Criminal Justice (1-3, R9)**

Alternating topics of relevance to the justice system. PREQ: Approval of the department head.

### **620 Criminal Justice Administration (3)**

Problems, policies, and practices related to executive action and administration in the justice system. PREQ: 250 or permission of instructor.

### **650 Criminal Justice/Criminological Theory (3)**

Advanced analysis of criminological theories from their inception in the 18th century to present in order to explore crime causation, control, and societal responses.

### **652 Research Methods (3)**

Advanced research planning, design and proposal writing; review of related literature; quantitative and qualitative data collection instruments; data analysis techniques.

### **670 Criminal Justice Policy (3)**

An examination of social, political, and systemic policy that pertain to criminal justice issues, and the impact these policies have on our society and justice system.

### **675 Ethics in Criminal Justice (3)**

An examination of ethical issues in the various components of the criminal justice system.

### **680 Independent Study in Criminal Justice (3, R6)**

PREQ: Permission of instructor.

## **Construction Magement (CM)**

### **650 Project Management Systems (6)**

An overview of the project management framework and knowledge areas; the strategic context of projects; introduction to project management tools. PREQ: Completion of PM 500, 505, 515, or their equivalents.

### **651 Research in Construction (1)**

This course provides an overview of issues in research and teaching construction management in higher education as a career. PREQ: Admission to the M.C.M. program.

### **652 Project Plan Development (6)**

Human resources, legal, financial, and logistical principles for project planning; preparation of initial project plan documentation. PREQ: 650.

### **654 Project Plan Analysis and Approval (6)**

Integration of human resource, legal, financial, and logistical aspects of projects; preparation and presentation of final project plans. PREQ: 652.

### **655 Construction Informatics (6)**

This course studies issues related to representation, processing, and communication of information in humans and software. PREQ: 654 and admission to the M.C.M. program.

### **657 Construction Marketing and Development (6)**

This course will investigate the tenants of like service industries and compare those in the built environment. PREQ: 654 and admission to the M.C.M. program.

### **659 Advanced Topics in Construction Management (6)**

This course focuses on three current topics, their reasons for development, progress, and affect on the industry. PREQ: 654 and admission to the M.C.M. program.

## **Electronic Media (CMEM)**

### **593 Selected Topics (3)**

## **Human Commnication (CMHC)**

## **593 Selected Topics (3)**

### **Print Media (CMPM)**

## **593 Selected Topics (3)**

### **Public Relations (CMPR)**

## **593 Selected Topics (3)**

### **Theatre Arts (CMTA)**

## **586 Theatre Production (3)**

PREQ: Permission of instructor.

## **593 Selected Topics in Theatre Arts (3)**

### **Counseling (COUN)**

## **600 Individual and Group Helping Skills (3)**

Exploration of helping roles; individual interviewing skills, group process skills demonstration, role playing, and recordings; for noncounseling majors.

## **601 Professional Orientation (1)**

Introduction to counseling profession: roles; history; professional issues; ethical and legal concerns.

## **602 Professional and Ethical Issues in Counseling (3)**

Orientation to counseling profession, history, credentials, roles and current issues; ethical and legal issues, including client rights, professional relationships, and advocacy.

## **605 The Helping Relationship (3)**

Analysis of the helping relationship; development of helping skills; demonstrations, role playing, and recordings; professional orientation; ethical issues; on-campus laboratory experience required. PREQ: Admission to graduate program in counseling.

## **610 Family Counseling (3)**

Survey of basic family counseling theories: structural, strategic, systemic, experiential, and intergenerational. PREQ: 630, 631 or permission of instructor.

## **611 Couples Counseling (3)**

Study of diverse couple relationships from systemic and developmental theoretical perspectives; problem areas couples may face and treatment considerations will be explored.

## **615 Multicultural Counseling (3)**

Social and cultural considerations in counseling; study of ethnic groups, subcultures, changing roles of women, use of leisure time, differing life patterns and their implications for counseling. PREQ: Admission to graduate program in counseling or permission of instructor.

## **617 Substance Abuse Counseling (3)**

A systems-based study of substance abuse and its effects upon the individual, family, and community; implications for counseling the substance abuser.

## **620 Counseling Children and Adolescents (3)**

Individual and group counseling approaches for use with children and adolescents, focusing on both developmental and remedial methods. PREQ: Permission of instructor.

## **623 Introduction to Community Counseling (3)**

Concepts and current practices in counseling in community-agency settings; consideration of a model community counseling program.

## **624 Community Counseling Grant Writing and Program Management (3)**

Advanced course examining issues and trends in community counseling. Needs assessment, funding, managing, and supervising counseling practices in public and private settings.

- 625 Counseling: Developmental Perspectives (3)**  
Counseling issues related to social, cognitive, physical, and personality factors in human life span development. PREQ: Admission to graduate program in counseling or permission of instructor.
- 630 Theories of Counseling (2)**  
Selected theories of counseling; development of personal model of counseling. PREQ: 605. COREQ: 631.
- 631 Techniques of Individual Counseling (1)**  
Applications of counseling theories: demonstrations, supervised practice, role playing. PREQ: 605. COREQ: 630.
- 633 Crisis Intervention Counseling (3)**  
Theory and strategy in crisis intervention counseling, role playing, and modeling; participation and skill development stressed. PREQ: 605 or permission of instructor.
- 635 Group Methods in Counseling (3)**  
Theories, techniques, materials, and procedures used in group interaction; participation in group processes required. PREQ: 605. PREQ or COREQ: 630, 631.
- 637 Creative and Expressive Arts in Counseling (3)**  
Introduction to various expressive and creative modalities to compliment and enhance the counseling process.
- 640 Measurement and Appraisal in Counseling (3)**  
Statistical concepts in testing and measurement; selection, administration, and interpretation of tests and other appraisal methods. PREQ: Admission to graduate program in counseling or permission of instructor.
- 645 Consultation and Collaboration (3)**  
Role of the counselor as consultant and collaborator; models, roles, and skills; ethical and multicultural issues.
- 650 Career Development (3)**  
Philosophy, theory, and research in career development and vocational choice processes; career information resources; applicability to special groups. PREQ: Admission to graduate program in counseling or permission of instructor.
- 655 Career Counseling (3)**  
Approaches to career counseling; occupational analysis; synthesis of personal counseling, information, and assessment in career counseling. PREQ: 650. PREQ or COREQ: 630 and 640.
- 660 School Counseling Program Development (3)**  
Organization, maintenance, evaluation, and improvement of developmental K-12 school counseling programs; relationship to total school program.
- 665 Implementing School Counseling Program (3)**  
An advanced course in school counseling. Implementation of comprehensive K-12 developmental school counseling programs; models, strategies, and interventions to work effectively as school counselors at different school levels. PREQ or COREQ: 686.
- 667 The DSM and Effective Treatment Planning in Counseling (3)**  
The primary goal of this course is to provide students with the skills necessary to formulate effective treatment plans and use the DSM in a counseling setting. PREQ: 605 or permission of instructor.
- 670 Research in Counseling (3)**  
Applications of research and program evaluation methodologies in counseling.
- 677 Spirituality in Counseling (3)**  
Significance of spiritual and religious practices, beliefs for counseling clients; examination of various counseling approaches for integrating spiritual/religious issues into counseling.
- 680 Independent Study in Counseling (3)**  
PREQ: Advanced standing; permission of advisor.



**686 Practicum in Counseling (3)**

Application of skills in settings that approximate employment; audiotapes and tapescripts required; 150 contact hours required. S/U grading. PREQ: 605, 615, 630, 631 and approval by counseling faculty.

**687 Internship in Counseling (3, R6)**

Supervised, on-site experience in various counselor employment settings. S/U grading. 3 Lab. (Only three hours may be applied toward degree). PREQ: 686 and approval by counseling faculty.

**695 Seminar in Counseling (3)**

PREQ: Advanced standing; permission of instructor.

**779 Continuing Research - Non-Thesis Option (1, R10)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Must NOT be enrolled in a thesis program.

**784 Internship in Counseling (3)**

Supervised, in-depth experience in counseling settings; recommendation of advisor. S/U grading.

**799 Continuing Research - Thesis Option (2, R24)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Student must be enrolled in a thesis program.

**Computer Science (CS)****552 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.

**555 Computer System Performance Analysis (3)**

Performance evaluation of computer systems and computer networks; measurement and benchmarks, simulation, and analytical models (stochastic processes and queuing theory). PREQ: 370 and MATH 270.

**560 Compiler Construction II (3)**

Continuation of course 460; symbol tables, principles, scope rules, type rules; structures from specific languages; run-time models; code generation and optimization; error recovery; term project. PREQ: 460.

**564 Microcomputer Development (3)**

Software and hardware development and interfacing for dedicated microcomputer applications. 2 Lecture 2 Lab. PREQ: PHYS 302 or IT 371.

**565 Computer Networks (3)**

Protocol layers, error control, media access, routing, congestion control, TCP/IP, name resolution, socket programming, client-server, interface definition languages, component APIs. PREQ: 151 and 250.

**580 Artificial Intelligence (3)**

Machine intelligence; problem reduction, state space search, game trees, expert systems, resolution principle; introduction to LISP. PREQ: 351.

**593 Selected Topics in Computer Science (1-6, R6)**

PREQ: Permission of department head.

**Communication Sciences and Disorders (CSD)****551 Sign Language I (3)**

Basic beginning sign-language skills, receptive and expressive; cultural issues.

- 552 Sign Language II (3)**  
Advanced sign-language skills, receptive and expressive; cultural issues. PREQ: 551 or equivalent.
- 576 Language Disorders in Children (3)**  
Analysis of childhood language disorders; evaluation and implementation of treatment approaches. PREQ: 301, 370, 471 or equivalent.
- 594 Topics in Communication Disorders (1-3, R6)**  
PREQ: Permission of instructor.
- 595 Seminar in School Practice (3-Jan)**  
Current issues in school practice; application of research to assessment and intervention. 1-3 Seminar. PREQ: Permission of instructor.
- 620 Infant Toddler Communication (3)**  
This course describes the acquisition of communication and language in the first 30 months of life.
- 630 Professional Issues in Communication Sciences and Disorders (3)**  
Review and analysis of professional issues that impact services delivery in communication sciences and disorders and strategies for addressing the issues.
- 640 Voice Disorders (3)**  
The etiology, diagnosis, and treatment of voice disorders. Current issues in the management of voice problems.
- 647 Language Disorders (3)**  
Advanced study of current language assessment/intervention techniques.
- 648 Language Disorders - School Age (3)**  
Current issues in language and learning disabilities; application of research to assessment and intervention.
- 660 Psychology of the Hearing-Impaired (3)**  
Effects of congenital and acquired auditory-sensory deprivation on the development and maturation of the hearing-impaired; habilitation, counseling, and management is stressed.
- 662 Articulation and Phonological Disorders (3)**  
Current issues in articulation and phonology; application of research to assessment and intervention.
- 663 Communication Problems of Aging (3)**  
Survey of communication problems and their remediation in geriatric populations.
- 668 Language Disorders—Preschool (3)**  
Analysis of language disorders among the preschool population: Evaluation and implementation of treatment approaches.
- 670 Fluency Disorders (3)**  
Theory, assessment, and treatment of stuttering and other fluency disorders in children and adults.
- 672 Language Disorders in Adults (3)**  
Theory, diagnosis, and treatment of adult language disorders.
- 673 Neurogenic Speech Disorders (3)**  
Theory, diagnosis, and treatment of neurogenic speech disorders including apraxia, dysarthria, cerebral palsy, and dysphagia.
- 674 Diagnostics (3)**  
Clinical procedures used in evaluating communication disorders.
- 675 Management of Communication Disorders (3)**  
Analysis of clinical methods proven useful in the treatment of communicatively handicapped individuals across the lifespan.
- 676 Management of Orofacial Anomalies (3)**

Etiology, diagnosis, and treatment of communication disorders associated with orofacial anomalies.

**677 Dysphagia (3)**

Diagnosis and treatment of persons with feeding and/or swallowing disorders.

**678 AAC Assessment and Intervention (3)**

Study of augmentative/alternative communication systems and assessment/intervention strategies for persons with severe disabilities.

**681 Independent Study—Master's Project (3)**

Directed Research Project. PREQ: Permission of instructor.

**682 Research in Communication Disorders (3)**

Study and application of research designs and statistics in communication disorders.

**683 Clinical Practicum (1-3, R15)**

Supervised clinical experiences in varied settings. 3 Clinical experience. PREQ: Permission of instructor.

**695 Seminar in Articulation and Phonology (1-3, R3)**

Current issues in articulation and phonology; application of research to assessment and intervention. Seminar 1-3. PREQ: Permission of instructor.

**696 Seminar in Language (3-Jan)**

Current issues in language acquisition; application of research to assessment and intervention. Seminar 1-3. PREQ: Permission of instructor.

**697 Seminar in Fluency (3-Jan)**

Current issues in fluency disorders; application of research to assessment and intervention. Seminar 1-3. PREQ: Permission of instructor.

**698 Seminar in Voice (1-3, R3)**

Current issues related to the diagnosis and treatment of functional-organic disorders; application of research to assessment and intervention. PREQ: Permission of instructor.

**699 Thesis (3, R6)**

PREQ: 682 or EDCI 602 and permission of instructor.

**779 Continuing Research—Non-Thesis Option (1, R10)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Must NOT be enrolled in a thesis program.

**793 Topics in Severe Disabilities I (3)**

Introductory graduate seminar addressing communicative abilities and needs of persons with severe disabilities and autism. PREQ: Admission to the WCU Communication Disorders Program in Severe Disabilities.

**794 Topics in Severe Disabilities II (3)**

Second seminar addresses communication-based practice issues for persons with severe disabilities and autism.

**799 Continuing Research—Thesis Option (2, R24)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Student must be enrolled in a thesis program.

**College Student Personnel (CSP)**

**530 College Student Subcultures and Student Characteristics (3)**

Overview of various college student subcultures and characteristics of today's college students; examination of professional approaches to development of the students within each culture.

**593 Topics in College Student Personnel (1-3, R9)**

PREQ: Permission of instructor.

**605 Introduction to College Student Personnel (3)**

Introduction to student affairs in higher education focusing on the foundations of the profession, theoretical bases, models of practice, and employment competencies.

**611 Organization and Administration of College Student Personnel Services (3)**

An analysis of organizational structures used in college student affairs. Administrative responsibilities of college student affairs professionals including planning, budgeting, and working with other units.

**621 Theories of College Student Development (3)**

Overview of theories of student development most widely accepted in student affairs professional circles.

**630 Legal Issues for College Student Personnel (3)**

Examination of the regulatory, statutory and case law that governs the operation of institutions of higher education with particular emphasis on student affairs issues.

**683 Internship I (1-3, R6)**

Supervised practicum in college student personnel programs. Three-four hours of field-based practica per week per one credit hour. PREQ: 605 and permission of advisor.

**684 Internship II (1-3, R6)**

Advanced supervised practicum in college student personnel programs. Three-four hours of field-based practica per week per one credit hour. PREQ: Permission of advisor.

**685 Internship III (1-3, R6)**

Advanced supervised practicum in college student personnel programs. Three-four hours of field-based practica per week per one credit hour. PREQ: Permission of advisor.

**693 Topics in College Student Personnel (1-3, R9)**

PREQ: Permission of instructor.

**695 Seminar in College Student Personnel (3)**

This seminar is the capstone course for the program, integrating theory with practice. It includes in-depth discussion of current trends and issues through case studies. PREQ: Permission of advisor.

**Economics (ECON)**

**607 Managerial Economics (3)**

Application of the analytical tools of economic theory to decision making by management.

**608 Business and Managerial Forecasting (3)**

Analysis of current and prospective levels of national economic activity; emphasis on the art and science of forecasting future business conditions using available business indicators.

**609 International Economics (3)**

International trade and capital movements, balance of payments, barriers to trade, international economic policies.

**682 Research Project in Economics (3, R6)**

PREQ: Detailed project proposal must be approved by department head and director, graduate programs in business.

**693 Topics in Economics (3, R6)**

PREQ: Permission of department head and director of graduate programs in business.

**Curriculum, Research and Foundations (EDCI)**

**503 Social Studies in the Secondary School (3)**

Curriculum, materials, and methods for in-service teachers.

**602 Methods of Research (3)**

Concepts, methodologies, and procedures in educational research; problem identification, research design, basic data analysis, and applications to educational problems.

**603 Comparative Education (3)**

Comparison of educational systems in selected cultures.

**604 Curriculum Development (3)**

Fundamentals of curriculum planning with special emphasis on relating research, theory, and practice.

**605 Foundations of Modern Education (3)**

Problems of education today; social, economic, political, and philosophical influences.

**612 Principles and Application of Educational Research Methods and Analysis (3)**

Study of research skills useful in administrative decision making; location and synthesis of existing research, research techniques, testing/measurement issues.

**613 The Teacher Leader (3)**

Students explore the changing roles that teachers have played in American schools, focusing on current formal and informal opportunities for leadership. PREQ: Admission to the MAED or MAT program.

**615 Philosophy, History, and Sociology of Education (3)**

The exploration of philosophical, historical, and social influences on American Education. Special emphasis on how these issues confront school leaders.

**617 Methods and Practices for Learning in Content Areas (3)**

Study of the ways in which young people learn and the teaching strategies and tools that facilitate their learning. Should be taken in first 12 hours. PREQ: Admission to the MAT program.

**689 Internship in Secondary Education and Special Subjects Areas (3, R9)**

Supervised clinical experience in a school setting. Nine hours per week in field. PREQ: Permission of instructor.

**695 Seminar in Reflective Practice in Teaching (3)**

Seminar concurrent with clinical teaching practice. For MAT students only. PREQ: Permission of instructor. COREQ: 689.

**699 Thesis (4)**

**700 Philosophy of Education (3)**

Major educational philosophies; analysis of problems.

**702 Research Seminar in Curriculum (3)**

PREQ: Permission of department head.

**706 Statistical Analysis in Research (3)**

Descriptive and inferential statistical procedures used in data description and hypothesis testing.

**709 Educational Testing and Assessment (3)**

Selecting assessment techniques; interpreting test results; philosophical, ethical issues in testing and assessment; applications to classroom, district, and state testing programs.

**711 Qualitative Research (3)**

Explores issues and methods surrounding research that utilizes interpretive, open-ended formats, and focuses on understanding complex social, political, and educational issues.

**779 Continuing Research—Non-Thesis Option (1, R10)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Must NOT be enrolled in a thesis program.

**793 Topics in Education (1, R3)**

PREQ: Permission of instructor.

**796 Research Seminar in Curriculum & Instruction (3)**

Investigation and analysis of the patterns, issues and trends in curriculum development and practice in American education.

**799 Continuing Research—Thesis Option (2, R24)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Student must be enrolled in a thesis program.

**800 Issues in Rural Education (3)**

Issues in providing education to rural communities; unique problems and opportunities of rural schools; instructional adaptations in rural settings.

**801 Meta Theory: Research Review and Applications (3)**

The study of techniques and resources which are employed in the evaluation and synthesis of research and evidence. PREQ: 606.

**802 Program Evaluation for Educational Leaders (3)**

Addresses the range of approaches within education program evaluation, the standards established by the profession, and the skills needed to conduct program evaluation.

**805 Advanced Studies in the Foundations of Education (3)**

Advanced studies in the historical, social, political, and philosophical influences on education and schooling in the United States.

**806 Advanced Research Methods (3)**

Logic, techniques, limitations, and applications of case-studies, survey methods, causal comparative methods, and modeling; emphasis upon use in decision making.

**807 Cognitive Issues in Curriculum and Instruction (3)**

Fundamentals of cognition, with emphasis on application to instructional design and learning environments; current research and special topics in cognition.

**808 Advanced Studies in Teaching Methods (3)**

Examines alternative models of instruction and their roots in learning theory.

**809 Current Literature in the Leadership of Curriculum and Instruction (3)**

Students construct insight relating the literature on school leadership to contemporary thinking on curriculum and instruction.

**811 Curriculum Theory (3)**

Students construct insight relating leadership to the philosophical, theoretical and historical foundations of curriculum and educational improvement through independent research and peer collaboration.

**895 Doctoral Research Seminar (3)**

Exploration of an area of research interest, problem development, and the creation of an appropriate research strategy for addressing the problem. S/U grading.

**Elementary Education (EDEL)**

**566 Computers in Education (3)**

Introduction to the use of computers in school settings; emphasis on instructional applications, issues, and trends.

**567 Adolescent Literature (3)**

The reading development and reading interests of adolescents; evaluation criteria; instructional strategies; this course requires comprehensive reading of a wide genre of books.

**580 Independent Study (3)**

PREQ: Permission of department head.

**593 Topics in Elementary Education (3)**

**601 Elementary School Curriculum (3)**

Content and methods; evaluation of practices and recent developments.

**603 Elementary Science Curriculum (3)**

Curricular development and research in teaching science; current issues and trends.

**604 Elementary Social Studies Curriculum (3)**

Curricular development and research in teaching social studies; current issues and trends.

**605 Elementary Math Curriculum (3)**

Curricular development and research in teaching math; current issues and trends.

**606 Elementary Language Arts Curriculum (3)**

Curricular development and research in teaching language arts; current issues and trends.

**607 Mathematical Problem-Solving in the Elementary/Middle School (3)**

Teaching methods, issues, and curriculum development of mathematical problem solving strategies appropriate for elementary and middle school students. PREQ: Permission of instructor.

**608 Diagnosis and Remediation in Elementary/Middle School Mathematics (3)**

Diagnostic/prescriptive strategies for elementary and middle school mathematics teachers. PREQ: Permission of instructor.

**610 Distance Education (3)**

The development of distance education concepts: theory, administration, programs, methods and curriculum. PREQ: 566 or permission of instructor.

**614 Issues and Trends in Elementary Education (2)**

**653 Advanced Children's Literature (3)**

Literary experience in the total language arts curriculum, selection of materials, guiding children's study of literature.

**666 Projects in Educational Computing (3)**

Research and advanced projects related to the use of computers in educational settings. PREQ: 566 or approval of instructor.

**675 Workshop in Elementary Education (3)**

Content, methods, and materials to meet specific in-service needs of an individual school or system.

**680 Independent Study (1-3, R6)**

PREQ: Permission of department head.

**695 Research Seminar in Elementary Education I (2)**

Development and presentation of a research proposal. PREQ: 601; EDCI 602, and permission of department head.

**696 Research Seminar in Elementary Education II (2)**

Presentation of research project carried out in an appropriate elementary classroom. PREQ: 695.

**701 Seminar in Elementary School Curriculum (3)**

Forces affecting curriculum development, strategies for implementing changes, formulation of curriculum development models. PREQ: 601 or EDCI 604.

**779 Continuing Research—Non-Thesis Option (1, R10)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Must NOT be enrolled in a thesis program.

**782 Research in Elementary Education (3)**

PREQ: EDCI 602.

**796 Advanced Research Seminar in Elementary Education II (3)**

Presentation of a student-conducted research. PREQ: 795.

**798 Advanced Research Seminar in Middle Grades Education II (3)**

Presentation of student-conducted research. PREQ: 797.

## **Higher Education (EDHE)**

### **531 Foundations of Adult Education (3)**

Historical, sociological, psychological, and philosophical foundations of adult education; the nature and characteristics of adult learners; review of research.

### **605 The Two-Year College (3)**

The two-year institution's function in higher education.

### **610 Two-Year College Instruction (3)**

Theories of instruction: emphasis on strategies appropriate to different abilities, interests, and learning levels.

### **636 Two-Year College Curriculum Development (3)**

Principles and processes of program planning and curriculum development.

### **650 Program Development and Evaluation (3)**

Principles of evaluation and improvement of programming for all college functions. Special emphasis is placed upon student services and non-curriculum outcomes.

### **683 Internship: Two-Year College Administration (3, R9)**

Fieldwork at the department or division level in an institution of higher education. PREQ: Consent of advisor.

### **686 Practicum in Two-Year College Teaching (2)**

S/U grading. PREQ: 610.

### **693 Topics in Higher Education (1, R3)**

Short-term, high-interest topics related to administration and curriculum in higher education. PREQ: A course in higher education or permission of instructor.

### **695 Seminar on the Two-Year College (2)**

### **710 Administration of Two-Year Colleges (3)**

### **805 Role of Higher Education in Society (3)**

Contextual role of higher education in society. Special emphasis on how issues generated by these roles confront higher education leaders.

### **810 Community College/Higher Education Leadership (3)**

Advanced study of higher education leadership. Problems associated with organizational, procedural, and personnel issues in higher education.

### **820 Community College/Higher Education Politics and Board Relations (3)**

Understanding the relationship between higher education leadership and controlling boards; state, regional and local political influence on higher education policy.

### **830 Adult Programming in Community College and Higher Education (3)**

Principles of adult education used to examine the establishment of comprehensive programming plans for institutions of higher education.

### **840 Community College/Higher Education Finance & Business Operation (3)**

Higher education funding procedures and models of business operations.

## **Educational Leadership (EDL)**

### **611 Managing Educational Organizations (3)**

Investigation of school-site management issues, including budget, personnel, facilities, schedules, transportation, food services, student accounting, discipline, and school safety.

### **612 School-based Curriculum and Instructional Leadership (3)**

Role of school leaders in enhancing teaching, learning, and curriculum development; topics include mentoring, professional development, school climate, learning communities, and high expectations for all students.

### **615 International School Leadership (3)**

School application of leadership theory from an international perspective. Leadership theo-



ries, situations, responsibilities in schools, and the aesthetic dimensions of leadership.

**620 Legal and Ethical Foundations of Public Education (3)**

Principles of school law and ethical practice; authority, responsibility, and liability of school boards, administrators, and teachers; significant court cases.

**625 Introduction to School Leadership (3)**

Overview of leadership in educational organizations. Understand organizational theory, leadership of groups and individuals, and principles of school law.

**660 School–Community Relations (3)**

Developing and maintaining appropriate relationships with diverse audiences; communicating effectively with a variety of publics; techniques and tools for building positive school communities.

**680 Problems in School Administration (1-3, R3)**

Discovery and implementation of practical solutions to problems encountered by school administrators. PREQ: Permission of advisor.

**685 Internship Orientation (1)**

Introduction to field-based internships. Includes self-assessment, collaborative decision-making, case study, and problem-based learning activities. PREQ: Permission of advisor.

**686 School-Site Internship I (3-Feb)**

An administrative internship under supervision of a practicing principal and university faculty. Seminar sessions held concurrently. PREQ: Permission of advisor and, for part time students, EDL 685.

**687 School-Site Internship II (3)**

Administrative internship under supervision of practicing principal and university faculty. Second of two required internships. Seminar sessions held concurrently. PREQ: 686.

**705 Leadership for Educational Programs (3)**

Function, organization, and leadership responsibilities of the central office supervisory staff, with an emphasis on system-wide program coordination. PREQ: EDSU 605.

**714 Role of School Leaders in Special Education (3)**

Supervisory role of school leaders in supporting general and special education teachers to meet the needs of students with disabilities.

**715 Leadership of Professional Learning (3)**

Application of adult learning/development of professional learning experiences for faculty and staff in schools.

**730 School Finance and Business Management (3)**

Principles and practices of financing public education; revenue and allocation plans; budgeting; and management of school funds.

**731 Policy Development and Analysis (3)**

Visioning, strategic planning, organizational goals and objectives, and policy development are major topics. An analysis of policy and its effect on organizational performance is included.

**732 Leadership in the Integration of Educational Technology (3)**

Policy and practice in educational technology curricular integration in education. Leadership issues in curriculum, such as alignment between national/state standards and local implementation are examined.

**740 School Plant Planning and Management (2)**

Determination of needs; planning construction and remodeling; efficient use of school plants.

**750 Educational Human Resource Management (3)**

This course studies personnel management in the public schools with issues such as recruitment, selection, staff development, and supervision.

**760 School Community Relations (3)**

Role of the senior educational leader in developing and maintaining appropriate relation-

ships; communication with the public; techniques, instruments, and tools for improving relationships.

**779 Continuing Research—Non-Thesis Option (1, R10)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Must NOT be enrolled in a thesis program.

**793 Topics in School Administration (1, R3)**

Scheduling; negotiations; budgeting; management information systems; surveys; changes in school law. PREQ: Permission of instructor.

**795 Seminar in Supervision (2)**

PREQ: EDSU 605.

**799 Continuing Research—Thesis Option (2, R24)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements.

**800 Advanced Leadership Theory (3)**

Advanced study of leadership theory. Leadership roles and expectations in educational organizations. Comparisons and analysis of effective and ineffective leadership.

**810 Behavior and Management of Educational Organizations (3)**

Organizational structures and functions, focusing on rural educational organizations and the behavior of groups and individuals within them.

**820 Educational Politics and Policies (3)**

This course examines the political factors that may influence educational policy decisions.

**876 Ethics in Educational Leadership (3)**

In depth examination of the current and anticipated issues and dilemmas facing public education.

**877 The Superintendency (3)**

Position and roles of the school superintendent; examination of current issues and challenges.

**878 District Level Leadership (3)**

Advanced study of public school district level leaders and their roles and responsibilities. The multiple aspects of the various district level positions are examined.

**883 Internship in Rural School Leadership I (-3, R3)**

First part of two internship experiences. S/U grading. Seminar sessions held concurrently. PREQ: Permission of advisor.

**884 Internship in Rural School Leadership II (1-3, R3)**

Second part of two internship experiences. S/U grading. Seminar sessions held concurrently. PREQ: Permission of advisor.

**885 Internship in Rural School Leadership III (1-3, R3)**

Third part of three internship experiences. S/U grading. Seminar sessions held concurrently.

**895 Advanced Seminar in Instructional Leadership (3)**

An investigation of an instructional problem: studying and solving it.

**896 Seminar in School Law (3)**

An in-depth investigation and analysis, in a seminar setting, of current issues and trends in the law affecting school operations. PREQ: 620.

**898 Doctoral Seminar in Educational Leadership (3)**

The seminar explores strategies used to provide leadership for rural educators. Case studies, models, research, and interviews are used to understand leadership theory and practice.

**899 Dissertation in School Leadership (3, R12)**

The culminating activity of the doctoral program in educational leadership. S/U grading. PREQ: Approval of student's doctoral committee.

### **999 Continuing Research-Dissertation (2, R24)**

See Policy on Completion of Thesis and Dissertation found in the Admission and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements.

### **Middle Grades Education (EDMG)**

#### **510 Middle School Curriculum and Instruction (3)**

Advanced development of programs, methods, and curriculum for the middle grades.

#### **589 Internship II in Middle Grades (3, R9)**

One semester of supervised full-time internship in a middle grades public classroom.

#### **621 Issues and Trends in Middle Grades Education (2)**

Explores principles and relationships and assesses current issues and trends in middle grades education.

#### **622 Teaching–Learning Strategies for the Middle Grades (3)**

Presents theories, methods, grouping for middle grades; includes individualizing, units, instructional technique, and methods.

#### **623 Teaching Writing in the Middle Grades (3)**

Assist teachers in developing writing workshops for middle grades students. Emphasis will be on learning about the recursive steps of the writing process.

#### **680 Research in the Middle Grades: Proposal (2)**

Development of a research proposal for investigation of practices related to middle level education. PREQ: 621 and 622.

#### **681 Research for the Middle Grades: Project (2)**

Implementation of a study for the investigation of practices related to middle level education. PREQ: 621, 622, and 680.

#### **682 Trends and Issues in Middle Grades Education: The Professional Portfolio (2)**

Current issues in middle grades education to include the development of a professional portfolio.

### **779 Continuing Research—Non-Thesis Option (1, R10)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Must NOT be enrolled in a thesis program.

### **Education and Psychology (EDPY)**

#### **591 Topics in Education and Psychology (1, R3)**

PREQ: Permission of department head.

#### **592 Topics in Education and Psychology (2, R6)**

PREQ: Permission of department head.

#### **593 Topics in Education and Psychology (3, R6)**

PREQ: Permission of department head.

#### **691 Topics in Education and Psychology (1, R3)**

PREQ: Permission of department head.

#### **692 Topics in Education and Psychology (2, R6)**

PREQ: Permission of department head.

#### **693 Topics in Education and Psychology (3, R6)**

PREQ: Permission of department head.

#### **793 Selected Topics in Education and Psychology (3, R12)**

S/U grading. PREQ: Ed.S. degree and permission of department head.

## **Reading (EDRD)**

### **520 Phonics and Word Analysis (3)**

Use of basic word analysis skills in reading instruction.

### **543 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.

### **553 High School and Adult Reading (4)**

Methods and materials for teaching reading in high school and adult education programs. 3 Lecture 2 Lab.

### **574 Practicum in Teaching Reading (3)**

Assessment and remediation of reading problems and strategies for teaching reading. 2 Lecture 2 Lab.

### **631 Smoky Mountain Language and Literacy Institute (3, R9)**

Intensive study of a current topic in literary instruction.

### **651 Clinical Procedures in Remedial Reading (3)**

Evaluation and diagnosis of severe reading problems; supervised practicum. PREQ: 573.

### **661 Issues and Trends of Literacy Education (3)**

Current trends in approaches and theories for teaching and learning to read. PREQ: 9 hours in reading.

### **740 Reading Research Projects (3)**

Initiating, conducting, and analyzing a research project. 2 Lecture 2 Lab. PREQ: G license in reading and permission of instructor.

## **Educational Supervision (EDSU)**

### **605 Principles of Supervision (3)**

Purposes and philosophies of supervision; basic laws of human relationships, concepts of leadership and change; the change-agent role in instructional improvement.

### **615 Techniques of Supervision (3)**

Practical applications of supervisory principles for improving instructional staff and programs. PREQ: 605.

### **620 School-Based Instructional Leadership (3)**

Function, organization, and techniques of school-based supervisory support for teachers, including roles of principal, mentor teacher, curriculum coordinator, and support teams. PREQ: 605 or permission of department head.

### **630 School Improvement (3)**

Exploration of the developmental process of school improvement focusing on school leadership. Site-based management, total quality management, and outcomes-based models are explored. PREQ: 605.

### **635 Supervision of the Novice Teacher (3)**

Techniques of supervising student teachers and beginning teachers during the initial certification period.

### **680 Problems in Supervision (1, R3)**

PREQ: 605.

### **685 Internship in Supervision (2)**

Supervised work at the school level or at the departmental level in higher education. S/U grading. PREQ: 605.

### **693 Topics in Supervision (1, R3)**

PREQ: Permission of instructor.

## **Elementary and Middle Grades Education (ELMG)**

### **515 Language Arts Methods (3)**

Advanced development of language arts methods, materials, and teaching strategies for grades K-9.

### **516 Science Methods (3)**

Advanced development of science methods, materials, and teaching strategies for grades K-9.

### **517 Social Studies Methods (3)**

Advanced development of social studies methods, materials, and teaching strategies for grades K-9.

### **519 Mathematics Methods for Grades 4-9 (3)**

Advanced development of mathematical concepts, programs, methods, and materials for grades 4-9.

## **English (ENGL)**

### **501 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.

### **514 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.

### **515 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.

### **516 Teaching English as a Second Language (3)**

Current trends/strategies in teaching English to non-native speakers. Aspects of American culture that affect language learning.

### **517 Methods of Teaching Literature (3)**

Methods of teaching poetry, world literature, young adult literature; technologies which enhance teaching. PREQ: Admission to M.A.T. in English or permission of instructor.

### **550 Major British Writers (3, R9)**

Selected works of one or more important British authors from a single historical period.

### **564 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.

### **571 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.

### **572 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.

### **573 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.

### **580 Studies in English (3, R6)**

Independent study/directed research in English. PREQ: Permission of instructor and department head.

**589 Co-op: Writing and Editing (3, R6)**

Cooperative education assignments are professional (often off-campus) experiences designed for students who wish to apply their theoretical learning to an on-the-job situation. S/U grading. PREQ: Enrollment for at least one term in the graduate English program; B average in graduate work; approval of advisor, department head, and cooperative education coordinator.

**600 Selected Ethnic Literature (3)**

Exploration of literature outside the Eurocentric canon. Introduces cultural diversity: African American, Asian American, Hispanic American, or Native American literature; international or multicultural literature.

**601 Gender Studies (3)**

Feminist theory; ways in which male and female authors construct gender; how representations of men and women have influenced how we think about society and culture.

**602 African American Literature (3)**

Survey of African-American literature; focus on postmodernist period. Background in African-American literary theory/history; concentration on explosion of literature in late twentieth century.

**603 Writing for the Marketplace (3)**

Provides an overview of the profession. Helps students identify and investigate the many fields in which they can write professionally, using traditional and electronic techniques.

**604 Writing for Electronic Environments (3)**

Teaches clear, coherent writing in a variety of electronic environments, including multimedia presentation and publication, web page design, and computer documentation.

**606 Nonfiction Writing (3)**

"Literary" or creative nonfiction writing for small presses or popular magazines; emphasis on personal experience, personal reflection, and profile essays.

**607 Breaking into Publishing (3)**

Designed to meet needs of students seeking employment in the publishing field; emphasis on theoretical knowledge/practical applications.

**608 Fiction Writing (3)**

Students write short stories (or chapters); explore trends in twentieth-century fiction: interior monologue, present-tense narration, second-person narration, third-person interior monologue, multiple flashbacks/time sequencing.

**609 Poetry Writing (3)**

Writing and reading poetry; in-depth discussion of student work. Preparation of portfolio of original poems; study of major poets and formal elements of poetry.

**610 History of Rhetoric (3)**

In-depth survey of the western rhetorical tradition from classical times to the present, with the principal focus on major contributions through the twentieth century.

**611 Mountain Area Writing Project (6)**

By invitation only to K-12 teachers (all subjects) within Western North Carolina, Region 8. Focus on principal aims of National Writing Project and North Carolina Writing Projects, with which it is affiliated. PREQ: Permission of instructor.

**612 The Mountain Area Writing Project (Level 2) (3)**

A follow-up extension of ENGL 611, open only to K-12 public school teachers through invitation. Rare exceptions made with permission of instructors.

**613 Stylistics (3)**

In-depth study of the rhetoric of style. Examination of professional writing; how and why writers might choose sentence type, vocabulary, punctuation, and syntax.

**614 Contemporary Rhetoric (3)**

In-depth survey of rhetoric in the late twentieth century; examination of theory/application of "new rhetorics."

**615 Linguistic Perspectives (3)**

Specific focus will vary: may cover phonology, morphology, syntax, sociolinguistics, dialectology, psycholinguistics, and child/adult language acquisition. PREQ: ENGL 515 or permission of instructor.

**616 Foundations of ESL and Language Learning (3)**

Introduction to second language acquisition (SLA): language learning, learning theory, needs analysis, assessment, and factors in variability of SLA. PREQ: Admission to program or consent of instructor.

**617 Historical Linguistics (3)**

Attention to language in historical context: language families, linguistic change, and linguistic reconstruction. Focus on changes in phonology, morphology, syntax, semantics, and orthography of English language.

**618 Methods of Literary Research and Bibliography (3)**

Fundamentals of literary research; history, production, and description of printed books. Required for all graduate students in the M.A., the M.A.T., and the M.A.Ed. in English.

**619 English Grammars (3)**

Internal structure of English, particularly its syntax: traditional grammar, American structuralism, and generative grammar; primary focus on Chomskyan and other competing models.

**620 Chaucer (3)**

Chaucer's major poetry/ historical epoch analyzed; particular emphasis on *The Canterbury Tales*, *Troilus and Criseyde*, and the dream visions. All selections read in Middle English.

**621 Medieval Language and Literature (3)**

Introduction to the structure, syntax, grammar, and vocabulary of Middle English; major works written between 1066 and 1500 are examined, in original and translation.

**622 Anglo-Saxon Language and Literature (3)**

Emphasis on Old English language, major works, in translation and in original. Students will become familiar with Old English history and the culture.

**625 Applied Phonetics and Pronunciation Teaching (3)**

The study of the English sound system as it applies to developing speaking abilities in ESL students.

**626 ESL Methodology: Listening and Speaking (3)**

This core course for the MA-TESOL degree provides an overview of ESL/EFL methodology focusing on aural/oral skills (listening comprehension, pronunciation, and overall speaking instruction).

**627 ESL Methodology: Reading and Writing (3)**

ESL theory and practice for reading and writing development: vocabulary, grammar, content-based and task-based instruction. Critique of textbooks, materials, effective techniques.

**630 The Bible as Literature (3)**

Study of the Bible from a literary perspective, examining major portions of the text for its subjects, themes, literary styles and genres.

**631 Shakespeare (3)**

Approach to selected works of Shakespeare from a specialized perspective, depending on instructor's preference and students' needs: e.g., dramatic language, great tragedies, critical approaches.

**632 Renaissance Literature (3)**

Literature of Early Modern period from a specialized perspective, depending on instructor's preference and students' needs: e.g., Renaissance idealism, Sidney/Spenser, sonnets, Tudor-Stuart drama.

**635 Teaching Grammar, Reading and Writing to ESL Students. (3)**

The study of English grammar and its application to teaching and writing to ESL students.

**641 Milton (3)**

Examination of theological, mythological, political, and poetic issues in *Paradise Lost* and *Samson Agonistes*, minor poems. Introduction to major prose works.

**642 Seventeenth-Century Poetry and Prose (3)**

Works of notable poets; special attention to Cavalier, Metaphysical, and Meditational poetry, and prose writings with attention to issues of theme and style.

**643 Literature of the Enlightenment (3)**

Focus on artistic constructs of order (heroic couplet, Augustan diction); developments within artistic genres (satire, novel, and periodical); dynamic cultural temperaments.

**645 Second Language Acquisition and TESOL Methodology (3)**

Current theories and research on second language acquisition and their application to language pedagogies.

**651 Romantic Literature (3)**

Romantic movement in England and its revolutionary themes through study of major modern interpretations. Poetry of Wordsworth, Coleridge, Blake, Byron, Keats, and Shelley.

**652 Victorian Literature (3)**

Study of mid-late nineteenth-century poetry and prose, from Carlyle to Pater; Dickens to Tennyson; Pre-Raphaelite poetry and painting.

**653 Nineteenth-Century British Fiction (3)**

Genre of the novel from beginning to end of century: Austen, Dickens, Eliot, Hardy. Survey of other fiction: Bildungsroman, historical fiction, romance, social realism, comedy.

**655 Professional Development of the ESL Teacher (3)**

An examination of language assessment and professional requirements for ESL teachers in North Carolina.

**660 Early American Literature through Romanticism (3)**

Examination of American literature from first European contacts through flowering of American Renaissance. Inquiry into what it meant to face the radical unknown, become a nation, and form an indigenous literature.

**661 American Realism through Modernism (3)**

Writers from latter nineteenth century to World War II: analysis of pioneers of realism to practitioners of modernism; also, study of poets and dramatists.

**662 American Post-Modern Literature (3)**

Study of technical experimentation begun in modernist era; notable writers since World War II in all major genres.

**670 Early Twentieth-Century British Literature (3)**

Literary trends dominating first four decades of twentieth century; emphasis on Yeats, Conrad, Eliot, Woolf, Lawrence; also, works in English from United States or other countries.

**671 Late Twentieth Century British Literature (3)**

A multigenre view of literature since World War II; writers in English, or in English translation.

**672 Twentieth-Century Genre (3)**

Examination of one or more major genres: drama, poetry, novel, short story, creative nonfiction, biography, or film in the twentieth century.

**673 Global and Postcolonial Literature (3)**

Non-Western literature and film from formerly colonized areas such as Africa, India, Australia, New Zealand, and the Caribbean that share English as literary language.

**676 Pre-Twentieth Century Criticism and Theory (3)**

Historical overview of major critics/critical theory of western civilization: Plato, Aristotle, Horace, Sidney, Bacon, Pope, Dryden, Kant, Coleridge, Wordsworth, Poe, Emerson, Arnold, and Zola.

**677 Twentieth-Century Literary Criticism and Theory (3)**

Study of major developments in critical theory since 1900: Formalism, Structuralism, Post structuralism, Reader-Response Criticism, Marxism, Psychological and Mythic Criticism, and Feminism.



**693 Special Topics in English (3, R6)**

Varying topics of specialized focus.

**699 Thesis Research (3, R12)**

Only 6 hours of thesis may be counted toward a degree. Students may register for thesis credit the semester after the thesis proposal has been approved. Students may enroll in no more than 6 semester hours of thesis credit during any given semester without approval of the English department's graduate director and department head.

**779 Continuing Research—Non-Thesis Option (1, R10)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Must NOT be enrolled in a thesis program.

**799 Continuing Research—Thesis Option (2, R24)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Student must be enrolled in a thesis program.

**Technical Writing for Business and Industry (3)**

Practical applications to technical communications; examination of contemporary theory. Students write, edit, graphically design, layout, and produce documents/presentations utilizing desktop and Internet publishing.

**Entrepreneurship (ENT)**

**601 Entrepreneurial Innovation I (3)**

Examination of invention, enhancement, originality, divergent thinking, and innovation in research, development, enhancement, and strategy in businesses and organizations.

**610 Entrepreneurial Creation (3)**

Examination of the resources, demand, industry and competitive forces, and strategies required for successful entrepreneurial activities.

**620 Entrepreneurial Planning (3)**

Tools for venture creation and management including marketing, accounting, risk management, human resources, legal issues, and intellectual capital.

**630 Entrepreneurial Growth (3)**

Venture expansion analysis, global competitiveness, development of distinctive competencies, and growth potential, including e-commerce and international operations.

**640 Entrepreneurial Funding (3)**

Financial forecasting to include pro forma cash flow development, and the design and development of reporting systems. PREQ: ACCT 251 and 252, or the equivalent.

**650 Mezzanine Funding (3)**

Financial statements analysis, performance and sensitivity analysis and sources and types of debt and equity funding. PREQ: 640.

**660 Entrepreneurial Leadership (3)**

Establishing and changing organizational culture, communications and leadership style, vision change and inculcation.

**670 Entrepreneurial Strategy (3)**

Strategic leadership, deliberate strategy, environmental scanning, competitive assessment, entrepreneurial vision and communication.

**675 Entrepreneurial Research (3)**

Entrepreneurial research, intellectual capital, and applications for practice.

**682 Independent Study (1-3, R6)**

PREQ: Permission of instructor.

**693 Topics in Entrepreneurship (1-6, R9)**

PREQ: Permission of instructor.

## **Environmental Health (ENVH)**

### **570 Principles of Epidemiology (3)**

Principles and applications of investigation, control, and prevention of disease.

### **575 Environmental Program Administration (3)**

Intensive study of regulatory program administration; focus on development, implementation, and evaluation of environmental health programs in the government sector.

### **655 Hazardous Materials and Waste Management (3)**

An application of technical and administrative procedures needed to understand the problems of hazardous materials and waste management, especially as they relate to current generators, transporters, processors, and disposers.

### **670 Water Quality (3)**

Examination of processes for the development of water resources and water quality. Health implications of water quality management and pollution control will be stressed.

### **671 Environmental Regulation and Law (3)**

Introduction of basic concepts of environmental law, including the workings of the justice system, the litigation process, witness testimony, and major environmental health laws.

### **675 Loss Control through Industrial Hygiene (3)**

Reduction of employer healthcare cost through utilization of principles of industrial hygiene and occupational health; cost-effectiveness of preventive medicine in industry.

## **Engineering Technology (ET)**

### **510 Advanced Parametric Modeling and Prototyping (3)**

Advanced design methods and rapid prototyping procedures. Focused study will be on 3-D parametrics, advanced graphics, rapid prototyping systems and methods. 2 Lecture 2 Lab. PREQ: Permission of instructor.

### **521 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: Permission of instructor.

### **522 Advanced Polymer Technology (3)**

Theory and application of molding processes; emphasis on thermoplastic and thermoset injection; topics in polymer science and microprocessing. PREQ: Permission of instructor.

### **524 Facilities Management and Maintenance (3)**

Management and maintenance of residential, commercial, and industrial building systems. Functions and evaluation of systems for heating, cooling, electrical, communications, water, waste, protective coatings and roofing, lawns, and roadways. PREQ: Permission of instructor.

### **534 Facilities Layout (3)**

Problem analysis and design of facilities; layout, planning, flow analysis, scheduling, and support of physical facilities. PREQ: Permission of instructor.

### **536 Engineering Economic Analysis (3)**

The economics of decision-making, including break-even, least cost, and alternatives related to the time-value of money. PREQ: Permission of instructor.

### **570 Telecommunications and Networking Systems (3)**

Theory of communication systems, operations, protocols, configuration and control. Managing communication systems for engineering and technology support. PREQ: Permission of instructor.

### **575 Systems Integration and Management (3)**

Methods of planning, scheduling, directing and supervising technology based systems. Models for monitoring and evaluating systems management will be studied. PREQ: Permission of instructor.

### **593 Topics in Engineering Technology (1-3, R6)**

**603 Applied Research Methods and Experimental Design (3)**

An applied study of research methods and designed experiments for decision making. Statistical methods, and interpretation of technical data for system improvement. PREQ: Permission of instructor.

**641 Quality Assurance (3)**

Quality management methods and models for continuous improvement. Standards, implementation, deployment, and assessment strategies will be covered. PREQ: Permission of instructor.

**642 Automation Systems (3)**

Manufacturing system analysis and decision-making regarding the selection and implementation of automation equipment; an overview of traditional manufacturing systems and analyses; evaluation of the need and justification for automation systems; and Computer Integrated Manufacturing (CIM) systems. PREQ: A course or demonstrated competency in computer programming.

**644 Data Acquisitions, Systems Control and Biometrics (3)**

Systems analysis of modern data capture, acquisitions and control. Focus will be on integration and control of automated systems. PREQ: A course or demonstrated competency in computer application and permission of instructor.

**648 Manufacturing Research and Analysis (3)**

Research and analysis of current manufacturing materials, methods, and control systems relevant to engineering applications. PREQ: Permission of instructor.

**680 Independent Study (3, R6)**

**688 Directed Project (1-3, R6)**

A formal engineering or technology investigation of a particular problem under the guidance of the advisory committee/major professor. Not applicable to a thesis option plan of study. Enrollment during at least two consecutive terms for a minimum of three credits required.

**695 Seminar in Engineering Technology (1-3, R6)**

PREQ: Permission of instructor.

**699 Thesis (3, R6)**

PREQ: Permission of instructor.

**779 Continuing Applied Research (1, R10)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Must NOT be enrolled in a thesis program.

**799 Continuing Research—Thesis Option (2, R24)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Student must be enrolled in a thesis program.

**Finance (FIN)**

**601 Financial Management (3)**

Capital budgeting, financial structure, financial analysis and planning, lease analysis, leverage, working capital management, and international financial management. PREQ: M.B.A. 500 or equivalent.

**602 Investment Analysis and Portfolio Management (3)**

Evaluation of stocks, fixed-income securities, and investment strategies; fundamental and technical analysis; and modern portfolio theory.

**682 Research Project in Finance (3, R6)**

PREQ: Detailed project proposal must be approved by department head and director of graduate programs in business.

**693 Topics in Finance (3, R6)**

PREQ: Permission of department head and director of graduate programs in business.

## **Geography (GEOG)**

### **502 Conservation of Natural Resources (3)**

Quantity, quality, and distribution of resources in the United States; dilemma of increasing demand on a dwindling resource base.

### **540 Topics in Regional Geography (3, R12)**

Physical, economic, and social aspects of the geography of a selected region (Asia, Europe, USSR, North America, Middle East, Latin America, and Africa).

### **544 Political Geography (3)**

Territorial and cultural elements in the formation of national and international boundaries: case studies.

### **560 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.

### **562 Introduction to Urban Geography (3)**

Study of the spatial structure and functions of urban places; theories of city origin and growth.

### **564 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.

### **591 Topics in Geography (1-3, R6)**

PREQ: Permission of instructor.

### **593 Special Problems (1-3, R6)**

PREQ: Permission of instructor.

### **693 Special Problems in Geography (3, R6)**

PREQ: Permission of department head.

## **Geology (GEOL)**

### **505 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. 3 Lecture 3 Lab. PREQ: GEOL/GEOG 305 or GEOL/GEOG 302 or permission of instructor.

### **510 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.

### **523 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.

### **555 Wetlands (3)**

Wetland science and management with an emphasis on physical processes and field techniques.

### **591 Topics in Geology (1-4, R8)**

Special course explores a current topic in Geology or Environmental Geology. PREQ: Permission of instructor.

### **593 Special Problems in Geology (2, R4)**

### **601 Earth Sciences (3)**

Survey of the elements of physical and historical geology, weather, climate, and their effect

on the geomorphic process.

**602 Earth Sciences (3)**

Survey of the elements of physical and historical geology, weather, climate, and their effect on the geomorphic process.

**693 Topics in Geology (1-3, R6)**

PREQ: Permission of instructor.

**Gerontology (GERN)**

**510 Healthy and Integrative Aging (3)**

An introduction to the field of gerontology with a focus on research, healthy aging and a holistic perspective of human development.

**680 Independent Study (1-3, R9)**

A directed independent study in the field of gerontology. PREQ: Permission of advisor.

**688 Research Practicum (3)**

A capstone course with the major focus on designing, researching and implementing a research/practicum project. PREQ: Permission of advisor.

**693 Topics (1-3, R9)**

Topics in the field of gerontology.

**History (HIST)**

**511 Western Imperialism 1500 to the Present (3)**

Western Imperialism in the Americas, Africa, and Asia; World War I and its aftermath; the roots of Third World independence movements.

**512 Early Modern Europe (3)**

The Reformation; development of the modern state; scientific revolution; rise of capitalism; social change.

**513 Europe in the Eighteenth Century (3)**

The Old Regime; wars of expansion, the Enlightenment; the French Revolution and Napoleon.

**514 Europe in the Nineteenth Century (3)**

Post-Napoleonic settlement; internal, colonial, and imperial developments; unification movements; the background of World War I.

**516 Europe in the Twentieth Century (3)**

World War I: Paris Peace Conference, domestic developments, the rise of "isms" in Russia, Italy, and German. World War II: postwar reconstruction and reorganization, and the Cold War.

**521 Romans, Christians, Barbarians (3)**

Explores the three most prominent cultures of the Mediterranean at the end of the Roman Empire.

**525 Modern European Military History (3)**

Focuses on the era of the two World Wars (1914-1945), emphasizing political, technological, and operational issues.

**531 Colonial America, 1492-1763 (3)**

Political, social, economic, and cultural characteristics.

**532 The Revolutionary Era, 1763-1800 (3)**

Causes and effects of the Revolution, the War for Independence, the Constitution, the Federalist Era.

**533 The Young Republic, 1800-1848 (3)**

Jeffersonian democracy; War of 1812; Era of Good Feeling; Jacksonian democracy; western

expansion; the Mexican War.

**534 Civil War and Reconstruction, 1848-1877 (3)**

Sectional differences; the secession movement; military operations; Reconstruction.

**535 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.

**536 The United States since 1929 (3)**

Great Depression; New Deal; World War II; role as Cold War superpower; domestic developments.

**542 African-American History (3)**

Role of African Americans in American history; African background; religious, cultural, economic, and political institutions, civil rights, struggles, tension assimilation and black nationalism.

**543 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.

**545 Cherokee History (3)**

Pre-contact Cherokee society; acculturation; removal; post-removal development of the Cherokee Nation West, and the Eastern Band of the Cherokees.

**546 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.

**548 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.

**550 War and Memory (3)**

Explores perceptions and social history of American Wars in the Twentieth Century.

**551 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.

**554 American Military History (3)**

Military affairs in the United States from the Revolution to the present; emphasis on war as a social institution.

**555 American Religious History (3)**

Role of organized religion in American history and culture, primarily since 1865.

**559 Sizzlin' Sixties (3)**

Explores key events and trends that characterized US history during the 1960s.

**563 History of the Mexican Nation (3)**

Mexico since 1810; nineteenth-century conflicts; revolution, 1910-1917; progress to the present.

**571 Introduction to Public History (3)**

Explores such topics as museum displays, reenactments, historical pageants, historic preservation, living history, interpretations, and public policy.

**572 Local History and Genealogy (3)**

Role of the family and the community in shaping state, regional, and national developments; emphasis on research techniques and local resources. Lecture and fieldwork.

**573 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.

**574 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.

**589 Cooperative Education in History (3)**

S/U grading. PREQ: Enrollment for at least one term in the M.A. in History program; B average in graduate work; approval of department head, advisor, and cooperative education coordinator.

**593 Topics in History (1-3, R12)**

**631 Historiography (3)**

Survey of the principal historians, interpretations, methodology, and sources dealing with American or European History.

**632 Historical Methodologies and Research Design (3)**

Exploration of the principal methodologies of historical research and work on the beginning stages of a history thesis/internship project.

**633 Advanced Teaching Methodologies in Secondary Social Science Education (3)**

Examines instructional strategies and theories for effective teaching of secondary-level social sciences. Required course in the M.A.Ed. Social Science program.

**680 Readings in History I (3, R6)**

Major interpretative monographs and articles within a selected area. may not be taken more than twice for credit without departmental approval.

**681 Readings in History II (3, R6)**

Major interpretative monographs and articles within a selected area. may not be taken more than twice for credit without departmental approval

**682 Readings in History III (3, R6)**

Major interpretative monographs and articles within a selected area. may not be taken more than twice for credit without departmental approval

**683 Readings in History IV (3, R6)**

Major interpretative monographs and articles within a selected area. may not be taken more than twice for credit without departmental approval

**688 Internship in History (1-3, R-3)**

Supervised internship in a public history institution or setting. S/U grading. PREQ: Permission of department head.

**693 Problems in History (3, R9)**

PREQ: Preparation in topic or permission of instructor.

**699 Thesis (3, R12)**

Only 3 hours may be counted toward degree.

**779 Continuing Research—Non-Thesis Option (1, R10)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Must NOT be enrolled in a thesis program.

**799 Continuing Research—Thesis Option (2, R24)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Student must be enrolled in a thesis program.

**Human Resources (HR)**

**602 Human Resources Research and Evaluation Methods (3)**

An overview of human resources research literature and methods.

**605 Orientation to Human Resources (3)**

An overview of the various areas of Human Resources.

**610 Human Resource Development (3)**

An overview of the training and development functions in organizations.

**611 E-Learning (3)**

An introduction to developing on-line learning systems for educational institutions, business organizations, and government agencies.

**612 Instructional Design (3)**

Developing instructional training programs for education, industry, and government. PREQ: Permission of instructor.

**615 Organization Development (3)**

An overview of the practices, theories, and methods of organization development and action learning.

**616 Web Publishing (3)**

An introduction to basic Web publishing with Macromedia's Dreamweaver and Fireworks software.

**617 Organization Performance (3)**

An overview of the practices, theories, and methods of organization performance.

**619 Assessment Methods in Human Resources (3)**

An overview of assessment instruments and methods used in human resources.

**620 The Design and Use of Instructional Gaming Simulations (3)**

Exploration into instructional games and simulations. Selection of gaming-simulations to achieve particular learning objectives and facilitation of simulation exercises. Emphasis is placed on designing and field-testing student made gaming-simulations. PREQ: Permission of instructor.

**645 Consultation in Human Resources (3)**

An overview of the consultation process and facilitation skills as applied in business and human resources.

**660 Career Development/Management Systems (3)**

Case histories of successful career-pathing; mentoring, and other career-helping relationships; concepts borrowed from career-planning counselors, professional trainers, and organization development specialists. PREQ: Permission of instructor.

**675 Leadership in Human Resources (3)**

An overview of the strategic leadership role performed by human resource professionals. PREQ: Permission of instructor.

**676 Guided Projects in Organization Performance (3)**

Guided projects involving the design, development, and implementation of organization performance system interventions.

**677 Advanced Web Publishing (3)**

An introduction to creating animated and interactive e-learning applications for use over the World Wide Web.

**678 Guided Projects in E-Learning (3)**

Developing on-line learning systems for educational institutions, business organizations, and government agencies. PREQ: 611, 612, 616, 677 or permission of instructor.

**683 Field Experience in Human Resources (3)**

Supervised experience in a human resource department of an industry to familiarize students without prior experience with the setting in which they will be employed. Field experience. S/U grading. PREQ: 605, 610, and permission of instructor.

**693 Selected Topics in Human Resources (3, R6)**

PREQ: Permission of instructor.



**698 Seminar in Human Resources (3)**

Trends and issues in human resources; implementation of programs. PREQ: Permission of instructor.

**779 Continuing Research—Non-Thesis Option (1, R10)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Must NOT be enrolled in a thesis program.

**International Business (IBUS)****693 Topics in International Business (3, R6)**

PREQ: Permission of department head and director, M.B.A. Program.

**Business Law (LAW)****630 International Law (3)**

Its practice, sources, sphere of operation, questions determined by it, applicable courts, and extent to which it is observed and enforced.

**640 Public Accounting Regulatory Environment (3)**

Study of “Code of Ethics” of the American Institute of Certified Public Accountants and Business Law as it impacts the practice of public accounting.

**693 Topics in Business Law (1-3, R6)**

PREQ: Permission of department head and director of graduate programs in business.

**695 Seminar in Business Law (3)**

PREQ: Permission of instructor.

**Master of Business Administration (M.B.A.)****500 Accounting and Finance for Management Analysis (3)**

Foundations of Accounting and finance for managerial decision making: lecture, readings, problems, cases. PREQ: Admission to M.B.A. program or permission of M.B.A. Director.

**505 Economics and Public Policy (3)**

Economic, social, and public policy affecting managerial decisions: lecture, readings, problems, cases. PREQ: Admission to M.B.A. program or permission of M.B.A. Director.

**510 Statistical Analysis for Business (2)**

Foundations of statistics for managerial decision making; use of computerized simulations: lecture, readings, problems, cases. PREQ: Admission to M.B.A. program or permission of M.B.A. Director.

**515 Foundations of Management (1)**

Introduction to principles and practices of management; introduction to production process and behavior concepts related to management functions: lecture, readings, problems, cases. PREQ: Admission to M.B.A. program or permission of M.B.A. Director.

**520 Foundations of Marketing (1)**

Introduction to principles and practices of marketing related to management functions: lecture, readings, problems, cases. PREQ: Admission to M.B.A. program or permission of M.B.A. Director.

**525 Social, Political, and Legal Environment for Business (2)**

Social and ethical responsibility of business; legal concepts, legislation, and administrative decisions impacting business and management: lecture, readings, problems, cases. PREQ: Admission to M.B.A. program or permission of M.B.A. Director.

**Math (MATH)**

- 500 History of Mathematics (3)**  
Development of mathematics from a historical perspective. Topics include elementary number theory, probability, algebra, geometry, trigonometry, calculus.
- 507 Survey of Algebra (3)**  
Topics from theory of equations, linear algebra, and modern algebra.
- 508 Survey of Analysis (3)**  
Review of differential and integral calculus; selected topics from advanced calculus to include the Riemann integral and the fundamental theorem.
- 509 Mathematics for Secondary Teachers (3)**  
Advanced methods and topics in secondary mathematics based on mathematics education research.
- 511 Foundations in Geometry (3)**  
Axiomatic approach to the study and development of Euclidean and non-Euclidean geometry.
- 512 Modern Geometry (3)**  
Geometries, to include finite geometries; transformational geometry and convexity in Euclidean space.
- 522 Advanced Calculus I (3)**  
Sequences of real numbers, continuous functions, and differentiation.
- 523 Advanced Calculus II (3)**  
Differentiation, including L'Hospital's rule and Taylor's theorem; integration theory, other classical topics.
- 524 Complex Variable Theory (3)**  
The complex number system, limits, continuity, derivatives, transcendental, and multivalued functions, and integration.
- 541 Introduction to Numerical Analysis (3)**  
Finite differences, interpolation, numerical integration and solutions to ordinary differential equations, linear systems, eigenvalues, eigenvectors, and errors.
- 561 Abstract Algebra (3)**  
Group theory through the homomorphism theorems; rings and fields through their homomorphism theorems.
- 562 Linear Algebra (3)**  
Linear transformations; polynomials and determinant theories; canonical forms; inner product spaces.
- 570 Statistical Theory II (3)**  
Point and interval estimation, hypothesis testing, decision theory, likelihood ratio and sequential testing, correlation, and regression. PREQ: 370 or equivalent.
- 589 Cooperative Education in Mathematics (3, R6)**  
An elective in addition to existing program requirements. S/U grading. PREQ: Minimum of 9 hours of mathematics at the 600 level with at least a B average, approval of department head, advisor, and cooperative education coordinator.
- 593 Topics in Mathematics (1-6, R6)**  
PREQ: Permission of instructor.
- 601 Modern Mathematics for Teachers I (3)**  
Natural numbers, whole numbers, integers, rational and irrational numbers; for middle grades teachers.
- 602 Modern Mathematics for Teachers II (3)**  
Topics from probability and statistics to include permutations, combinations, and distribution.
- 603 Modern Mathematics for Teachers III (3)**  
Geometric concepts of proof, congruence, similarity, and geometric equalities and inequalities.

ties.

**610 Teaching Mathematics with Technology (3)**

Organizing instruction for appropriate use of a variety of technologies for teaching mathematics.

**620 Algebra (3)**

Theory of groups, rings, and fields. PREQ: 561.

**622 Analysis I (3)**

Set theory, numerical sequences and series, continuity and differentiation, the Riemann-Stieltjes integral, sequences, and series of functions.

**623 Analysis II (3)**

A continuation of topics from Math 622. PREQ: 622.

**624 Complex Analysis (3)**

Holomorphic and elementary functions; power series, integration, and representation theorems; the calculus of residues.

**630 Mathematical Modeling (3)**

Models of physical phenomena; emphasis on derivation of the model and methods of solution.

**632 Methods of Applied Mathematics (3)**

Special functions; calculus of variations; integral equations.

**634 Partial Differential Equations and Boundary Value Problems (3)**

Classification, characteristics, eigenfunctions, Green's function, maximum principle.

**640 Numerical Analysis (3)**

Selected topics in numerical analysis. PREQ: 541 or equivalent.

**646 Numerical Linear Algebra (3)**

Direct and iterative solution of linear systems; norms and condition numbers; stability and rounding error; algebraic eigenvalue problems; linear least squares and generalized inverses; singular value decomposition and the QR algorithm; linear inequalities. PREQ: 541 or equivalent.

**661 Applied Algebra (3)**

Applications of Boolean algebras, finite fields, and semigroups.

**670 Advanced Statistical Theory (3)**

Stochastic processes and Markov chains; decision theory and utility, loss functions; Bayesian analysis of information with prior and posterior estimation functions and linear statistical models. PREQ: 370 or equivalent.

**672 Advanced Statistical Methods (3)**

Analysis of large data sets using multiple regression, discriminant analysis, factor analysis, cluster analysis, multivariate analysis of variance, and log-linear models.

**679 Master's Project Course (1)**

Non-thesis option only. Successful completion includes a presentation of the master's project to the student's advisory committee and acceptance of the paper by the committee. S/U grading.

**693 Topics in Mathematics (1-6, R6)**

PREQ: Permission of instructor.

**694 Topics in Mathematics Education (1-6, R6)**

PREQ: Permission of instructor.

**699 Thesis (3, R6)**

**779 Continuing Research—Non-Thesis Option (1, R10)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Must NOT be enrolled in a thesis program.

**799 Continuing Research—Thesis Option (2, R24)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Student must be enrolled in a thesis program.

**Management (MGT)****605 Organizational Behavior and Analysis (3)**

Structural and behavioral aspects of organizations; factors determining form and effectiveness; applications of behavioral research in organizational planning and development. PREQ: M.B.A. 515 or equivalent.

**606 Quantitative Analysis for Business (3)**

Classical and Bayesian statistical analysis; decision theory; linear programming; transportation and assignment; network analysis, PERT, CPM, inventory analysis, queuing theory, and simulation. PREQ: M.B.A. 510 or equivalent.

**607 Strategic Management (3)**

Principles, issues, and practices involved in strategically managing both large and small contemporary organizations. PREQ: M.B.A. core courses must be completed prior to or during the term of enrollment.

**608 Human Resource Administration (3)**

Behavioral approach to acquisition, use and development of human resources in an organization; criteria for effective policies and practices.

**609 The Collective Bargaining Process (3)**

Labor management relations; role of government; contract negotiation and administration; grievance—arbitration and alternative dispute resolution.

**611 Production and Operation Management (3)**

Processes, problems, and strategies related to the creation of products and services. PREQ: 606 or permission of instructor.

**613 Management of International Operations (3)**

Cultural, social, political, economic, and other environmental variables affecting international and multinational management systems and decision-making.

**614 Managerial Career Development (3)**

Practical considerations for developing managerial careers in large and small organizations from the viewpoint of the individual manager. PREQ: Admission to graduate study.

**682 Research Project in Management (3, R6)**

PREQ: Detailed research project proposal must be prepared by the student and approved by the professor sponsoring the research, the department head, and the director of graduate programs in business.

**693 Topics in Management (3, R6)**

PREQ: Permission of department head.

**Health Sciences (MHS)****510 Systems and Policy in Health Care (3)**

Medical and health services delivery organizations, providers, recipients, financing, and national policy perspectives.

**530 Continuing Education for Health Professionals (3)**

Theory and principles of adult education as they apply to health professionals and the clinical setting.

**532 Principles of Clinical Education (3)**

Principles and methods of teaching healthcare occupational skills in clinical settings focusing on defining educational needs, developing curricula, pedagogy, and outcomes assessment.

- 534 Training and Development in Clinical Settings (3)**  
Techniques used in designing programs and activities to improve effectiveness of hospitals and other health-service delivery organizations as delineated by organizational needs, culture, and strategic plan.
- 536 Educational Technology in Health Sciences (3)**  
Students will experience a wide array of technology applications in order to deliver written, oral, and electronic information appropriately in the allied health field.
- 562 Leadership Strategies for Health Care Organizations (3)**  
Human resource management in hospitals and other health service delivery organizations; includes determining need, designing jobs, determining compensation, hiring, and managing employees.
- 564 Cost Containment/Productivity Management in Healthcare Organizations (3)**  
Principles of productivity management and budgeting of clinical departments in hospitals and other health service delivery organizations.
- 660 Health Care Marketing (3)**  
Fundamentals of marketing applied to the health care environment; brand development and evolution; radical marketing and how technology is revolutionizing health care marketing.
- 662 HealthCare Organization–Problem Solving and Decision Making (3)**  
Overview of macrolevel directional decisions and microlevel operational decisions.
- 664 The Legal Environment of Healthcare (3)**  
Controls and constraints over the provision of medical and health services and the practices of personnel; includes standards and regulations; applicable legislation and case law.
- 665 Quality Performance in Health Care Organizations (3)**  
Quality improvement in patient care delivery; includes program design and new and emerging concepts and practices in quality management.
- 668 Health Care Informatics (3)**  
Overview of automated information systems, flow charting and mainframe healthcare systems, technology considerations, artificial intelligence, programming and application in healthcare settings.
- 675 Research Methodology in the Health Sciences (3)**  
Overview of history and philosophies of research, topic selection, data gathering and presentation, report writing, and proposal development.
- 680 Directed Independent Study in Health Sciences (1-3, R6)**  
A limited course for independent study; goals, methods, and expected outcomes approved in advance by program faculty; process monitored and outcome evaluated by program faculty. PREQ: Permission of instructor.
- 687 Internship in Health Care Organizations (3)**  
A carefully planned, practical, service-learning experience at a health related agency or clinical facility; tailored to individual students. PREQ: Permission of instructor.
- 693 Special Topics in Health Sciences (3, R6)**  
In-depth study of a selected subject related to health sciences.
- 694 Seminar in Healthcare Management Issues (3)**  
Analysis of management problems and issues emphasizing service unit needs. PREQ: Acceptance in the M.H.S. program or permission of instructor.
- 696 Research Seminar in Health Sciences (3)**  
Preparation of project or thesis proposal with a data gathering instrument, IRB application and variable file under the direction of MHS faculty. PREQ: Completion of 24 semester hours applicable toward M.H.S. degree.
- 698 Project in Health Sciences (3, R6)**  
Students work independently under the direction of one faculty member on an analysis of a topic, synthesis, or creative application of existing scholarship to a specific problem, the result of which is a scholarly paper. PREQ: 675.

**699 Thesis (3, R12)**

PREQ: 675.

**779 Continuing Research—Non-Thesis Option (1, R10)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Must NOT be enrolled in a thesis program.

**799 Continuing Research—Thesis Option (2, R24)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Student must be enrolled in a thesis program.

**Marketing (MKT)**

**601 Marketing Management (3)**

Techniques of planning, market analysis, and strategic design; emphasis on integration of product, price, promotion, and distribution. PREQ: M.B.A. 520 or equivalent.

**602 Marketing Research (3)**

The role of marketing research; methodology and technique; emphasis on generating information for solving marketing problems. PREQ: MGT 606.

**603 Consumer Behavior (3)**

Buyer behavior and marketing strategies; emphasis on research studies from the behavioral sciences.

**604 Marketing Communications (3)**

Relationship of demand stimulation to business management; analysis of cases emphasizing the management of advertising and promotional efforts in the total marketing concept. PREQ: 601.

**682 Research Project in Marketing (3, R6)**

PREQ: Detailed project proposal must be approved by department head and director of graduate programs in business.

**693 Topics in Marketing (3, R6)**

PREQ: Permission of department head and director of graduate programs in business.

**Music (MUS)**

**503 Marching Band Techniques (2)**

**520 Studies in Music Literature (3, R9)**

Historical and theoretical study of various forms of music literature. Only 3 hours may be counted as part of the graduate core curriculum.

**525 Twentieth-Century Music (3)**

Historical and theoretical issues in twentieth-century music.

**592 Orff-Schulwerk Level I (3)**

A study of basic Orff-Schulwerk techniques.

**593 Topics in Music (1-3, R12)**

Issues in music performance, education, or the music business. Only 6 credit hours may be counted toward any graduate degree course requirements.

**597 Seminar in Piano Pedagogy (1, R4)**

2 Lab.

**598 Seminar in Accompanying (1, R4)**

2 Lab.

**601 Writing About Music (1)**

Writing workshop focusing on styles and techniques appropriate to the discussion of music in various contexts. 2 Lab.

**605 Graduate Recital (1)**

Public performance. Date and repertoire must be approved by student's advisory committee. COREQ: 612.

**611 Applied Music (1, R4)**

One half-hour lesson per week in minor performance area.

**612 Applied Music (2, R8)**

Two half-hour lessons per week in major performance area.

**613 Applied Music (3, R9)**

Three half-hour lessons per week in major performance area.

**614 Applied Conducting (1, R4)**

One half-hour lesson per week in choral or instrumental conducting.

**615 Applied Composition (2, R8)**

Two half-hour lessons per week in composition.

**621 History of Musical Theory (3)**

The historical development of music theory as a language for scholarly discussion of music.

**622 Influences of Folk Traditions on Western Art Music (3)**

Historical and theoretical perspectives on the incorporation of "foreign" or "folk" influences into the Western art music tradition.

**640 Seminar in Music Pedagogy (3, R6)**

Techniques and materials of teaching for voice and instruments. Only 3 semester hours may be applied toward major area requirements for the M.M. in music.

**650 Advanced Flute Repair (2, R8)**

4 Lab. PREQ: MUS 593, Special Topics: instrument repair; permission of the instructor.

**675 Ensemble (1, R6)**

Participation in any departmental ensemble to expand knowledge of literature, conducting, and performance. Meetings as arranged.

**679 Lecture/Recital (3, R6)**

Requirements determined by the student's advisory committee. Students may not simultaneously enroll in MUS 612, 613, 614, or 615. Only 3 semester hours may be counted toward degree requirements.

**680 Independent Study (1, R6)**

**693 Orff-Schulwerk Level II (3)**

A study of intermediate-level Orff-Schulwerk techniques. PREQ: 592.

**694 Orff-Schulwerk Level III (3)**

A study of advanced-level Orff-Schulwerk techniques. PREQ: 693.

**695 Music Education Seminar (3)**

Music curriculum within the general education framework; current philosophies and trends.

**699 Thesis (3)**

Requirements determined by the student's advisory committee. Only 3 semester hours may be counted toward degree requirements.

**779 Continuing Research—Non-Thesis Option (1, R10)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Must NOT be enrolled in a thesis program.

**799 Continuing Research—Thesis Option (2, R24)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Student must be enrolled in a thesis program.

## **Nutrition and Dietetics (ND)**

### **533 Research Methods in Nutrition (3)**

Standard procedures for nutrient analysis, including proximate analysis of foods; introductory experimental design and methodology. 2 Lecture 4 Lab. PREQ: MATH 170 or PSY 251. COREQ: 436 or 536.

### **630 Nutrition Throughout the Life Cycle (3)**

Relationship of good nutrition to well-being and needs at all ages; methods of appraising nutritional status.

### **635 Nutrition Education (3)**

Contemporary educational strategies of communicating nutrition concepts for public health nutritionists, dietary consultants, secondary teachers, extension specialists, journalists, medical personnel, and other professionals.

### **636 Protein, Carbohydrates, and Lipids (3)**

Ingestion, digestion, absorption, and metabolism of protein, carbohydrates, and lipids. PREQ: 436 or 536 or permission of instructor.

### **637 Advanced Diet Therapy (3)**

Physiological and metabolic basis for dietary modification in the treatment of disease. PREQ: 437 or 537 or permission of instructor.

### **639 Vitamins and Minerals (3)**

Digestion, absorption, and metabolism of vitamins and minerals. PREQ: 330 or permission of instructor.

### **640 Advanced Nutrition in Athletics (2)**

Students will learn to integrate advanced concepts of nutrition, energy metabolism and exercise physiology to understand nutritional requirements for elite and recreational athletes. PREQ: 330 or equivalent basic nutrition course, physiology course.

### **681 Practicum in Clinical Dietetics (3, R6)**

Supervised on-site experience in clinical dietetics. PREQ: completion of ADA Didactic Program in Dietetics.

### **682 Practicum in Administrative Dietetics (3, R6)**

Supervised on-site experience in administrative dietetics. PREQ: completion of ADA Didactic Program in Dietetics.

### **683 Practicum in Community Dietetics (3)**

Supervised experiences in community dietetics. PREQ: completion of ADA Didactic Program in Dietetics.

### **693 Topics in Nutrition and Food Science (1-3, R9)**

PREQ: 231 and 330 or permission of instructor.

### **695 Advanced Nutrition Seminar (1, R2)**

Graduate student presentations on current research topics in nutrition and related fields. Designed to foster development of critical thinking skills and effective scientific presentation skills. PREQ: 436/536 or equivalent advanced nutrition course.

## **Natural Resources Management (NRM)**

### **593 Topics in NRM (1-4, R12)**

PREQ: Permission of instructor.

## **Nursing (NSG)**

### **501 Advanced Practice Nursing: Roles and Professional Issues (2)**

History, contemporary roles, and practice issues of advanced practice nursing. PREQ: Admission (full or provisional) to the M.S.N. program.



- 510 Theory for Advanced Practice Nursing (2)**  
Critique and evaluation of nursing and other relevant theories from the social, organizational, and biological sciences. PREQ: Admission (full or provisional) to the M.S.N. program.
- 511 Research for Advanced Practice Nursing (3)**  
Research design and methods and critique of research for application to practice. PREQ: Admission (full or provisional) to the M.S.N. program.
- 516 Economics and Organization of Health Care (2)**  
Organization of health care in the U.S., financing health care, reimbursement, managed care, and health policy development and implementation. PREQ: Admission (full or provisional) to the M.S.N. program.
- 517 Pathophysiology for the Advanced Practice Nurse (3)**  
Pathophysiology at the cellular, tissue, and system levels. PREQ: Admission (full or provisional) to the MSN program or permission of instructor.
- 623 Advanced Health/Physical Assessment (3)**  
Advanced health and physical assessment of all body systems, mental status exam, and documentation. PREQ: Admission to the M.S.N. program or permission of instructor.
- 624 Family Health Promotion in the Rural Community (2)**  
Family and community health promotion concepts and processes and rural health issues. PREQ: Admission to the M.S.N. program.
- 625 Clinical Management I (1)**  
Precepted clinical experience focused on application of content in NSG 623; complete and focused history-taking and physical assessment. S/U grading. PREQ: Admission to the MSN program.
- 627 Advanced Practice Nursing: Diagnostics and Procedures (2)**  
Ambulatory care diagnostics and procedures for the advanced practice nurse. PREQ: Admission to M.S.N. program or permission of instructor.
- 651 Teaching/Learning in Nursing Education (3)**  
A thorough examination of teaching and learning theories and applications in nursing education.
- 652 Curriculum Development (3)**  
A thorough examination of nursing and education curricula history, development, implementation and future trends.
- 671 Social and Behavioral Health Problems (2)**  
Health promotion, assessment, diagnosis, and management of mental health problems, violence and abuse, addiction and dependency disorders across the lifespan. PREQ: Admission to the MSN program.
- 673 FNP II: Reproductive Health and the Childbearing Family (3)**  
Health promotion and management of normal pregnancy and newborns, health promotion, assessment, diagnosis, and management of common reproductive concerns of men and women. PREQ: 617, 622, and 623. COREQ: 683.
- 674 FNP III: Primary Care of Children and Adolescents (3)**  
Health promotion, assessment, diagnosis, and management of common health problems of children and adolescents. PREQ: 617, 622, and 623. COREQ: 684.
- 675 FNP IV: Primary Care of Adults and Elderly Adults and Selected Chronic Health Problems Across the Lifespan (3)**  
Health promotion, assessment, diagnosis, and clinical management of common health problems of adults and elderly adults, and selected chronic health problems across the lifespan. PREQ: 617, 622, and 623. COREQ: 685.
- 679 Research Project (1-2, R6)**  
Development, implementation, and evaluation of a clinical research project. Emphasis on the new application of ideas rather than original research. S/U grading. PREQ: Admission to the M.S.N. program, NSG 611 and permission of instructor.

**680 Independent Study (1-3, R6)**

PREQ: Permission of instructor, admission to graduate program.

**683 FNP II: Clinical Management (2)**

Precepted clinical management of reproductive health, pregnancy, and normal newborns in community settings. S/U grading. PREQ: 617, 622, and 623. COREQ: 673.

**684 FNP III: Clinical Management (3)**

Precepted clinical management in community settings of common health problems of children and adolescents. S/U grading. PREQ: 617, 622, and 623. COREQ: 674.

**685 FNP IV: Clinical Management (3)**

Precepted clinical management in community settings of common health problems of adults and elderly adults and selected chronic health problems across the lifespan. S/U grading. PREQ: 617, 622, and 623. COREQ: 675.

**686 FNP V: Primary Care Clinical Practicum (4)**

Precepted clinical management of broad spectrum of clients across the life span. Emphasis on primary health care and synthesis of family nurse practitioner role with seminar. S/U grading. PREQ: 675 and 685.

**687 Practicum in Nursing Education (3)**

Guided practice in classroom and clinical instruction. PREQ: 651 and 652.

**693 Topics in Nursing (1-4, R12)**

PREQ: Permission of instructor.

**699 Thesis (1-3, R6)**

Design, implementation, and evaluation of a clinically related study. Emphasis on application of new ideas. Oral defense required. S/U grading. PREQ: Admission to the M.S.N. program, NSG 611 and permission of instructor.

**779 Continuing Research—Non-Thesis Option (1, R10)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Student must NOT be enrolled in a thesis program.

**799 Continuing Research—Thesis Option (2, R24)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Student must be enrolled in a thesis program.

**Psychosocial and Spiritual Issues in Chronic Illness (3)**

Analysis of psychological, social, and spiritual issues as they impact the lives of individuals affected by chronic illness. PREQ: Permission of instructor.

**Public Affairs (PA)**

**571 Government–Business Relations (3)**

Interrelationships between government and business in the free enterprise system; regulatory role of government; constitutional framework of antitrust laws, public utilities, taxation, and labor legislation.

**572 Public Policy Formulation (3)**

The policy-making process in its political context; models of policy development applied to selected issues.

**580 Readings in Public Affairs (3)**

PREQ: Permission of MPA Director.

**640 Environmental Politics and Policy (3)**

This course profiles the environmental movement in the United States and evaluates tradeoffs between environmental preservation and economic development.

**650 The Nonprofit Sector (3)**

This course examines the history of the nonprofit sector in America and presents challenges facing contemporary nonprofits.

**669 Legal Issues in Public Affairs (3)**

The institutional design and procedures used by administrative agencies to implement policy. Topics include rulemaking, adjudication, enforcement activities, judicial review, and legislative and executive control.

**670 Public Affairs Administration (3)**

The place of public affairs administration and the role of the administrator in the American system of government.

**671 Budgetary Processes (3)**

Budgetary practices and processes at the federal, state, and local levels; roles of professionals and elected officials; budgetary problems, planning, and reform.

**672 Public Organizational Theory (3)**

Analysis of the theories that have shaped and influenced governmental organizations along with application of the theories in the public and non-profit sector.

**673 Public Policy Analysis (3)**

Bureaucratic decision making and theories of analyzing and explaining public policy.

**674 Research Methods for Public Affairs (3)**

Research design, philosophy of social science, and univariate and multivariate statistics.

**675 State and Local Governance (3)**

Political and governmental processes at the state and local level.

**676 Government and Press Relations (3)**

Why and how politicians and public administrators use the press to generate public support for policy decisions and to influence public perceptions: media strategies will be studied.

**677 Public Personnel Management (3)**

Working knowledge of key functions and activities in public personnel management and awareness of the legal basis for the public human resources function.

**678 The Environment of Public Management (3)**

Examine the environment of public management including local government structure, fiscal management and the roles of principal officials and local legislative process.

**685 Internship in Public Affairs (3, R6)**

**693 Topics in Public Affairs (3, R9)**

**779 Continuing Research—Non-Thesis Option (1, R10)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Must NOT be enrolled in a thesis program.

**Philosophy and Religion (PAR)**

**593 Topics in Philosophy and Religion (1-3, R6)**

PREQ: Permission of department head.

**Physical Education (PE)**

**520 Leadership and Administration of Outdoor Pursuits (3)**

Implementation of outdoor pursuits programs. Includes planning and leadership components, outdoor adventure based administrative techniques, and risk management.

**583 Physical Education Advanced Internship (9)**

A full-time internship in physical education. COREQ: 596. Field experience.

**596 Seminar in Physical Education (3)**

Theory related to practice. COREQ: 583.

**615 Legal Issues in Human Performance (3)**

Development of a risk management approach to prevent lawsuits in sport settings; comprehensive study of written and case laws and their effect on physical education and sports; introduction to contract law.

**621 Research in Health and Human Performance (3)**

Research competencies relating to health, physical education, recreation, and dance. PREQ: EDCI 602.

**625 Motor Learning (3)**

Theories and research concerning perceptual modalities in motor skill acquisition; physiological/psychological interaction in perceptual motor learning; relation of feedback, practice, and transfer to motor performance.

**630 Physical Education Curriculum (3)**

History, philosophies, aims, and objectives of physical education curriculum.

**635 Lifespan Motor Development (3)**

Theories, principles, and review of research on the biological, psychological, cognitive, and social changes across the lifespan that influence motor development.

**640 Administration of Physical Education (3)**

Organization and administration of the physical education programs in the school.

**650 Applied Physiology (3)**

Physiological adaptations resulting from different levels of performance.

**655 Methods and Analysis in Physical Education and Sport Instruction (3)**

Advanced methods in physical education and sport instruction and the use of observation instruments designed to enhance pedagogical skills.

**665 Exercise Testing and Prescription (3)**

Testing and training in fitness-based programs.

**675 Issues in Intramurals and Athletics (3)**

Examination of issues in intramurals and athletics.

**676 Research Techniques in Exercise Physiology (3)**

Techniques used for acute and chronic physical activity in humans and animal models. Procedures, ethical considerations, and institutional requirements will be covered. 2 Lecture 2 Lab. PREQ: Introductory courses in physiology and biochemistry.

**694 Special Problems (1-3, R9)**

Topics in physical education, athletics, recreation, dance, and related areas.

**699 Thesis (3, R6)**

PREQ: EDCI 606 and PE 621 or permission of instructor.

**779 Continuing Research—Non-Thesis Option (1, R10)**

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**799 Continuing Research—Thesis Option (2, R24)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Student must be enrolled in a thesis program.

**Physics (PHYS)**

**601 Topics in Physics Education I (3)**

Topics for the secondary teacher, including mechanics, electricity and magnetism, and modern physics; curricular projects. PREQ: High school physics teaching experience or permission of department head.

### **602 Topics in Physics Education II (3)**

Topics for the secondary teacher, including mechanics, electricity and magnetism, and modern physics; curricular projects. PREQ: High school physics teaching experience or permission of department head.

### **Project Management (PM)**

#### **500 Tools for Financial Management (2)**

Introduction to selected tools and topics from the fields of Accounting and finance which support the activities of the project manager. PREQ: Admission to the M.P.M. program.

#### **505 Introductory Statistics and Microeconomics (2)**

A review of appropriate statistical concepts and microeconomic principles for the project manager. PREQ: Admission to the M.P.M. program.

#### **515 Legal and Ethical Issues (2)**

Introduction to selected topics from law and ethics that support the activities of the project manager. PREQ: Admission to the M.P.M. program.

#### **650 Project Management Systems (6)**

An overview of the project management framework and knowledge areas; the strategic context of projects; introduction to project management tools. PREQ: Completion of prerequisites PM 500, 505, 515 or their equivalent.

#### **652 Project Plan Development (6)**

Human resource, legal, financial, and logistical principles for project planning; preparation of initial project plan documentation. PREQ: 650.

#### **654 Project Plan Analysis and Approval (6)**

Integration of human resource, legal, financial, and logistical aspects of projects; preparation and presentation of final project plans. PREQ: 650.

#### **656 Project Implementation: Policies and Procedures (6)**

Creation of the project team; coordination, organizational, and environmental factors with human and physical resources; introduction to project control systems. PREQ: 650.

#### **658 Project Implementation: Monitoring and Production (6)**

Project production oversight; quality control mechanisms and procedures; project team management and development; project tracking; and resolution of production obstacles. PREQ: 650.

#### **660 Project Completion and Professional Evolution (6)**

Project wrap-up and product turnover; synthesis of all facets of project management from implementation and strategic perspectives. Overview of project manager career planning and development and professional responsibility. PREQ: 650.

### **Parks and Recreation Management (PRM)**

#### **580 Independent Study (1-3, R6)**

#### **593 Topics in Parks and Recreation Management (1-3, R6)**

PREQ: Permission of program coordinator.

### **Political Science (PSC)**

#### **507 American Political Parties (3)**

American political parties and their role in the government and politics of contemporary society; current national issues.

#### **508 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.

**516 British Legal Studies (3-6, R6)**

The British Legal System; rules and practices relating to such matters as structure, jurisdiction, and individual rights.

**517 Contemporary British Politics (3)**

Comparison and contrast of the British political system. Special attention will be paid to evolution, structure, and current national issues.

**521 Political and Organizational Leadership (3)**

Concepts and processes of leadership as related to political and public organizations. PREQ: 6 hours of political science or permission of instructor.

**536 Dynamics of World Order (3)**

Alternative approaches to meeting social and political needs in a changing global environment; conditions and practices of interdependence.

**580 Readings in Political Science (3)**

PREQ: Department approval.

**593 Contemporary Political Systems (3, R6)**

Problems in the structure and functions of selected political systems reflected against their political cultures.

**595 Seminar: American Political System (3)**

Current issues in American government and politics.

**693 Topics in Political Science (1-6, R9)**

PREQ: Permission of department head.

**Psychology (PSY)**

**510 Individual Psychology (3)**

Theory and practice related to self-understanding, problem-solving, and interpersonal relationships. PREQ: 6 hours of psychology or permission of instructor.

**526 Death and Dying (3)**

Psychological foundations and correlates of death anxiety and grief; cross-cultural perspectives; death education and stages in children's awareness; methods of coping with grief and fears. PREQ: permission of instructor.

**530 Personality (3)**

Assumptions, constructs, and theories of personality; related empirical findings. PREQ: permission of instructor.

**540 Biological Psychology (3)**

Physiological, genetic, and evolutionary bases of behavior. PREQ: permission of instructor.

**541 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: permission of instructor.

**544 Cognitive Psychology (3)**

Theories and principles of human information processing; language production and comprehension, basic processes in memory and cognition. PREQ: permission of instructor.

**548 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: permission of instructor.

**555 History of Psychology (3)**

Psychology as a scientific endeavor, from early approaches to contemporary schools and trends. PREQ: permission of instructor.

**570 Abnormal Psychology (3)**

Theories of psychopathology; etiology, dynamics, symptomatology, diagnosis, and treatment. PREQ: permission of instructor.

**574 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: permission of instructor.

**610 Advanced Social Psychology (3)**

Theories and research concerning aggression, prosocial behavior, group behavior, conformity, attitudes, person perception, and attraction. PREQ: permission of instructor.

**621 Advanced Educational Psychology (3)**

Application of theories and principles of development, learning, and measurement to classroom practice.

**624 Child and Adolescent Development (3)**

Development and behavior of children, prenatal through adolescence; influences of heredity, maturation, and learning on development. PREQ: permission of instructor.

**625 Adolescent Development (3)**

Physical, mental, and emotional development in adolescents; interests, attitudes, ideals, and social adaptations. PREQ: permission of instructor.

**626 Adulthood and Aging (3)**

Theories, principles, and review of research on the normal development of adults; emphasis on the biological, psychological, cognitive, and social changes from early adulthood through old age. PREQ: permission of instructor.

**648 Advanced Neuropsychological Assessment (3)**

Examination of neuroanatomy, neurophysiology, psychopharmacology and neuropsychology as related to the identification of disorders and deficits. PREQ: Admission to graduate program in school or clinical psychology or permission of instructor.

**650 Advanced General Psychology (3)**

An overview of the discipline of psychology for the advanced student.

**651 Advanced Research Methods: Statistics (3)**

Inferential statistics emphasizing experimental design; univariate and multivariate techniques, nonparametric procedures, and computer usage. PREQ: 251 or equivalent.

**652 Advanced Research Methods: Design and Communication (3)**

Experimental designs, literature review, scientific writing styles, planning, writing; research proposal, statistical analysis of data, and computer applications. 2 Lecture 1 Lab. PREQ: 651.

**661 Psychological Assessment I (4)**

Nature and theory of assessment; administering, scoring, and interpreting Stanford-Binet and Wechsler scales. PREQ: 360 or equivalent; permission of instructor.

**662 Personality Assessment (3)**

Major techniques of objective personality assessment; emphasis on administration, scoring, and interpretation. PREQ: Permission of instructor.

**663 Assessment and Intervention with Preschool Children (3)**

Administration, scoring, and interpretation of assessment scales for children from infancy through childhood; planning and implementation of intervention programs. PREQ: 624 or equivalent.

**664 Psychological Assessment II (3)**

Training in the administration, scoring, and interpretation of ancillary psychological assessment instruments not covered in PSY 661. These instruments include cognitive, educational, and adaptive measures. PREQ: 661 and/or admission into school or clinical psychology program.

**671 Advanced Psychopathology (3)**

Clinical and experimental approaches; classification, etiology, and modification of deviant behavior. PREQ: permission of instructor.

**672 Psychotherapy I: Theories (3)**

The major theoretical perspectives in psychotherapy and their application. PREQ: Admission to the graduate program in clinical psychology.

**673 Professional Issues (3)**

Models of practice in school psychology; social, ethical, and legal issues; interdisciplinary focus of training and professional roles; problems of the professional practice of psychology in school and community settings. PREQ: Permission of instructor.

**674 Advanced Child Psychopathology (3)**

In depth examination of childhood psychopathology; etiology, characteristics and comprehensive assessment; treatment and intervention with childhood disorders. PREQ: Admission to graduate program in school or clinical psychology or permission of instructor.

**675 Cognitive Behavioral Interventions (3)**

Cognitive and behavioral intervention techniques and their application in school and clinical settings. PREQ: Admission to graduate program.

**676 Psychotherapy II: Techniques (3)**

Issues and techniques of psychotherapy and their application. PREQ: Admission to clinical psychology graduate program.

**677 Group Psychotherapy (3)**

Theory and practice of group psychotherapy; supervised problems. PREQ: Admission to psychology graduate program.

**678 Family Systems (3)**

Theory and research in dynamics of family systems; ecological models. PREQ: Permission of instructor.

**679 Survey of Clinical Psychology (3)**

Survey of the major topics and issues in clinical psychology. PREQ: Admission to the graduate program in clinical psychology.

**680 Directed Study in Psychology (3, R9)**

**683 Internship in Psychology (6)**

Six-month, full-time or nine-month, part-time internship in a clinical or school setting. S/U grading. PREQ: 686.

**684 Internship in Psychology (6)**

Six-month, full-time or nine-month, part-time internship in a clinical or school setting. S/U grading. PREQ: 686.

**686 Practicum (1-4, R12)**

Application of psychological theory in the educational setting; observation of practices of school psychologists; participation in school psychological services under field and university supervision. PREQ: 673.

**693 Topics in Psychology (3, R9)**

PREQ: permission of instructor.

**697 Seminar: Behavioral/Emotional Evaluation of Children and Adolescents (3)**

Major techniques of objective and projective personality assessment with children and adolescents; focus on theory, administration, scoring, interpretation, and report writing. PREQ: Admission to psychology graduate program.

**698 Rorschach Seminar (3)**

Administration, scoring, and interpretation of the Rorschach inkblot test. PREQ: Admission to the clinical psychology graduate program.

**699 Thesis (3, R6)**

S/U grading. PREQ: 651 and 652.

**799 Continuing Research—Thesis Option (2, R24)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count



toward fulfilling degree requirements. PREQ: Student must be enrolled in a thesis program.

## **Physical Therapy (PT)**

### **611 Physical Therapy Science I (3)**

Patient care skills: documentation, measurement of joint motion, body mechanics, positioning, transfers, assisted gait, wheelchairs, exercise, infection control. 2 Lecture 2 Lab. PREQ: Admission to the physical therapy program.

### **612 Physical Therapy Science II (3)**

Patient care skills: measurement of joint motion, manual muscle testing, thermoscience, hydrotherapy, biofeedback, and therapeutic exercise. 1 Lecture 4 Lab. PREQ: Admission to the physical therapy program.

### **613 Physical Therapy Science III (4)**

Patient care skills: hydrotherapy and wound care, electrodiagnostic testing, electrotherapy, cardiac and pulmonary rehabilitation, prosthetics, and functional assessment. 2 Lecture 4 Lab. PREQ: Admission to the physical therapy program.

### **614 Physical Therapy Science IV (4)**

Patient care skills: soft tissue and joint mobilization, mechanical traction, functional capacity evaluations, work conditioning/hardening, orthotics, dynamometers, and aquatic therapy. 2 Lecture 4 Lab. PREQ: Admission to the physical therapy program.

### **615 Physical Therapy Science V (4)**

Patient care skills: therapeutic neurological exercises, developmental and functional assessments across the lifespan, environmental assessments, selection of adaptive equipment and orthotic/assistive devices. 3 Lecture 3 Lab.

### **620 Promoting Optimal Physical Function in Older Adults (3)**

Examination of age-related physiologic changes and medical conditions with emphasis on implications for physical function in older adults and interventions for modifying the disablement process.

### **621 Human Anatomy I (3)**

Advanced study, upper quarter. Musculoskeletal, cardiopulmonary, integumentary, nervous, circulatory systems. Anatomical bases for human motion; normal structural changes throughout the lifespan. 1 Lecture 4 Lab. PREQ: Admission to the physical therapy program.

### **622 Human Anatomy II (3)**

Advanced study, lower quarter. Musculoskeletal, integumentary, nervous, circulatory, reproductive, and gastrointestinal systems. Anatomical bases for human motion, normal structural changes throughout the lifespan. 1 Lecture 4 Lab. PREQ: Admission to the physical therapy program.

### **623 Functional Human Anatomy I (4)**

Biomechanical analysis of upper limb structure, function. Clinical applications. 2 Lecture 4 Lab. PREQ: Admission to the physical therapy program.

### **624 Functional Human Anatomy II (4)**

Analysis of lower extremity movement; emphasis on soft tissue relationships, biomechanics. Clinical applications. 2 Lecture 4 Lab. PREQ: Admission to the physical therapy program.

### **631 Human Physiology I (2)**

Advanced study of pathological conditions related to the physiology of the nervous, immune, lymphatic, and cardiopulmonary systems. PREQ: Admission to the physical therapy program.

### **632 Human Physiology II (2)**

Advanced study of pathological conditions related to the physiology of the gastrointestinal, metabolic, urinary, and reproductive systems. PREQ: Admission to the physical therapy program.

### **641 Scientific Inquiry I (2)**

Introduction to disciplined inquiry in physical therapy, emphasis on critical appraisal of the

healthcare literature and clinical research design. PREQ: Admission to the physical therapy program.

**642 Scientific Inquiry II (2)**

Introduction to clinical epidemiology in physical therapy, emphasis on applying outcomes research to clinical decision-making. PREQ: Admission to the physical therapy program.

**643 Scientific Inquiry III (3-Jan)**

Design and implement a clinical research project with permission and supervision of faculty advisor. S/U grading. PREQ: Admission to the physical therapy program.

**644 Scientific Inquiry IV (3-Jan)**

Complete and disseminate results of clinical research project structured in PT 643. S/U grading. PREQ: Admission to the physical therapy program.

**651 Clinical Logic I (3)**

Integration of knowledge in physical therapy assessment and intervention for clients across the lifespan with general medical conditions. 1 Lecture 4 Lab. PREQ: Admission to the physical therapy program.

**652 Clinical Logic II (3)**

Integration of knowledge from the physical therapy sciences to perform physical therapy assessment and intervention for clients with musculoskeletal dysfunction. 1 Lecture 4 Lab. PREQ: Admission to the physical therapy program.

**653 Clinical Logic III (3)**

Integration of knowledge from previous and concurrent courses to perform physical therapy assessment and intervention for clients across the lifespan with neurologic dysfunction. 1 Lecture 4 Lab. PREQ: Admission to the physical therapy program.

**655 Management and Supervision (3)**

Comprehensive study of physical therapy management science, health care delivery systems, external oversight, reimbursement, supervision, delegation, and consultation. REQ: Admission to the physical therapy program.

**660 Neuroscience (1)**

Anatomy and physiology of the human nervous system, including clinical neurological assessment and examination. 1 Lecture 2 Lab. PREQ: Admission to the physical therapy program or permission of department head.

**661 Motor Behavior (1)**

Examination of motor development, motor control, and motor learning in therapeutic settings; emphasis is on intervention principles for clients across the lifespan with neuromuscular dysfunction. 2 Lab.

**665 Physical Care and Management of Students with Severe/Profound Disabilities (3)**

Overview of the physical care and management of students with severe/profound difficulties for interdisciplinary team members in the educational environment. Twenty-two and a half hours per week for two weeks.

**680 Directed Independent Study (1-3, R9)**

Independent study in interdisciplinary or discipline specific issues and/or clinical practice with goals, methods, and expected outcomes negotiated in advance with an individual faculty member. S/U grading. PREQ: Acceptance into the Physical Therapy program.

**683 Experiential Professional Activities I (2)**

Assignment to a clinical setting with a designated supervisor to gain practical experience with healthcare delivery systems and physical therapy practice. S/U grading. PREQ: Admission to the physical therapy program.

**684 Experiential Professional Activities II (2)**

Assignment to a clinical setting with a designated supervisor to gain practical experience with healthcare delivery systems and physical therapy practice. S/U grading. PREQ: Admission to the physical therapy program.

**693 Topics in Physical Therapy (-3, R9)**

In-depth study of selected content related to physical therapy theory or practice. Goal,

methods, outcomes negotiated with faculty in advance. Directed study. S/U grading. PREQ: Admission to the physical therapy program.

**720 Program Assessment (1)**

Curriculum, program, and graduate performance assessment. S/U grading. Workshop/seminar. PREQ: Admission to the physical therapy program.

**779 Continuing Research—Non-Thesis Option (1, R10)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Must NOT be enrolled in a thesis program.

**783 Experiential Professional Activities III (3)**

Assignment to a clinical setting with a designated supervisor to gain practical experience with healthcare delivery systems and physical therapy practice. S/U grading. PREQ: Admission to the physical therapy program.

**784 Experiential Professional Activities IV (10)**

Assignment to a clinical setting with a designated supervisor to gain practical experience with healthcare delivery systems and physical therapy practice. S/U grading. PREQ: Admission to the physical therapy program.

**Science Education (SCI)**

**512 Advanced Science Methods (3, R6)**

Current and innovative methods for teaching secondary science. Emphasis on the inquiry-based approach and new instructional technologies. PREQ: Admission to the M.A.T. or M.A.Ed. in Biology or Chemistry or permission of instructor.

**551 Environmental Science for Teachers (3)**

Materials and techniques for interdisciplinary projects.

**593 Topics in Science Education (1-3, R6)**

**594 Topics in Science Education (1-3, R6)**

**611 Physical and Earth Science for Teachers (3)**

Philosophy and techniques of inquiry teaching; applications using physical and earth science curricular materials.

**621 Biology and Environmental Science for Teachers (3)**

Philosophy and techniques of inquiry teaching applied to biological and environmental curricular materials.

**695 Seminar in Science Education (3)**

Trends, issues, and research problems in science education. PREQ: Permission of instructor.

**696 Seminar in Science Education (3)**

Trends, issues, and research problems in science education. PREQ: Permission of instructor.

**Sport Management (SM)**

**620 Sport Administration (3)**

Theory and practice managing sport delivery organizations of managerial communication, organizational structure, managerial functions, and negotiation.

**623 Philosophical Foundations of Sport (3)**

Foundational philosophies and how to establish an ethical base in the area of sport management.

**630 Economic and Financial Aspects of Sport (3)**

Advanced financial and economic theory and sound fiscal principles specific to the sport industry.

**640 Sport Marketing (3)**

Basic knowledge and understanding of the theory and fundamentals of sport marketing in the sport business industry.

**650 Event and Facility Management (3)**

Planning, development, and management of sport facilities and events, including event management, marketing and promotion and design, planning, and administration of facilities.

**660 Sport Governance (3)**

Aspects of the course will sensitize the student to the cultural and political nature of sport while regional and global sport associations will be explained.

**670 Media and Public Relations in Sport (3)**

An overview of public and media relations applications, as well as computer technologies in sport organizations, as related to professional concerns.

**683 Practicum (9)**

Experiences relating theory to practice in a specific area of sport management. PREQ: Advisor approval required.

**Sociology (SOC)**

**514 Minority Groups (3)**

Relations between dominant and subordinate races and ethnic groups; historical and comparative aspects; African Americans, Chicanos, and Indians. This course is cross-listed with ANTH 514

**523 Sociology of Sport (3)**

Social issues in sports examined from historical, cross-cultural, and sociological perspectives with attention to impact of race, gender, and social class on participation.

**532 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.

**534 Regional and Societal Development (3)**

Social dimensions of economic growth and development with particular emphasis on Third-World countries; alternative definitions of development; problems related to the implementation of change in national, regional, and institutional structures.

**554 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.

**580 Independent Study in Sociology (1-2, R6)**

PREQ: Written application; approval of instructor and advisor.

**583 Internship in Sociology (3)**

Application of theory, methods and techniques in a cooperating agency under faculty supervision. S/U grading. 9 hours per week per course. PREQ: Permission of instructor.

**584 Internship in Sociology (3)**

Application of theory, methods and techniques in a cooperating agency under faculty supervision. S/U grading. 9 hours per week per course. PREQ: Permission of instructor.

**585 Internship in Sociology (3)**

Application of theory, methods and techniques in a cooperating agency under faculty supervision. S/U grading. 9 hours per week per course. PREQ: Permission of instructor.

**594 Topics in Sociology (3, R6)**

PREQ: Permission of instructor.

**801 Rural Society (3)**

Historical and contemporary survey of key social institutions within rural areas in the United States with attention to the processes of demographic and structural change. PREQ: Permission of instructor.

## **Social Work (SOCW)**

### **504 Diversity (3)**

Diversity of culture, ethnicity, ability, sexual orientation, and gender.

### **510 Social Work With Groups (3)**

Knowledge, skills, and values that underlie contemporary social work practice with groups.

### **515 Social Work and Mental Health (-3)**

The mental health system, issues, history, common diagnoses, emphasis on the strengths perspective.

### **526 Child Welfare (3)**

Child welfare services, public and private programs, children's rights, and issues affecting services for children and families.

### **529 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.

### **534 Stages of Human Development (3)**

Multi theory perspectives on human behavior and development: individuals, families, groups, organizations and communities in the social environment.

### **534 Stages of Human Development (3)**

Multi theory perspectives on human behavior and development: individuals, families, groups, organizations and communities in the social environment.

### **535 Research Methods (3)**

Research methods, problems, issues and designs.

### **535 Research Methods (3)**

Research methods, problems, issues and designs.

### **551 Social Policy (3)**

Overview of social policy analysis, programs, legal implications.

### **553 Foundations of Social Work Practice (3)**

Overview of social work, methods, fields of practice, advanced generalist practice.

### **553 Foundations of Social Work Practice (3)**

Overview of social work, methods, fields of practice, advanced generalist practice.

### **562 Generalist Practice: Individuals and Families (3)**

The generalist social work perspective and fundamental knowledge and skills for work with small client systems.

### **562 Generalist Practice: Individuals and Families (3)**

The generalist social work perspective and fundamental knowledge and skills for work with small client systems.

### **564 Generalist Practice: Communities and Organizations (3)**

Application of social work knowledge, values and skills to practice: communities and organizations.

### **564 Generalist Practice: Communities and Organization (3)**

Application of social work knowledge, values and skills to practice: Communities and Organizations.

### **586 Foundations Field Practicum (6)**

Supervised practicum in a social service agency or organization to apply theory and practice knowledge at the foundation level.

### **586 Foundations Field Practicum (6)**

Supervised practicum in a social service agency or organization to apply theory and practice knowledge at the foundation level.

### **627 Advanced Social Work Practice With Families (3)**

Advanced generalist practice related to theory, perspectives, procedures and techniques of

family therapy.

**635 Program Evaluation (3)**

Evaluation of program and practice effectiveness, research knowledge and skills, statistical analysis.

**664 Management in Human Service Organizations (3)**

Concepts, principles, values and strategies of management in human service organizations.

**673 Rural Community Advocacy (3)**

Social and political advocacy: Theories, methods and skills for social work practice in rural areas.

**682 Research Project in Social Work (3, R6)**

Research projects dealing with various fields and methods of social work.

PREQ: Approval of detailed project proposal by instructor.

**686 Advanced Field Practicum I (9)**

Supervised practicum in a social service agency or organization to apply theory and practice knowledge at the advanced level.

**687 Advanced Field Practicum II (9)**

Supervised practicum in a social service agency or organization to apply theory and practice knowledge at the professional level.

**Special Education (SPED)**

**500 Creative Thinking and Problem Solving (3)**

Exploration of creative thinking; emphasis on current research and present methodologies of problem-solving.

**501 Introduction to Learning Disabilities (3)**

Historical concepts and theories of learning disabilities; educational characteristics of learning disabled children; overview of remedial programs. PREQ: 240 or permission of instructor.

**502 Current Issues in Special Education (3)**

Investigation and interpretation of educational issues in special education.

**504 Educational Programs for Students with Behavioral Disorders (3)**

Study of identification procedures, affective and behavioral techniques, and instructional programs for teaching students with behavioral disorders.

**505 Teaching Students with Learning Disabilities (3)**

Advanced approaches and methods for teaching students with learning disabilities. PREQ: 401 or permission of instructor.

**528 Programs and Services for Individuals with Severe/Profound Disabilities (3)**

Addresses programs, services, and related issues relevant to the education and treatment of individuals with severe/profound disabilities.

**529 Educational Programs for Students with Mental Retardation (3)**

Study of educational programs and services for students with mental handicaps.

**530 Teaching Individuals with Moderate to Severe Disabilities (3)**

Exploration of a wide body of literature identifying effective instruction for inclusively educating individuals with moderate to severe disabilities.

**531 The Physically Handicapped Child (3)**

Social, psychological, and medical problems related to children with physical disabilities.

**532 Methods for Teaching Students with Severe/Profound Disabilities (3)**

Provides methods for teaching students with severe/profound and multiple disabilities.

**533 Collaboration with Families and Professionals (3)**

Offers information about developing collaborative teams of parents, teachers, other professionals and paraprofessionals for the education and support of individuals with severe/pro-

found disabilities.

- 534 Positive Behavior Supports for Students with Severe Disabilities, Advanced (3)**  
Exploring and using the current research to create and implement positive behavioral supports, functional behavioral assessments and support plans for students with severe disabilities.
- 555 Creating Positive Classrooms for Students with Disabilities (3)**  
Theoretical approaches and practices for creating positive classrooms.
- 566 Approaches and Practices for Teaching Students with Disabilities (3)**  
Instructional theory and practices for teaching students with disabilities.
- 567 Reading, Writing, and Mathematics Curriculum for Students with Disabilities (3)**  
Remedial approaches and techniques for teaching reading, writing, and mathematics.
- 571 Introduction to Gifted Education (3)**  
Historical concepts of gifted education; examination of the definitions of giftedness; examination of the characteristics and unique needs of gifted students; screening and identification procedures.
- 575 Methods and Models of Gifted Education (3)**  
Examination and analysis of the methods and models of gifted education. PREQ: 571 or equivalent.
- 577 Curriculum Differentiation for Gifted Learners (3)**  
Exploration of ways to adapt content, process, product and the learning environment to provide appropriate learning experiences for gifted students. PREQ: 571 or equivalent.
- 593 Topics in Special Education (1-3, R6)**  
PREQ: Permission of instructor.
- 603 Administration of Special Education Programs (3)**  
Administrative practices and problems of organization, staffing, curricular development, and supervision of special education.
- 604 Theory and Practice in Early Intervention (3)**  
Legal issues, family involvement, parent partnerships, program evaluation, public policy, historical perspectives, models, and theories related to early intervention.
- 606 Intervention for Young Children with Developmental Disabilities (3)**  
Effective environments and programs, appropriate resources and support services, curricular adaptations, and instructional planning related to intervention for young children.
- 620 Education in a Diverse Society (3)**  
Prepares teachers to meet the learning needs of diverse student populations.
- 630 Teaching Students with Mild to Moderate Mental Retardation (3)**  
Objectives, methods, and materials for students with mild to moderate mental retardation.
- 631 Appraisal of Exceptional Children (3)**  
Educational assessment of exceptional individuals emphasizing curriculum-based measurement.
- 632 Preschool Disorders: Assessment and Evaluation (3)**  
Best practices in assessment for early intervention; assessment instruments, curriculum, family-centered approaches.
- 681 Seminar in Learning Disabilities (3)**  
Exploration of emerging theories influencing the learning disability field; current research and practices.
- 682 Research in Special Education (3)**  
Theoretical and experimental research into techniques of teaching, investigation of problems, and educational systems. PREQ: EDCI 602 or equivalent.
- 684 Teaching Students with Behavioral Disorders (3)**  
In-depth analysis of one program model, development of instructional strategies from this

approach, and examination of interdisciplinary approaches to treatment. PREQ: 504, PSY 574, or permission of advisor.

**687 Practicum in Special Education (1-3, R9)**

Supervised experience in a school or clinical setting. PREQ: Written application; approval of instructor and advisor.

**688 Practicum in Special Education (1-3, R3)**

Supervised experience in a school or clinical setting. PREQ: Written application; approval of instructor and advisor.

**779 Continuing Research—Non-Thesis Option (1, R10)**

See Policy on Completion of Thesis and Dissertation found in the Admissions and Degree Requirements Section of the Graduate Catalog. S/U grading. These hours will not count toward fulfilling degree requirements. PREQ: Must NOT be enrolled in a thesis program.

**University Studies Interdisciplinary (USI)**

**693 Topics in Graduate Education (1-3, R6)**



# THE REGISTER

## 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 thirtytwo voting members of the Board of Governors are elected by the North Carolina General Assembly for four-year terms. Former board chairmen and board members who are former governors of North Carolina may continue to serve for limited periods as non-voting members emeriti. The president of the UNC Association of Student Governments, or that student's designee, is also a non-voting member.

Each of the sixteen constituent institutions is headed by a chancellor, who is chosen by the Board of Governors on the president's nomination and is responsible to the president. Each institution has a board of trustees, consisting of eight members elected by the Board of Governors, four appointed by the governor, and the president of the student body, who serves ex officio. The North Carolina School of the Arts has two additional ex officio members. Each board of trustees holds extensive powers over academic and other operations of its institution on delegation from the Board of Governors.

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## WESTERN CAROLINA UNIVERSITY

Western Carolina University was founded in August 1889 as a semi-public school. Chartered as Cullowhee High School in 1891, it served the Cullowhee community and boarding students from neighboring counties and other states.

For Professor Robert Lee Madison, the institution's founder, the aim of the school was teacher training. In 1893, with the first state appropriation of \$1,500, a normal department was established. In 1905, the institution became Cullowhee Normal and Industrial School, a title it held for 20 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.

### Board of Trustees

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Gibbs Knotts .....	Associate Dean, Research and Graduate Studies
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\* Only officers thought to be of special interest to graduate students are listed. See Undergraduate Catalog for complete listing.

**The Graduate School**

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Susan Stewart  
Sandra Tonnsen  
David Butcher (faculty representative to  
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Peter Bates  
Chris Cooper  
Karena Cooper-Duffy  
Jane Eastman  
Michelle Hargis  
Steven Henson  
Scott Higgins  
Mark Holiday  
Mary Karlet  
Meagan Karvonen  
Bill Kwochka  
Dixie McGinty  
Gayle Moller  
Sean O'Connell  
Phil Sanger  
Krista Schmidt

\*Graduate student member

**Administration**

The Graduate School consists of a graduate faculty represented by the dean, who is the administrative officer, and the Graduate Council. The dean reports to the Vice Chancellor for Academic Affairs and is responsible for Research and Graduate Studies.

The Graduate Council formulates and recommends policies and standards for the Graduate School, reviews and recommends all teaching personnel for graduate courses, and appraises and recommends new graduate degree programs and changes in existing programs.

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