ELIZABETH CITY STATE UNIVERSITY

2004-2006 CATALOG

Accreditations & Memberships

Elizabeth City State 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 is 404-679-4501) to award degrees at the baccalaureate and master's levels.

ECSU's Teacher Education Program is approved by the North Carolina State Board of Education and accredited by the National Council for the Accreditation of Teacher Education (NCATE). Its Industrial Technology Program is accredited by the National Association of Industrial Technology and the Social Work Program is accredited by the American Council of Social Work Education.

The university as a whole, or through components of it, has current memberships in various professional learned organizations. Memberships are held in the following:

- American Council on Education
- American Association of Colleges for Teacher Education
- American Association of Higher Education
- American Association of School Administrators
- American Association of State Colleges and Universities
- American Library Association
- American Mathematical Society
- Associated Collegiate Press
- Association for General and Liberal Studies
- Association for Institutional Research
- Association of International Educators
- Association for Supervision and Curriculum Development
- Association of College Administration Professionals
- Association of Teacher Education Institutions
- Association to Advance Collegiate Schools of Business
- Carolinas Association of Collegiate Registrar and Admissions Officers
- Central Intercollegiate Athletic Association
- College Entrance Examination Board
- Colleges and University Personnel Association
- Colleges and University Systems Exchange
- Intercollegiate Press
- Council for the Advancement and Support of Education
- Mathematics Association of America
- National Association for Equal Opportunity in Higher Education
- National Association of College and University Attorneys
- National Association of College and University Business Officers
- National Association of Foreign Student Advisors
- National Association of Student Aid Administrators
- National Collegiate Athletic Association
- National Cooperative Education Association
- North American Association of Summer Sessions
- North Carolina Association for Institutional Research
- North Carolina Association of Colleges for Teacher Education
- North Carolina Association of Student Aid Administrators
- North Carolina Association of Summer Sessions
- North Carolina Cooperative Education Association
- North Carolina Library Association
- North Carolina Student Information System
- Society for College and University Planning
- Society for Human Resource Management
- Southern Association of College and University Business Officers
- Southern Association of Libraries
- Southern Association of Student Aid Administrators
- Student Information System Users
- University Council on International Programs
- University of North Carolina Exchange Programs
- University Council on International Programs
- University of North Carolina Exchange Programs

A Note To Students

The publisher of this catalog has attempted to present information which, at the time of preparation for printing, most accurately describes the course offerings, faculty listings, policies, procedures, regulations, and requirements of the university. However, it does not establish contractual relationships. The university reserves the right to make changes in both curricula and regulations without prior notice. Students should consult academic advisors for current information.

Copies of the general catalog are made available to all students registered at the university, high school guidance counselors, and college and university libraries. Additional copies are available for $5.00 from the Office of the Registrar, Elizabeth City State University, Elizabeth City, North Carolina 27909.

ELIZABETH CITY
State University

2004-2006 Catalog

Elizabeth City, North Carolina 27909

NON-DISCRIMINATION STATEMENT

Elizabeth City State University is committed to equality of educational opportunity and does not discriminate against applicants, students, or employees based on race, color, national origin, religion, gender, age, or disability.

Elizabeth City State University supports the protection afforded to all members of its community by all applicable state and federal laws—including, but not limited to, Title VI and Title VII of the Civil Rights Act of 1964, as amended by the Civil Rights Act of 1991 (CRA), the Americans with Disabilities Act of 1990 (ADA) as amended; Section 504 of the Rehabilitation Act of 1973; the Equal Pay Act of 1963; the Discrimination in Employment Act of 1967 (ADEA); Executive Order 11246; Title IX of the Education Amendments of 1972; Sections 799A and 845 of the Public Health Service Act; the Family Educational Rights and Privacy Act of 1974 (FERPA) —Part of PL 93-308; and the Family and Medical Leave Act of 1993 (FMLA).

Copies of this public document were printed at a cost of $3.00 per copy.

from THE CHANCELLOR

Mickey L. Burnim, Ph.D.

At Elizabeth City State University, students are our first priority. Through the many degree programs offered, our goal is to ensure academic excellence for each student by providing meaningful educational experiences and quality instruction in a personalized nurturing environment. It is our vision that upon graduating every ECSU student will have the skills to compete in a pluralistic and technologically advanced society, an understanding of ever-changing world events and how to adapt to them, and an appreciation for life-long learning.

Campus life, designed for both our resident and commuter students, is also a top priority at Elizabeth City State University. We expose students to a wide variety of social and cultural activities that provide opportunities for involvement, creativity, and accomplishment. Furthermore, we strive to offer our students a comfortable and safe environment conducive to personal development and academic achievement. Located in the historic Albemarle region of northeastern North Carolina, we are only an hour from the beaches of the Outer Banks of North Carolina and Virginia Beach, Virginia, where students may find countless opportunities to broaden their cultural and social experiences.

With students at the forefront, we will continue to provide the tools and services that will give them the competitive edge in this rapidly changing world.

ELIZABETH CITY State University

ACADEMIC CALENDAR

Fall Semester 2004

Wednesday-Friday, August 18-20	– Fall Faculty/Staff Institute
Thursday-Friday, August 19-20	– New Student Orientation
Saturday, August 21	– Weekend/Evening/Graduate Programs Official Registration, 9:00 a.m. to 12:00 p.m.
Sunday, August 22	– Residence Halls Open, All Students, 8:00 a.m. to 5:00 p.m.
Monday, August 23	– Official Registration, 8:30 a.m. to 7:00 p.m.
Tuesday, August 24	– **Late Registration with Fee Begins,** 8:30 a.m. - 5:00 p.m.
	– Regular/Weekend/Evening/Graduate Classes Begin, 8:00 a.m.
	– Drop and Add Period Begins
Friday, August 27	– Late Registration Ends and Last Day to Drop and Add Courses
Monday, September 6	– Labor Day Holiday, Classes Dismissed, Offices Closed
Tuesday, September 7	– Classes Resume, 8:00 a.m.
Saturday-Friday, October 9-15	– Mid-term Week (All Students)
Monday-Tuesday, Oct. 18-19	– Fall Recess
Wednesday, October 20	– Classes Resume, 8:00 a.m.
	– Last Day to Withdraw from Classes with a Grade of "W"
	– Deadline for Reporting Grades - 12:00 p.m.
Thursday, October 21	– Last Day to Remove "I" Grades
Sunday, October 31	– 60% for Financial Aid
Monday-Friday, November 1-12	– Academic Advisement/Pre-registration, 8:00 a.m.-5:00 p.m.
Saturday, November 6	– Pre-registration Weekend/Evening/Graduate Programs, 9:00 a.m.-12:00 p.m.
Monday, November 15	– Last Day to Withdraw from Classes and Receive a Grade of "WP" or "WF"
Friday, November 19	– Last Day to Withdraw from the University and Receive a Grade of "WD"
Wednesday-Friday, November 24-26	– Thanksgiving Holiday, Classes Dismissed
Monday, November 29	– Classes Resume, 8:00 a.m.
Friday-Tuesday, December 3-7	– Final Examinations, Weekend/Evening/Graduate Programs and Graduating Seniors
Tuesday, December 7	– Last Day of Classes
Wednesday, December 8	– Grade Reports Are Due in the Registrar's Office, 12:00 p.m. Reading Day
Saturday, December 11	– Fall Commencement
Thursday-Wednesday, Dec. 9-15	– Final Examination Week, Other Students
Friday, December 17	– Deadline for Reporting Grades - 3:00 p.m.

Wednesday-Friday, January 5-7	– Winter Faculty/Staff Institute
Thursday-Friday, January 6-7	– New Student Orientation
Saturday, January 8	– Weekend/Evening/Graduate Programs Official Registration, 9:00 a.m. to 12:00 p.m.
Sunday, January 9	– Residence Halls Open - All Students, 8:00 a.m. to 5:00 p.m.
Monday, January 10	– Official Registration, 8:30 a.m. to 7:00 p.m.
Tuesday, January 11	– **Late Registration with Fee Begins,** 8:30 a.m.-5:00 p.m.
	– Regular/Weekend/Evening/Graduate Classes Begin, 8:00 a.m.
	– Drop and Add Period Begins
Friday, January 14	– Late Registration Ends and Last Day to Drop and Add Courses
Monday, January 17	– Dr. Martin L. King, Jr. 's Holiday, Classes Dismissed, Offices Closed
Tuesday, January 18	– Classes Resume, 8:00 a.m.
Wednesday, March 2	– Founders' Day
Saturday-Friday, March 5-11	– Mid-Term Week (All Students)
Tuesday, March 8	– Last Day to Remove "I" Grades
Monday, March 14	– Deadline for Reporting Grades - 12:00 p.m.
Monday-Saturday, March 14-19	– Spring Recess
Monday, March 21	– Classes Resume, 8:00 a.m.
Wednesday, March 23	– 60% for Financial Aid
	– Last Day to Withdraw from Classes and Receive a Grade of "W"
Friday, March 25	– Good Friday Holiday, Classes Dismissed, Offices Closed
Saturday, March 26	– Saturday Classes Dismissed
Monday, March 28	– Easter Monday, Classes Dismissed
Tuesday, March 29	– Classes Resume, 8:00 a.m.
Monday-Friday, April 4 - 15	– Academic Advisement/Pre-registration for Summer/Fall 2005, 8:00 am.-5:00 p.m.
Saturday, April 9	– Pre-registration Weekend/Evening/Graduate Programs, 9:00 a.m.-12:00 p.m.
Monday, April 11	– Last Day to Withdraw from Classes and Receive a Grade of "WP" or "WF"
Friday, April 15	– Last Day to Withdraw and Receive a Grade of "WD"
Saturday-Wednesday, April 23-27	– Final Examinations, All Graduating Seniors
Thursday, April 28	– Grade Reports for Graduating Seniors Are Due in the Registrar's Office by 12:00 p.m.
	– Last Day of Classes
Friday, April 29	– Reading Day
Saturday, April 30	– Final Examination, Weekend/Evening/Graduate Programs
Monday-Friday, May 2-6	– Final Examination, Other Students
Saturday, May 7	– Spring Commencement
Monday, May 9	– Deadline for Reporting Grades – 3:00 p.m.

Fall Semester 2005

Wednesday-Friday, August 17-19	– Fall Faculty/Staff Institute
Thursday-Friday, August 18-19	– New Student Orientation
Saturday, August 20	– Weekend/Evening/Graduate Programs Official Registration, 9:00 a.m. to 12:00 p.m.
Sunday, August 21	– Residence Halls Open, All Students, 8:00 a.m. to 5:00 p.m.
Monday, August 22	– Official Registration, 8:30 a.m. to 7:00 p.m.
Tuesday, August 23	– **Late Registration with Fee Begins,** 8:30 a.m.-5:00 p.m.
	– Regular/Weekend/Evening/Graduate Classes Begin, 8:00 a.m.
	– Drop and Add Period Begins
Friday, August 26	– Late Registration Ends and Last Day to Drop and Add Courses
Monday, September 5	– Labor Day Holiday, Classes Dismissed, Offices Closed
Tuesday, September 6	– Classes Resume, 8:00 a.m.
Saturday-Friday, October 8-14	– Mid-term Week (All Students)
Monday, October 17	– Deadline for Reporting Grades – 12:00 p.m.
Monday-Tuesday, October 17-18	– Fall Recess
Wednesday, October 19	– Classes Resume, 8:00 a.m.
Thursday, October 20	– Last Day to Remove "I" Grades
Tuesday, October 25	– Last Day to Withdraw from Classes with a Grade of "W"
Monday, October 31	– 60% for Financial Aid
Monday-Friday, October 31-November 11	– Academic Advisement/Pre-registration, 8:00 a.m.-5:00 p.m.
Saturday, November 5	– Pre-registration Weekend/Evening/Graduate Programs, 9:00 a.m.-12:00 p.m.
Monday, November 14	– Last Day to Withdraw from Classes and Receive a Grade of "WP" or "WF"
Wednesday-Friday, November 23-25	– Thanksgiving Holiday, Classes Dismissed
Monday, November 28	– Classes Resume, 8:00 a.m.
Tuesday, November 29	– Last Day to Withdraw from the University and Receive a Grade of "WD"
Friday-Tuesday, December 2-6	– Final Examinations, Weekend/Evening/Graduate Programs and Graduating Seniors
Tuesday, December 6	– Last Day of Classes
Wednesday, December 7	– Grade Reports Are Due in the Registrar's Office, 12:00 p.m.
	– Reading Day
Saturday, December 10	– Fall Commencement
Thursday-Wednesday, December 8-14	– Final Examination Week, Other Students
Friday, December 16	– Deadline for Reporting Grades – 3:00 p.m.

Wednesday-Friday, January 4-6	– Winter Faculty/Staff Institute
Thursday-Friday, January 5-6	– New Student Orientation
Saturday, January 7	– Weekend/Evening/Graduate Programs Official Registration, 9:00 a.m. to 12:00 p.m.
Sunday, January 8	– Residence Halls Open - All Students, 8:00 a.m. to 5:00 p.m.
Monday, January 9	– Official Registration, 8:30 a.m. to 7:00 p.m.
Tuesday, January 10	– **Late Registration with Fee Begins,** 8:30 a.m.-5:00 p.m.
	– Regular/Weekend/Evening/Graduate Classes Begin, 8:00 a.m.
	– Drop and Add Period Begins
Friday, January 13	– Late Registration Ends and Last Day to Drop and Add Courses
Monday, January 16	– Dr. Martin L. King, Jr.'s Holiday, Classes Dismissed, Offices Closed
Tuesday, January 17	– Classes Resume, 8:00 a.m.
Wednesday, March 1	– Founders' Day
Saturday-Friday, March 4-10	– Mid-Term Week (All Students)
Tuesday, March 7	– Last Day to Remove "I" Grades
Monday, March 13	– Deadline for Reporting Grades – 12:00 p.m.
Monday-Saturday, March 13-18	– Spring Recess
Monday, March 20	– Classes Resume, 8:00 a.m.
Tuesday, March 21	– Last Day to Withdraw from Classes and Receive a Grade of "W"
Wednesday, March 22	– 60% for Financial Aid
Monday-Friday, April 3-13	– Academic Advisement/Pre-registration for Summer/Fall 2006, 8:00 a.m.-5:00 p.m.
Saturday, April 8	– Pre-registration Weekend/Evening/Graduate Programs, 9:00 a.m.-12:00 p.m.
Tuesday, April 11	– Last Day to Withdraw from Classes and Receive a Grade of "WP" or "WF
Friday, April 14	– Good Friday Holiday, Classes Dismissed, Offices Closed
Saturday, April 15	– Saturday Classes Dismissed
Monday, April 17	– Easter Monday, Classes Dismissed
Tuesday, April 18	– Classes Resume, 8:00 a.m.
	– Last Day to Withdraw and Receive a Grade of "WD"
Saturday-Wednesday, April 22-26	– Final Examinations, All Graduating Seniors
Thursday, April 27	– Grade Reports for Graduating Seniors Are Due in the Registrar's Office by 12:00 p.m.
	– Last Day of Classes
Friday, April 28	– Reading Day
Saturday, April 29	– Final Examination, Weekend/Evening/Graduate Programs
Monday-Friday, May 1-5	– Final Examination, Other Students
Saturday, May 6	– Spring Commencement
Monday, May 8	– Deadline for Reporting Grades – 3:00 p.m.

Corresponding Directory

For prompt attention, send inquiries to the appropriate person and office, Elizabeth City State University, Elizabeth City, North Carolina 27909. The university's information number is (252) 335-3400 and Internet address is http://www.ecsu.edu.

GENERAL

Dr. Mickey L. Burnim, *Chancellor*
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- Mr. Vincent L. Beamon, *Registrar*
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- Mr. Benjamin Hunter, *Director of Facilities Management*
- Mr. Gregory Magee, *Director of Design and Construction*
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- Ms. LaTanya Afolayan, *Director of Major and Planned Giving*
- Mrs. Melanie Peel Blackford, *Director of Annual Fund*
- Mrs. Carol Heyward, *Director of Alumni Relations*

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- Mrs. Nancy Y. Lee, *Director of Institutional Research and Assessment*
- Mr. Morris A. Autry, *Director of Community Development*
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DIVISION OF ACADEMIC AFFAIRS
&
ACADEMIC SUPPORT UNITS

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Educational Talent Search	Dr. Cheryl J. Lewis
General Studies Department	Mrs. Sherry B. Lewis
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Library Services	Ms. Rebecca A. Ware
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NC-MSEN (Mathematics & Science Education Network)	Ms. Robin B. Joyner
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University Planetarium	Dr. Sultana A. Khan
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University Honors Program	Dr. Velma B. Blackmon
Virtual College/Distance Learning	Mrs. Kimberley N. Stevenson
Weekend/Evening Program	Vacant

ACADEMIC UNITS

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Department of Military Science	**LTC Vince Ross, Chairperson**
School of Arts & Humanities	**José S. Gil, PhD - Dean**
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Music	Gloria Knight, EdD - Chairperson
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Chemistry & Physics	Ephraim Gwebu, PhD - Chairperson
Mathematics & Computer Science	Georgia S. Lawrence, PhD - Chairperson
Technology	Akbar E. Eslami, PhD - Chairperson

ELIZABETH CITY STATE UNIVERSITY
FOUNDED 1891

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general information

History of
The University of North Carolina

History of
Elizabeth City State University

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HISTORY OF *The University Of North Carolina*

In North Carolina, all public educational institutions that grant baccalaureate degrees are part of The University of North Carolina. Elizabeth City State University is one of the 16 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 N.C. 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 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 16-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 32 voting members of the Board of Governors are elected by the 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 16 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 NC 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.

MISSION

Elizabeth City State University, a constituent institution of The University of North Carolina, offers baccalaureate programs in the arts and sciences, professional and pre-professional areas, as well as master's degrees in selected disciplines.

Originally an institution for African-American students, the university's rich heritage provides a strong background for its increasingly multicultural student body. By providing a challenging, student-centered learning environment, the university prepares its students for responsible participation and leadership in an ever-changing world.

Through teaching, research, and community outreach, the university is a valuable resource for developing the intellectual capital of the state and the nation and for addressing the environmentally sensitive economic needs of northeastern North Carolina.

HISTORIC LOCATION

Located in the historic Albemarle area near the mouth of the Pasquotank River, Elizabeth City State University offers students the opportunity to receive an excellent education while enjoying a wide variety of recreational and cultural amenities. Favored by a mild climate and proximity to the world-renowned Outer Banks recreation area, ECSU can supply ingredients that help make student living and learning both exciting and fulfilling. In addition, the university offers students a variety of social programs, cultural programs, religious and musical organizations and clubs. Fraternities and sororities are also available to students as well as a variety of athletic sports events.

Students may also wish to take advantage of the historical sites in the greater Albemarle and southeast Virginia areas. Williamsburg, Jamestown, Roanoke Island, Yorktown, several antebellum plantations, beaches and waterways are among sites within an easy drive from the campus.

United States Highways 17 and 158 make the city and the university easily accessible by automobile and bus routes from all points. Hotels and motels are available to accommodate overnight visitors and the university is just over an hour's drive from the Norfolk (Virginia) International Airport.

The university is situated on 114 acres which represent the campus proper. Another 68 acres comprise the former farm on Weeksville Road (N.C. 34); a 639-acre tract in Currituck County helps preserve the nation's diminishing wetlands and provides for educational research; and 35 acres serve residential or expansion purposes. There are also small sites in Utah and Virginia used, respectively, for geological instruction and institutional enhancement.

GROWTH & DEVELOPMENT

Elizabeth City State University has been a growing, coeducational, undergraduate, public, state-assisted institution since its inception on March 3, 1891, when House Bill 383 was ratified. The bill to establish the institution was introduced in the N.C. General Assembly by **HUGH CALE** (1835–1910), a black Representative from Pasquotank County.

By law, the institution was initially created as a normal school for the specific purpose of "teaching and training teachers of the colored race to teach in the common schools of North Carolina." It was named Elizabeth City State Colored Normal School and began operation in the Rooks Turner Building on January 4, 1892, with a budget of $900, two faculty members, and 23 students.

During ensuing years, the institution survived a statewide effort to consolidate normal schools. Local citizens of both races were of immense help in this effort. The first Summer Session was in 1900 and on September 9, 1912, the institution moved to its current location.

Between 1891 and 1928, curricula and resources were expanded under the yeoman leadership of **PETER WEDDERICK MOORE**. Nine different academic programs—ranging from grade school to a "post-graduate" curriculum—marked Principal Moore's incumbency. The Normal curriculum had primary and grammar tracks. Enrollment increased from 23 to 355, and the faculty from two to 15 members by the time Dr. Moore retired on July 1, 1928. His designation of President-Emeritus is believed to be the first such honor in the state.

Under the leadership of the second president, **JOHN HENRY BIAS**, the institution was elevated from a two-year normal to a four-year teachers' college in 1937. President Bias served from July 1, 1928, until his death on July 15, 1939. During his

tenure the name was officially changed, by an act of the legislature, to **Elizabeth City State Teachers' College**, effective March 30, 1939. A second purpose was given to the school: the training of elementary school principals for rural and city schools. The first Bachelor of Science degrees were awarded to 26 graduates by President Bias on May 19, 1939. The sole major was Elementary Education, with primary and grammar tracks; the Secondary School Department was discontinued in 1931.

Serving from November 18, 1939, until he resigned on December 31, 1945, the third president, **HAROLD LEONARD TRIGG,** laid plans for physical expansion and concentrated his efforts on aiding students through the National Youth Administration at the College. He also strengthened the Elementary Education major. While Dr. Bias had the onerous task of maintaining the institution during the Depression, Dr. Trigg faced the rigors of World War II which buffeted the fledgling teachers' college.

SIDNEY DAVID WILLIAMS, who became the fourth president, served from January 1, 1946, until he retired on August 31, 1958. During his administration, the Association of Colleges and Schools (an organization of historically black institutions) recognized Elizabeth City State Teachers College as an "A"-rated institution in 1957; and improvements occurred in the curricula and physical plant. Dr. Williams was designated the second President-Emeritus of the institution by the Board of Trustees on September 16, 1969. President-Emeritus Williams (born 1892) died January 21, 1974.

The college experienced significant growth and development during the administration of **WALTER NATHANIEL RIDLEY**, the fifth president, September 1, 1958–June 1968. Curricular offerings were expanded between 1959 and 1963 from the two-track Elementary Education major to 13 additional degree-granting programs, providing 17 degree-granting tracks. Students also earned certificates in five vocational-technical programs for a total of 22 curricular options. Ten departments of instruction came into existence serving students pursuing both teacher-training and, for the first time, non-teaching programs.

The College was elevated from the "approved" list to full membership in the Southern Association of Colleges and Schools (SACS) in December 1961. Its accreditation has been reaffirmed by this regional agency since that time.

The school's name was changed from "State Teachers College" to **Elizabeth City State College** by a 1963 legislative act. In honor of his contributions to the institution, Dr. Ridley became the school's third President-Emeritus on March 3, 1988. President-Emeritus Ridley died September 26, 1996.

MARION DENNIS THORPE served as the sixth president (July 1, 1968 – June 30, 1972) and became the first chancellor of the institution (1972–1984), when the university was made one of the 16 institutions of The University of North Carolina.

Dr. Thorpe's administration was marked by vigorous efforts to improve the institution academically and physically. Increased UNC System funding allowed employment of additional experienced faculty members with doctorates, doubling the faculty size. Special programs for freshmen and increased emphasis on interinstitutional cooperation also marked his administration. Various offices and components were established, such as a Planning Division, and offices covering Development, Institutional Research, Archives and Records Center (then one of the few historically black colleges with such), and Living-Learning Centers in student residence halls.

Other hallmarks of Dr. Thorpe's administration included: Trustee approval of recommendations for the school's first professors emeriti; completion of several buildings — including a 200-student residential complex; three new academic departments; 14 new degree-granting programs; six additional or variant program tracks; and an ROTC program. A Faculty Council was established; computer capability grew significantly; library holdings and usage increased; long-range and affirmative action plans were revised; a PABX telephone system was installed; a National Youth Sports Program was initiated; and the institution's history was written. Major fund-raising programs also highlighted Dr. Thorpe's tenure, including incorporation of the ECSU Foundation (1971).

Dr. Thorpe broadcasted the institution's message worldwide. Just as President Ridley made a round-the-world educational tour, Chancellor Thorpe made a Far East educational tour and sent the university choir to Europe and the Bahamas. A sculpture, entitled "Life, Liberty, Pursuit of Happiness," was presented to the citizens of Elizabeth City. Dr. Thorpe served the second longest term as chief executive and was the second to die while actively in office — April 28, 1983. Two posthumous honors came that year: a Joint Legislative Resolution (June 27), believed to be a first of its genre; and an LLD

(October 28) granted by his alma mater, North Carolina Central University.

Following extensive service to the institution, successively as Assistant Academic Dean/Administration; Vice Chancellor for Academic Affairs and Dean of the Faculty; and, from May 1, 1983, Acting Chancellor, JIMMY RAYMOND JENKINS, '65, became the first alumnus to be named chief executive officer of Elizabeth City State University on October 14, 1983. Prior to his elevation as second Chancellor, Dr. Jenkins was instrumental in establishing several institutional improvements. These include a Health Careers center, a Division of General Studies (1977), the institution's designation as a Bicentennial Campus (1976), inaugurating a faculty extravaganza for student scholarships named "Scholarcade," and beginning the Extended Day Program.

Chancellor Jenkins' administration fostered numerous other institutional improvements including seven new academic majors and eight degree-granting variants of existing programs. Other important innovations included community service efforts, his attention to campus beautification and aesthetic improvements, establishment of an Airway Science concentration, and formation of an Office of Sponsored Programs, Contracts & Grants.

Additional accomplishments of the Jenkins Administration included the completion of a science complex housing the only planetarium in this part of the state, the erection of a computing laboratory, and construction of the Commuter Center. A 200-bed residence hall was constructed on a newly acquired tract of land long sought by the university, and plans were initiated for constructing a fine arts building on another section of this land. Dr. Jenkins' staff was the first to occupy the newly finished M. D. Thorpe Administration Building named in honor of his immediate predecessor.

Having brought total alumni to just under 12,000 graduates while enriching his alma mater through the establishment of a Music Recording Studio, Teleconferencing Center, on-campus U.S. Postal Station, and accreditation with plaudits from SACS and NCATE, Dr. Jenkins resigned effective August 31, 1995. A grateful Board of Trustees named him ECSU's first Chancellor-Emeritus, December 19, 1995.

On September 1, 1995, UNC President C. D. Spangler, Jr., appointed **MICKEY LYNN BURNIM** to serve as Interim Chancellor. Dr. Burnim quickly demonstrated his ability and interest in moving the university forward, giving special attention to increasing enrollment; developing a detailed, university-wide strategic plan; enhancing faculty governance; improving campus security; and, most importantly, implementing a student-centered managerial focus. On July 1, 1996, Dr. Burnim became the eighth chief executive officer of the institution upon election by the UNC Board of Governors.

Chancellor Burnim's administration has been one of strong leadership in an aggressive pursuit of the institutional mission. In 1995-96 and 1998-99, gifts were received to establish ECSU's first two endowed professorships - the E. V. Wilkins Endowed Professorship in Education and the Marshall A. Rauch Endowed Professorship in Biology, respectively – bringing distinction and prestige to each academic program while enhancing the university's scholarly reputation. History was again made with the establishment of the university's first master's degree program in elementary education, admitting the first cohort of students in January 2000. In 2003, a master's degree program in biology was established followed by a master's degree program in mathematics in 2004. To strengthen the undergraduate curricula, five baccalaureate degree programs were established, including Marine Environmental Science and Social Work (2000), Communications Studies and Aviation Science (2002), and Pharmaceutical Science (2003).

Under the leadership of Chancellor Burnim, validation of the university's exemplary status was received from the national publication, *U.S. News and World Report*, who ranked ECSU #1 in the category of "Top Public Comprehensive Colleges-Bachelor's" in the south in 2004, previously ranking the university #3 in 1991, 2001, and 2002. The university was also recognized in 2001 and 2002 by the NCAA Foundation and USA Today who ranked ECSU in the top 10 of Division II colleges for the graduation rate of its student-athletes.

Enrollment growth has been a top priority during Chancellor Burnim's administration. In fall 2002 and 2003, enrollment of freshmen and new transfer students was the highest in the institution's history, reaching 2,150 and 2,308, respectively. Recruitment and admissions strategies, including marketing, contributed to this success.

Major efforts led to the enhancement of the campus physical plant and infrastructure. Advancing technology resulted in a complete campus-wide fiber optics infrastructure, making Internet access available

to each building and office. Other telecommunications technologies unveiled included voice mail, the university's first television station, a website, several computer laboratories for faculty and students, and computers on every desk for faculty and staff.

In support of the expanded curricula, increased enrollment, and new technological offerings, the physical plant was strengthened in 1999 with the completion of the Fine Arts Complex, and in 2000 with the Information Technology Center and the Wellness Center addition to the R. L. Vaughan Center. In 2000-2001, ECSU began design of major capital projects using the $46.3 million secured from the statewide Higher Education Bond Referendum, resulting in completion of the Physical Education/Field House in 2003 and construction of a new Student Life Center and Residence Hall, as well as major renovations to existing buildings and enhancements to the campus infrastructure. Construction is also underway for additional student housing adjacent to campus resulting from a university-private partnership.

During Chancellor Burnim's tenure, external fund-raising has led to several new campus initiatives and programs. External funding and associated research has increased particularly in the areas of computer science, mathematics, biology, geology, technology, business, and teacher education. Several programs have evolved, including the NASA Network Resources and Training Site, the Center of Excellence in Remote Sensing Education and Research (CERSER), the Center for Entrepreneurship, and the RBC Centura Bank Resource Center, to name a few. Additionally, several new student scholarship programs have been established, including the Chancellor's Scholars, the Maynard Scholars for Teacher Education, and the Walter R. Davis Scholarship. Overall, sponsorships and grants have grown each year, now exceeding $7 million annually.

In 1997 and 2003, accreditation of the teacher education program was reaffirmed by the National Council for Accreditation of Teacher Education (NCATE). In 2001-2002, ECSU's university-wide accreditation was reaffirmed by the Southern Association of Colleges and Schools (SACS), including accreditation of the master's degree program in elementary education. Additionally, the Department of Technology received accreditation from the National Association of Industrial Technology (NAIT) in 2001 and 2003, and the ECSU Laboratory School received accreditation from the National Association for the Education of Young Children in 2002.

Looking beyond 2004, Chancellor Burnim will continue to focus on enrollment growth, qualitative improvements, and external fund-raising.

Enrollment management

Office of Admissions

- APPLICATION PROCESS
- ADVANCED PLACEMENT PROGRAM/ COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

Office of Student Financial Aid and Scholarship (OSFA)

- HOW TO APPLY FOR FINANCIAL AID
- SCHOLARSHIPS
- GRANTS
- LOANS
- REASONABLE ACADEMIC PROGRESS
- OVER AWARDS
- CANCELLATION OF FUNDS
- WITHDRAWAL POLICY

Division Of Enrollment Management

Enrollment Management is designed to formulate strategies and implement programs to provide optimal opportunities and academic services to enhance recruitment, enrollment, retention and graduation rates for all students planning to attend or currently attending Elizabeth City State University. Enrollment Management is able to succeed by:

- *getting students started right with pre-enrollment communications;*
- *communicating financial aid data and posting the same to students' accounts on a timely basis;*
- *developing, implementing, and coordinating comprehensive programs to increase the applicant pool; and*
- *providing academic administrators and faculty access to student data files to adequately monitor and advise students regarding their academic progress.*

OFFICE OF *Admissions*

Admission to Elizabeth City State University is granted to all applicants who meet the minimum admission requirement standards (MARS) or, effective fall 2004, the minimum course requirements (MCRS) of the University of North Carolina system. Equal consideration is given to all applicants, regardless of race, creed, national origin, or disabling conditions. The university reserves the right to bring closure to the admissions process when no further space is available. Official notification of admission eligibility will be sent to each applicant immediately after all credentials have been thoroughly evaluated.

It is recommended that high school students apply for admission to the university at the start of their senior year of high school. Closing dates for the submission of a completed application are listed below:

- Priority Fall Admission Deadline ..... May 1
- Fall Semester Admission Deadline ..... August 1
- Priority Spring Admission Deadline ..... November 1
- Spring Semester Admission Deadline ..... December 1
- Summer Session Admission Deadline ..... The First Day of Instruction
- Admission and application deadlines for Special Programs, Summer Sessions, Weekend/Evening Program and other Continuing Education courses and/or programs are announced through appropriate publications.

APPLICATION PROCESS

1. Application Forms may be obtained from the Guidance Office in your high school, community college, or by writing:

   The Office of Admissions
   Elizabeth City State University
   Campus Box 901
   Elizabeth City, North Carolina 27909
2. Applications must be accompanied by a nontransferable, nonrefundable $30 Application Fee, a current official transcript, and SAT or ACT test scores.
3. Transfer applicants must have forwarded to Elizabeth City State University an official transcript of all previous college work and an official high school transcript(s). Applications must list all colleges attended including date(s) of attendance.
4. After being accepted, each student is required to submit the College Health Form which includes health history and a recent physical examination, including a Serology Test. The completed Health Form, signed by a licensed physician, should be mailed to Student Health Services, Elizabeth City State University, Elizabeth City, North Carolina 27909. Students who do not submit properly completed Health Forms by the end of the first two weeks of the semester in which they matriculate will be subject to dismissal.

Elizabeth City State University admits students at the beginning of the Fall, Spring, and Summer terms. Failure to submit applications with complete and accurate information will result in the cancellation of registration and dismissal from the university.

EARLY ADMISSION PROGRAM

The Early Admission Program provides the opportunity for promising high school students to take college-level courses while enrolled in high school. To be eligible students must have completed their junior year, have a combined Scholastic Assessment Test (SAT) score of 1000 or higher, or an American College Testing (ACT) score of 21 or higher, and a cumulative grade point average of 3.0 or higher. The applicant must submit a formal application for admission and recommendations from counselors or the principal.

MINIMUM COURSE REQUIREMENTS

All applicants must meet the following minimum course requirements to be eligible for admission:

EFFECTIVE IN FALL 2004 AND FALL 2005

Six course units in **language**, including

- four units in **English** emphasizing grammar, composition, and literature, and
- two units of a **language other than English.**

Three course units of **mathematics**, in any of the following combinations:

- algebra I and II, and geometry,
- algebra I and II, and one unit beyond algebra II, or

-integrated math I, II, and III.

It is recommended that prospective students take a mathematics course unit in the twelfth grade.

Three course units in **science**, including

- at least one unit in a life or **biological science** (for example, biology),
- at least one unit in physical science (for example, physical science, chemistry, physics), and
- at least one **laboratory course**.

Two course units in social studies, including one unit in **U.S. History**, but an applicant who does not have the unit in U.S. History may be admitted on the condition that at least three semester hours in that subject will be passed by the end of the sophomore year.

EFFECTIVE IN FALL 2006

Six course units in **language**, including

- four units in **English** emphasizing grammar, composition, and literature, and
- two units of a **language other than English.**

Four course units of mathematics, in any of the following combinations:

- algebra I and II, geometry, and one unit beyond algebra II,
- algebra I and II, and two units beyond algebra II, or
- integrated math I, II, and III, and one unit beyond integrated math III.

(The fourth unit of math affects applicants to all institutions except the North Carolina School of the Arts.) It is recommended that prospective students take a mathematics course unit in the twelfth grade.

Three course units in **science**, including

- at least one unit in a life or **biological science** (for example, biology),
- at least one unit in **physical science** (for example, physical science, chemistry, physics), and
- at least one **laboratory course**.

Two course units in **social studies**, including one unit in **U.S. History**, but an applicant who does not have the unit in U.S. History may be admitted on the condition that at least three semester hours in that subject will be passed by the end of the sophomore year.

FRESHMAN STUDENTS

Applicants for admission who graduated from high school from June 1990 to June 2003 must meet the Minimum Admission Requirements (MARS) of The University of North Carolina. The specific requirements are as follows:

1. Graduation from an accredited secondary school (if the applicant did not graduate, a high school equivalency certificate is required).
2. Presentation of a satisfactory combination of high school grade point average and Scholastic Assessment Test (SAT) or American College Testing Program (ACT) score. A high school grade point average of 2.0 or above. Students must also pass the North Carolina Competency Examination or its equivalent in their state or country of origin.

An applicant who graduates from high school before completing the minimum admission require-

ments (MARs) must complete the requirements at a high school or community college before admission is considered. If the prospective student completes minimum admission requirements at a community college, he/she must enroll in courses that will specifically meet the core admission requirements of the university. If an applicant fails a course at the community college level before completion of core requirement(s), he/she must then meet the transfer requirements of completing a minimum of 24 acceptable transferable hours, and a 2.0 GPA.

ADMISSION: TRANSFER STUDENTS FOR ADVANCED STANDING

1. The Admissions Office will consider applications for students seeking to transfer from junior and/or community colleges, four-year colleges and universities accredited by their respective regional associations if the applicant has an overall GPA of 2.0 (C) or above and 24 transferable credit hours.
2. Transfer students who seek a degree must satisfy all entrance requirements. Each transfer applicant must provide official transcripts covering all college work attempted. College courses that have not been completed within the last seven years will not be accepted automatically for transfer credit. Acceptance of such courses for transfer credit will be at the discretion of the Department in which the equivalent course is offered.
3. The transcripts of each individual accepted for transfer will be evaluated in relation to the requirements of the specific academic program for which the student is accepted. Courses to be transferred must be equivalent to respective courses in degree programs of Elizabeth City State University. Credit will not be granted automatically for correspondence courses. In instances where courses from other colleges only partially fulfill general education requirements, students will be required to make up the shortage in credit hours in the same related (elective) courses.
4. Transfer applicants must present an overall grade point average of at least 2.0 (C). Course grades less than "C" will not be accepted for transfer credit.
5. Students who have been placed on academic probation at their institutions but who are eligible to return to that institution will be considered for admission with the same status at Elizabeth City State University. Students who have been dismissed or suspended for disciplinary reasons from their institutions will not be permitted to enroll at Elizabeth City State University.
6. Prospective students who have attended an accredited college but who have earned less than 24 semester hours of transferable credit must meet the freshman admission requirements. Also, the student must be eligible to return to the previous institution. Therefore, a transfer clearance form must be submitted by all applicants.

The classification of transfer students (freshman, sophomore, junior, or senior) is determined by the number of transfer credit hours accepted by Elizabeth City State University. The maximum transfer credit hours accepted from all two-year institutions attended are 65 semester hours, and no student who has attained junior status will be allowed to transfer credit for any college work completed after that time in a two-year institution without prior approval. Students attending a four-year institution prior to attending a two-year institution should consult the Office of Admissions regarding credits allowed. Although there is no limit on credit hours accepted from a four-year institution, a 30-hour residency is required to graduate from Elizabeth City State University.

All transfer students are required to complete the General Studies requirements or course work equivalent to those required in the General Basic Studies Program.

SPECIAL & TRANSIENT STUDENTS

(Not Applicable to Freshmen or Transfer Students)

1. Applicants who are mature and/or who may not meet admissions requirements but who have a satisfactory record of experience and education may be admitted to courses. Special students are admitted for one term only (space permitting) and must be readmitted at the beginning of each subsequent term. Such applicants may be required to present evidence of having earned a college degree or evidence of the need for a specific course.
2. Applicants who are regularly enrolled students at other institutions may be admitted as "tran-

sient" students provided the appropriate official at their institution authorizes their attendance at Elizabeth City State University, approves in advance the course work selected, indicates the individual is in good standing at that institution, and otherwise approves the transfer credits taken at Elizabeth City State University. At the end of one term of work transient students must transfer to Elizabeth City State University or withdraw from the university.

3. Special students who desire to become candidates for a degree at Elizabeth City State University must meet appropriate admission requirements.

READMISSION: REINSTATEMENT OF FORMER STUDENTS

Students with a break in their education studies of less than six (6) years are governed by the Catalog of initial enrollment to the university.

Students with a break in their education studies of more than six (6) years are governed by the Catalog year of readmittance to the university.

Students wishing to return to the university after voluntary or involuntary absence must apply for readmission, and complete one of the following processes:

Category A: Students who have had a break in their education studies of less than two (2) years with no additional college course work, since their last date of attendance at ECSU, should:

1) Report to the University Registrar's Office and
2) See an Academic Advisor to review course curriculum requirements.

Category B: Students who have had a break in their education studies of more than two (2) years and/or attended another institution since attending ECSU should:

1) Report to the Admissions Office;
2) Complete an application and pay a $30 application fee;
3) Evaluate all new course work, if needed; and
4) See an Academic Advisor to review course curriculum requirements.

Students seeking readmission should apply for financial aid at least 30 days prior to the start of the semester of enrollment. Students who do not apply for aid as stipulated will be required to pay the full cost of attendance at enrollment. A student can still apply for aid; however, his/her aid will not be available until after the enrollment period ends. Therefore, all tuition and fees must be paid at the time of enrollment.

Students with an outstanding account will not be readmitted until their balance is paid in full.

RESIDENCE STATUS FOR TUITION PURPOSES

The Admissions Office determines the residence status of all new and returning students for the purpose of paying tuition. Responses to the application for admission; if necessary, the North Carolina Residence and Tuition Status Application; and other evidence furnished by the students are used in making this determination. Students who fail to submit adequate information to establish a right to be classified as a resident of North Carolina will be classified as a non-resident.

It is the student's responsibility to verify his/her residency status before the payment of fees to the university. Students paying incorrect fees will be billed for the difference in the tuition rates.

Residence. To qualify as a resident for tuition purposes, a person must become a legal resident and remain a legal resident for at least 12 months immediately prior to classification. Thus, there is a distinction between legal residence and residence for tuition purposes. Furthermore, 12 months' legal residence means more than simple abode in North Carolina. In particular, it means maintaining a domicile (permanent home of indefinite duration) as opposed to "maintaining a mere temporary residence or abode incident to enrollment in an institution of higher education." The burden for establishing facts justifying classification as a resident entitled to in-state tuition rates is on the applicant, who must show his or her entitlement by the preponderance (the greater part) of the residentiary information.

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

Parents' Domicile. If an individual, irrespective of age, has living parent(s) or court-appointed guardians, the domicile of such parent(s) or guardian is, prima facie, the domicile of the individual; but this prima facie evidence of the individual's domicile may or may not be sustained by other information. Further, nondomiciliary status of par-

ents is not deemed prima facie evidence of the applicant's status if the applicant has lived (though not necessarily legally resided) in North Carolina for the five years preceding enrollment or reregistration.

Effect of Marriage. Marriage alone does not prevent a person from becoming or continuing to be a resident for tuition purposes, nor does marriage in any circumstance ensure that a person will become or continue to be a resident for tuition purposes. Marriage and the legal residence of one's spouse is relevant information in determining residentiary intent. For example, if both a husband and his wife are legal residents of North Carolina and if one of them has been a legal resident longer than the other, then the longer duration may be claimed by either spouse in meeting the 12-month requirement for in-state tuition status.

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

In addition, a separate North Carolina statute affords tuition rate benefits to certain military personnel and their dependents even though not qualifying for the in-state tuition rate by reason of 12 months' legal residence. Members of the armed services, while stationed and, concurrently, living in North Carolina, may be charged a tuition rate lower than the out-of-state tuition rate to the extent that the total of entitlements for applicable tuition costs available from the federal government, plus certain amounts based on a statutory formula for the in-state tuition rate, is a sum less than the out-of-state tuition rate for the pertinent enrollment. A dependent relative of a service member stationed in North Carolina is eligible for the in-state tuition rate while living in North Carolina with the service member if said dependent relative has met any requirement of the Selective Service System applicable to him/her. These tuition benefits may be enjoyed only if the applicable requirements for admission have been met; these benefits alone do not provide the basis for receiving those derivative benefits under the provisions of the residence classification statute reviewed elsewhere in this summary.

Grace Period. If a person (1) has been a bona fide legal resident, (2) has consequently been classified a resident for tuition purposes, and (3) has subsequently lost North Carolina legal residence while enrolled at a public institution of higher education, that person may continue to enjoy the in-state tuition rate for a grace period of 12 months measured from the date on which North Carolina legal residency was lost. If the 12 months end during an academic term for which the person is enrolled at a state institution of higher education, the grace period extends to the end of that term. The fact of marriage to one who continues domiciled outside North Carolina does not in itself cause loss of legal residency marking the beginning of the grace period.

Minors. Minors (persons under 18 years of age) usually have the domicile of their parents, but certain special cases are recognized by the residence classification statute in determining residence for tuition purposes.

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

(b) If a minor has lived for five or more consecutive years with relatives (other than parents) who are domiciled in North Carolina and if the relatives have functioned during this time as if they were personal guardians, the minor will be deemed a resident for tuition purposes for an enrolled term commencing immediately after at least five years in which these circumstances have existed. If under this consideration a minor is deemed to be a resident for tuition purposes immediately prior to his or her 18th birthday, that person on achieving majority will be deemed a legal resident of North Carolina of at least 12 months' duration. This provision acts to confer in-state tuition status even in the face of other provisions of law to the contrary; however, a person deemed a resident of 12 months' duration pursuant to this provision continues to

be a legal resident of the state only so long as he or she does not abandon North Carolina domicile.

Regained Domicile. If a student ceases enrollment at or graduates from an institution of higher education while classified a resident for tuition purposes and then both abandons and reacquires North Carolina domicile within a 12-month period, that person, if he or she continues to maintain the reacquired domicile into re-enrollment at an institution of higher education, may reenroll at the in-state tuition rate without having to meet the usual 12-month durational requirement. However, any one person may receive the benefit of the provision only once.

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

Transfer Students. When a student transfers from one North Carolina public institution of higher education to another, he or she is treated as a new student by the institution to which he or she is transferring and must be assigned an initial residence status classification for tuition purposes.

FOREIGN STUDENTS

Applicants from non-English-speaking nations must provide evidence of proficiency in the English language with their application for admission to Elizabeth City State University. Scores on the test of English as a Foreign Language (TOEFL) or the Michigan Test are required as are SAT/ACT scores; no application for admission is complete without such scores, and no Form I-20 will be authorized without them. For students born in non-English-speaking nations but educated in senior high schools in the United States, scores on the SAT or ACT can substitute for scores on the TOEFL or the Michigan Test. Each student must submit official proof of financial support and an English translation of all transcripts. It is preferred that all documents be sent to the Admissions Office six months prior to the date of entry.

ADVANCED PLACEMENT PROGRAM/COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

Elizabeth City State University participates in the Advanced Placement Program and the College Level Examination Program (CLEP) of the College Entrance Examination Board. Students who have demonstrated their achievement of specific Advanced Placement Tests or College Level Examination Program—subject exams only—may have the results submitted to the university for consideration with regard to placement in advanced courses and for college credit. All students are encouraged to take these tests, and may qualify for advanced placement and credit by taking departmental tests in their area of extensive specialization. Based upon these test results, the amount and nature of the credit granted is determined by the Admissions Committee and the pertinent Department of instruction. For further information, please request a copy of the Advanced Placement Program at Elizabeth City State University.

COURSE AUDITS

1. Students enrolled at the university or students admitted with satisfactory records of experience and education may enroll for specific courses as auditors.
2. Students who audit courses must register in the University Registrar's Office, pay regular fees, be regular in attendance, but will not receive grades or credit. Please refer to the Rules for Auditing Courses in this Catalog, page 65.

Programs

The Financial Aid Programs at Elizabeth City State University are designed to assist students and their parents in financing the cost of the student's education. Students who are enrolled or accepted for enrollment and are citizens or permanent residents of the United States are eligible to apply for financial aid. Assistance available to eligible students consists of grants, loans, scholarships, and part-time employment. Limited assistance is available for foreign students.

HOW TO APPLY FOR FINANCIAL AID

All students must complete and have processed a Free Application for Federal Student Aid (FAFSA), every year before we can offer financial aid. Students must also list our school code 002926, on the FAFSA via paper or Web (www.FAFSA.ed.gov) in order for us to obtain their financial aid data. Students who complete the application process by March 15th will be considered first for priority funding. Certain grants and scholarships may not be available to students who apply after that date, as funds in these programs are limited.

All interested students who wish to receive any kind of financial aid at ECSU must complete the above described application process. Deadline dates for having a complete application on file are June 1 (Academic Year), November 1 (Spring Semester), April 1 (Summer).

Should you have Financial Aid questions, please call:

(252) 335-3283 or 1-800-529-8146.

SCHOLARSHIPS
UNC CAMPUS SCHOLARSHIPS

Effective July 1, 2003, the General Assembly of North Carolina in enacting Senate Bill 1115 requires that all funds in the continuation budget for the Incentive Scholarship Program, Minority Presence Grants, Minority Presence Grants II, Incentive Scholarship Program for Native Americans, and the Legislative College Opportunity Program be combined into one scholarship fund to be known as the "UNC Campus Scholarhips."

ECSU'S ELIGIBILITY REQUIREMENTS FOR *UNC CAMPUS SCHOLARSHIPS*

I. Entrance Eligibility (Freshmen)

To be eligible for ECSU's *UNC Campus Scholarships* as an entering freshman, a North Carolina resident student must meet the following minimum requirements:

1. be a graduate of a high school in North Carolina; be a North Carolina resident;
2. final cumulative high school grade point average not less than 2.50;
3. composite SAT score not less than 800; ACT score not less than 18;
4. apply for federal aid by completing and submitting the Free Application for Federal Student Aid (FAFSA) by the required date;
5. earn 15 semester credit hours each regular semester (a minimum of 30 credit hours each academic year);
6. agree to participate in the University's academic improvement effort, the First Year Experience, which will include an assessment of the students' general education background and readiness for upper division work;
7. exhibit high moral and ethical standards in personal and scholastic behavior as outlined by ECSU's student handbook and Catalogue;

II. Value of Scholarship

1. special appropriated *UNC Campus Scholarships* have a maximum value of $3,800 per recipient per academic year and will be used after all other need-based funds for which a student is also eligible have been included in the student's financial aid package;
2. the total award under the program shall carry up to a maximum value equal to the cost of tuition, fees, room and board, and books;
3. a freshman student can receive the UNC Campus Scholarship for eight (8) semesters.

III. Continuing Eligibility

Continuing eligibility for the UNC Campus Scholarship will be honored by meeting an academic year grade point average or a cumulative grade point average on the following scale:

1. **by the end of the freshman year:** cumulative 2.50 or higher and a minimum of 30 credit hours earned;
2. **by the end of the sophomore year:** cumulative 2.75 or higher or an academic year 2.75 or higher and a minimum of 60 credit hours earned;
3. **by the end of the junior year:** cumulative 3.00 or higher or an academic year
4. grade point average of 3.00 or higher and a minimum of 90 credit hours earned;
5. **by the end of the senior year:** cumulative 3.00 or higher or an academic year grade point average of 3.00 or higher and a minimum of 120 credit hours earned.

IV. Entrance Eligibility (Transfer Students)

To be eligible for ECSU's *UNC Campus Scholarships* as a **transfer student**, a North Carolina resident student must meet the following minimum requirements:

1. be a graduate of a community or junior college in North Carolina; be a North Carolina resident;
2. possess the Associate of Arts (AA), the Associate of Science (AS), the Associate of Fine Arts (AFA), or a certificate in a program that articulates directly with an academic degree program offered by Elizabeth City State University;
3. have a cumulative grade point average not less than 2.50;
4. apply for federal aid by completing and submitting the Free Application for Federal Student Aid (FAFSA) by the required date;
5. earn 15 semester credit hours each regular semester (a minimum of 30 credit hours each academic year);
6. exhibit high moral and ethical standards in personal and scholastic behavior as outlined by ECSU's student handbook and Catalogue;

V. Value of Scholarship

1. special appropriated *UNC Campus Scholarships* have a maximum value of $3,800 per recipient per academic year and will be used after all other need-based funds for which a student is also eligible have been included in the student's financial aid package;
2. the total award under the program shall carry up to a maximum value equal to the cost of tuition, fees, room and board, and books;
3. a transfer student can receive the UNC Campus Scholarship for four (4) semesters.

VI. Continuing Eligibility

Continuing eligibility for the UNC Campus Scholarship will be honored by meeting an academic year grade point average or a cumulative grade point average on the following scale:

1. **by the end of the junior year:** an academic year grade point average of 3.00 or higher and a minimum of 30 credit hours earned at ECSU;
2. **by the end of the senior year:** cumulative 3.00 or higher or and a minimum of 60 credit hours earned at ECSU.

SPECIAL NOTE: There is a one (1) time reinstatement policy. Since emergencies or other events may occur beyond the student's control that will force him/her to leave ECSU, the student must submit a written letter requesting reinstatement. As long as the student was making academic and credit hour progress as prescribed in the requirements and funds are available, the student may be reinstated.

For a listing of scholarships, visit website: www.CFNC.ORG, paying for college scholarships and grants.

NORTH CAROLINA SHERIFFS' ASSOCIATION UNDERGRADUATE CRIMINAL JUSTICE SCHOLARSHIP – A Criminal Justice Scholarship will be awarded annually to a North Carolina resident undergraduate who is majoring in criminal justice. Recipients are chosen by the Financial Aid Office on the basis of academic standing and financial need. First preference is given to a son or daughter of any law enforcement officer killed in the line of duty. Second preference is given to a son or daughter of any sheriff or deputy sheriff who is deceased, retired (regular or disability), or is currently active in North Carolina law enforcement. Third preference is given to any criminal justice student meeting the academic and financial need criteria. Awards are nonrenewable and the stipend may vary annually.

DR. A.P. AND FRANCES DICKSON SCHOLARSHIP – A Dickson Scholarship is awarded annually to a full-time undergraduate student who currently resides in Hoke County, North Carolina. Recipients are chosen by the Financial Aid Office on the basis of academic standing and financial need. Awards are nonrenewable and vary in amount according to income available from the Trust.

JAMES LEE LOVE SCHOLARSHIP – A James Lee Love Scholarship is awarded annually to a full-time

North Carolina resident undergraduate student. Recipients are chosen by the Financial Aid Office on the basis of academic standing and financial need. Awards are nonrenewable and vary in amount according to income available from the Trust.

THURGOOD MARSHALL SCHOLARSHIP — Each year, the Thurgood Marshall Scholarship Fund provides ECSU with a $4,200.00 scholarship to be awarded to an entering freshman. To be considered for this scholarship, an applicant must be a U.S. citizen; be a full-time student pursuing a bachelor's degree in any discipline and maintain full-time status for the duration of the scholarship; have a high school grade point average of not less than 3.0 on a 4.0 scale; have a combined score of 1100 or more on the SAT or a score of 24 or more on the ACT; and have a letter of recommendation from a high school principal, counselor, teacher, or community service organization. This scholarship is renewable for up to a total of four (4) years, provided the recipient maintains a GPA of 3.0 each year.

GRANTS

FEDERAL PELL GRANT PROGRAM is available to eligible applicants who have not previously received a bachelor's degree; are U.S. citizens or permanent residents; and are enrolled in an eligible program. The Pell award forms the base for a financial aid package. Therefore, students must apply for the Pell Grant and have their eligibility determined before other financial aid awards are made.

FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT (FSEOG) is available to students who demonstrate exceptional financial need. Students who qualify for Pell Grants are given priority for SEOG awards. FAFSA deadline is March 15th.

NORTH CAROLINA STUDENT INCENTIVE GRANT (NCSIG) PROGRAM is administered by College Foundation, Inc., Raleigh, North Carolina, and is available to legal residents of North Carolina who are enrolled full-time. These recipients must be making satisfactory academic progress and have substantial financial need. Awards up to $700.00 are offered to students who have applied for the Pell Grant. College Foundation, Inc. determines a student's eligibility on a first applied/most needed basis. Federal Financial Aid application information is used to determine eligibility. The application deadline is March 15th.

APPROPRIATED GRANT is available to North Carolina residents whose calculated need has not been met by federal need-based assistance. The amount of these awards is determined by the Director of Financial Aid during the award process.

VOCATIONAL REHABILITATION GRANTS – Students with any type of impairment/disability (speech, hearing, sight, asthma, rheumatic heart, missing limbs, crippling disabilities, etc.) may contact their local Vocational Rehabilitation Center for counseling, evaluation, and determination of their eligibility for this program.

VETERANS & WAR ORPHANS GRANTS – To determine the unpaid balance. Depending on the size of the loan, borrowers may have up to ten (10) years to repay. Cancellation and postponement provisions are available for full-time teaching in designated areas, for law enforcement careers, and for military service. (Refer to the Federal "Student Guide" for more details.)

LOANS

THE FEDERAL PERKINS LOAN (FORMERLY NDSL) PROGRAM is available to students who are identified as having exceptional need and are enrolled in an eligible program. Repayment must begin nine (9) months after graduation or withdrawal from school. An interest rate of five percent (5%) per year is charged on the unpaid balance. Depending on the size of the loan, borrowers may have up to ten (10) years to repay. Cancellation and postponement provisions are available for full-time teaching in designated areas, for law enforcement careers, and for military service. (Refer to the Federal "Student Guide" for more details.)

DIRECT STUDENT LOANS

Types of Direct Loans:

- **Federal Direct Subsidized Loans**

  The federal government pays the interest on these loans while you are in school and during deferments. You must show financial need to receive this loan.

Loan Limit	$2,625.00
***Interest Rate**	Variable, but capped at 8.25%
***Origination Fee**	3% of the loan principal will be deducted from each loan disbursement

- **Federal Unsubsidized Loans**

  The federal government does not pay the interest while you are in school or during deferment for this loan. You can receive this loan regardless of financial need up to the established limits.

Loan Limit	$2,625.00 and/or $4,000 (if PLUS is denied or the student is independent.
***Interest Rate**	Variable, but capped at 8.25%
***Origination Fee**	3% of the loan principal will be deducted from each loan disbursement.

- **Federal Direct PLUS Loans**

  This program allows credit-worthy parents to borrow money for the student. The parent is responsible for the repayment of this loan. The initial payment starts approximately sixty days after the loan has been fully disbursed to the student's account.

Loan Limit	Cost of Attendance minus any other financial aid the student may have been awarded.
***Interest Rate**	Variable, but capped at 9%
***Origination Fee**	4% of the loan principal will be deducted from each loan disbursement.

**Subject to change by the Department of Education (DOE).*
**ECSU is a Direct Lending Institution and only certify William D. Ford Loans.*

THE MASTER PROMISSORY NOTE (MPN): As a part of the student loan process, you will need to complete a Master Promissory Note. Usually one MPN will be required for your Direct Subsidized and Direct Unsubsidized Loan. A separate promissory note will be required for the Parents (PLUS) Loan. These Master Promissory notes can be completed electronically by using the U.S. Dept. of Education issued (FAFSA) PIN at website: https://lo-online.ed.gov/empn/unsecure/index.jsp.

ENTRANCE & EXIT INTERVIEWS: Regulations require that all first-time borrowers attend an Entrance Interview Session prior to the loan proceeds being credited to the student's account. Exit Interview Sessions are also required for all loan borrowers before a student graduates or leaves ECSU. To complete on-line go to https://www.dlssonline.com

WORK STUDY

THE FEDERAL COLLEGE WORK-STUDY PROGRAM provides campus jobs for students who have been awarded work-study as a part of their financial aid package. Students currently earn $6.00 to $10.00 per hour for work performed under this program.

ALL OF THE PROGRAMS DESCRIBED HEREIN ARE SUBJECT TO CONTINUED LEGISLATIVE APPROVAL AND/OR CHANGE.

SATISFACTORY ACADEMIC PROGRESS POLICY AND PROCEDURES

A student must maintain Satisfactory Academic Progress (SAP) in order to receive financial assistance at ECSU. This includes eligibility for financial aid from federal, state, and institutional programs. ECSU uses a graduated cumulative grade point average (GPA) as its qualitative measure and cumulative credit hours earned for the student's year in college as its quantitative measure.

ECSU uses the semester as the increment for measuring satisfactory academic progress. In order to allow students to complete a **4-year program** within the **maximum time frame of 5 years,** ECSU requires full-time students to complete 80% of the work attempted by the end of each increment. No undergraduate student will be eligible to receive financial assistance for more than ten (10) semesters or 125% of the credits necessary to complete their degree. The qualitative and quantitative standards used to judge academic progress include all periods of the student's enrollment; even periods in which the student did not receive financial aid funds. Transfer credit hours are counted as well, so that transfer students are not given more time than other students to complete the program. The table below outlines the university's expectation for full-time students receiving financial aid.

Student Year in College	Minimum Cumulative GPA	Minimum Cumulative Hours Earned
1st Academic Year	1.45	24
2nd Academic Year	1.60	48
3rd Academic Year	1.75	72
4th Academic Year	2.00	96

Other Elements:
If an undergraduate student does not complete a course (incomplete), withdraws, repeats a course, or takes a non-credit remedial course, the sum of the credits of other courses must meet the qualitative and quantitative standards stated above.

Part-time Undergraduate Students:
Undergraduate students who attend part-time may receive part-time financial aid if they maintain the minimum GPA and earn 80% of attempted hours. Exceptions are granted only due to special circumstances approved in advance by the Financial Aid Appeals committee and/or the Director of Financial Aid.

Graduate Students:
Graduate students are not eligible for federal and state grants, but may qualify for federal loans. Graduate students must earn 9 credit hours and a GPA of 3.0 each term while receiving financial aid. Failure to maintain the minimum requirements for one term will result in warning. A second failure will result in termination of financial aid eligibility.

Review Procedures:
SAO reviews will be routinely completed by the Office of Student Financial Aid to determine eligibility at the end of each semester. The student is responsible for ensuring that the grade point average and hours-earned data submitted by the Office of the University Registrar are accurate and complete.

Students who do not meet the satisfactory academic progress requirements during a review at the end of the semester will receive a written notice of **warning**. If during the second review at the end of the subsequent semester, the student fails to maintain the required standard, a **termination** notice will be sent to the student's home address and/or the student's ECSU email address. The termination notice informs the student that they are not eligible for financial assistance for the next semester. The student will be responsible for any and all charges incurred at the university after termination.

Mitigating Circumstances:
The satisfactory academic progress policy can be set aside if the Director of Student Financial Aid and/or financial Aid Appeals Committee determines that an unusual situation affected the student's progress. If the student becomes very ill or is severely injured during a term, and the student can't attend classes for a month or more, then the courses for the term aren't taken into account when determining whether the student is making satisfactory academic progress. The student is required to submit documentation from a doctor or other health care provider stating that the student's illness/injury prevented him or her from attending school for at least one month. Another mitigating circumstance is when a student's relative dies. In this case, the student is required to submit a copy of the relative's death certificate.

Satisfactory Academic Progress
Right of Appeal Procedure:
Any student, who fails to meet SAP, may submit a written appeal for reinstatement of financial aid eligibility to the Financial Aid Appeal Committee. The appeal must include the items described below:

1. Identifying information including your full name, social security number, current address, phone number and e-mail address (if applicable).
2. A written letter of appeal from the student explaining the circumstances that led to their SAP violation and why those mitigating circumstances are no longer affecting their academic performance. The letter must include:
   a. A detailed explanation of circumstances for each semester a violation of the SAP policy occurred.
   b. A resolution or plan of action explaining how the student will ensure future academic success.
3. A copy of the student's unofficial academic transcript.
4. A statement from the student's academic adviser and the Career Counseling Center should be provided if the student has been consulting with an advisor to improve their academic standing. The advisor should provide their opinion of the student's ability to improve their academic performance in the upcoming semester, and the number of credit hours in which the student has been advised to enroll during upcoming semester.
5. A statement from the student's academic adviser is required for all 10 semester or 125% rate violators. For all students who have attempted more than 125% of the credits necessary to complete their degree, the advisor must outline all remaining courses required for the student's degree program and the expected semester of completion.
6. Documentation of illness or medical condition is required when failing SAP is due to a medical

condition (including physical and mental illness, substance abuse, etc.):

a. The letter must include the dates that the medical condition occurred. The dates must coincide with the period that the student failed SAP.
b. The student must provide a letter from the attending physician(s) on official stationery documenting that the problem is no longer an influencing factor for the student's future academic performance.

Appeals will be done on a semester basis. The Financial Aid Appeals Committee must receive the written appeal request by June 1st for the fall semester and by December 31st for the spring semester. The Financial Aid Appeals Committee will issue a recommendation to the Director of Student Financial Aid who will make a final decision. **Students granted an appeal would not be eligible to receive financial assistance for more than 150% of the credits necessary to complete their degree.** A written notice will be sent to the student's home address prior to registration. Students that have been terminated for financial aid should make plans for alternative financing during the upcoming term (prior to the official registration date) *in case appeal is not approved.*

Probationary Period:
If the Financial Aid Appeals Committee approves the appeal, the student will be placed on **probation**. During probation, students

- May be awarded up to direct costs only.
- Will no longer be eligible for priority financial aid funds, including Federal College Work Study, Supplemental Education Opportunity Grant and Appropriated Grant.
- Must seek academic counseling.
- Must meet the qualitative and quantitative standards set forth in this policy to re-establish satisfactory academic progress.

Re-Establishing Satisfactory Academic Progress:
Students may also re-establish satisfactory academic progress by either of the following methods:

1. Attend summer sessions at his/her own expense and improve hours and/or semester grade point average to meet the required standards, or
2. Attend subsequent semester at his/her own expense and improve hours and/or semester grade point average to meet the required standards.

Note: Students may not re-establish satisfactory academic progress by simply not enrolling for one or more academic terms.

Students who comply with either method should submit to the Office of Student Financial Aid a written request (including a transmittal or letter from the University Registrar's Office indicating satisfactory progress) asking that their eligibility for financial aid be reinstated.

Students who have attempted 150% will not be eligible for re-instatement of aid.

Other Requirements:
Students on **academic suspension** will **not** be awarded **Federal, State, and/or University aid.** If the student is on academic suspension, they must have a successful appeal with the **Academic Appeals Committee** before appealing to the Office of Student Financial Aid. Dropping, withdrawing and/or attending for a semester(s) does not entitle re-instatement of aid. All students must meet SAP requirements upon readmittance to ECSU to receive financial aid.

WITHDRAWAL POLICY (TREATMENT OF TITLE IV FUNDS WHEN A STUDENT WITHDRAWS)

Financial aid is awarded to a student under the assumption the student will complete the entire period for which the aid was awarded. If a student withdraws before the 60% (as measured in calendar days) of the semester, the student may no longer be eligible for the full disbursement of Title IV aid and other financial aid awarded.

A student should report to the Office of Student Financial Aid and Scholarships to review the calculations of the student unearned aid due by the school and the unearned aid due by the student to the Department of Education or other agencies. Elizabeth City State University will attempt to notify the student no later than 30 days from the official withdrawal date to return its share of the student's unearned aid and the student had 45 days from the notification date to return that portion.

An entrance and exit interview is required for students that have received loans.

A student that has not completed the verification process as of the withdrawal date, will be ineligible to receive any financial aid credit to their account.

Additional Title IV funds will end if the student fails to repay his portion of unearned Title IV funds within the proper time frame.

For further questions, please call for the Return of Title IV coordinator at 335-3557.

Student affairs

Counseling and Testing Services

Career Services

Student Life

- RESIDENCE LIFE
- OFF-CAMPUS HOUSING
- RESIDENCE LIFE PROPERTY DAMAGE POLICY
- CO-ED VISITATION POLICY
- CODE OF CONDUCT
- ILLEGAL DRUG POLICY
- SEXUAL HARASSMENT
- FOOD SERVICES
- STUDENT HEALTH SERVICES
- STUDENT ACTIVITIES

Division Of Student Affairs

The Division of Student Affairs is organized and administered by the Vice Chancellor for Student Affairs to augment, strengthen, and support the university's commitment to the total development of its students. The Division includes the Offices of Career Services; Counseling and Testing Services; Student Health Services; Student Life; Judicial Affairs; and Residence Life.

Student Affairs assists with the adjustment of students to both the academic and non-academic environments of the campus. The main focus is on creating and promoting an environment in which students can develop into mature, well-rounded citizens, who are self-disciplined and aware of the lifelong process of education.

Student Affairs' programs are designed to promote student initiative, responsibility, and rights to a quality education as well as well-rounded personal and social development. The programs also strive to provide opportunities for leadership and to promote a climate conducive to intellectual stimulation and growth that builds character, integrity, and fosters excellence and respect for diversity in a global society. Special services for those students who have academic and non-academic difficulties (through guidance and counseling by trained, experienced personnel) are also provided.

COUNSELING & *Testing Services*

Counseling Services

The university Counseling Center provides professional and peer counseling services to students. Counseling services are designed to help students with their adjustment to a college environment. Counselors provide personal, social, career and spiritual counseling. A clinical psychologist is also available for assessments and brief therapy appointments. A series of self-development workshops are offered during the fall and spring semesters.

New Student Orientation

The Counseling Center coordinates the New Student Orientation program (NSO) for new freshmen and transfer students. NSO introduces new students to university programs and services, and provides an opportunity for new students to interact with staff, faculty and administrators. During NSO, new students also receive academic advisement and register for classes. All new students are required to attend an orientation program prior to enrolling in the Fall or Spring semester. NSO is offered during the months of June, July, August, and January.

Peer Mentors

VANS (Vikings Assisting New Students) is a group of student peer mentors who work with new freshmen and transfer students during the New Student Orientation program. Members serve as peer educators, tour guides, and discussion leaders in Counseling Center activities. VANS receive training to become peer educators through the BACCHUS and GAMMA Peer Education network, a national organization designed to support peer education on college campuses. Interested students must have a 2.5 GPA and complete an application process in November.

Testing Services

The Counseling Center coordinates and administers national, local, and specialty tests to students, staff, and non-affiliated off-campus individuals and groups. The university is a national test site for Educational Testing Services in Princeton, New Jersey. The Center also provides interest testing through the use of DISCOVER software.

CAREER *Services*

The Office of Career Services, located in the H.L. Trigg Building, aides students at various stages of their career with decision-making, exploration, and the job search process. A variety of programs and services exists to assist students in defining their career objectives and finding out about the current job market while learning how to conduct a job search for employment.

In addition to the career decision and exploration services, Career Services provides extensive assistance with workshops on interviewing, résumé writing, and business etiquette.

The Office of Career Services disseminates information concerning available internships, jobs and handles all arrangements when employers visit the campus to interview students. On-campus recruiting is scheduled through this office during the Fall and Spring semesters. Students can also make valuable employment contacts at the Annual Career Fair, the Graduate & Professional School Day, and the Annual Teacher Job Fair. Alumni may also receive career assistance through Career Services on employment vacancy listings.

Career Resources, a wealth of career information, is available in the Career Services Library. Printed information on employment trends, future outlooks, company literature, and school system applications as well as audio visual materials are available for all students and alumni to review.

INTERNSHIP PROGRAMS

A program in which students gain valuable work experience in a wide variety of fields, internships can be paid or non-paid. Internships can offer innovative ways to career success for students working with the latest technology in their field of study.

COOPERATIVE EDUCATION

This program offers students the opportunity to combine academics with on-the-job training in business, industry, or government agencies. After the sophomore year, students can alternate semesters between work and school. All Cooperative Education positions are paid.

CAREER SERVICES TECHNOLOGY

e-Recruiting Place software is a web-based program that allows students to:

- Register with Career Services from residence halls, home, etc.;
- Review job opportunities; and
- Develop résumés on line.

Services Provided Include:

- Career Counseling
- On Campus Recruiting
- Career Fairs
- Graduate and Professional School Information
- Workshops (Resume Writing, Interviewing Techniques, etc.)

STUDENT *Life*

RESIDENCE LIFE

Elizabeth City State University offers residential living to students that are admitted and enrolled at the university. The residential living areas are comprised of 6 traditional residence halls, one apartment style complex and one suite style residence hall. Two new residence halls are scheduled to open in August 2004; one suite style 200-bed residence hall and one 350-bed privatized apartment complex. Two traditional residence halls are scheduled to close in the fall of 2004 for renovation.

The university reserves the right to approve campus housing assignments; to transfer students from one residence hall to another; or to require that any student that it considers an undesirable tenant vacate a residence hall or any property under the jurisdiction of Residence Life.

Each university student is required to maintain an up-to-date local address in the Office of Student Affairs and in the University Registrar's Office. All housing policies and regulations established with regard to standards of health, safety, and general welfare of students in residence halls are executed through the Office of the Director of Residence Life.

Each residence hall is staffed by a team of Residence Hall Administrators, Resident Assistants, and Residence Security Officers. Via residence organizations, students are urged to participate, together

with administrators and staff, in planning residence hall programs (related activities). Student representatives are also encouraged to assist in developing standards of conduct, determining social regulations, and creating a wholesome atmosphere for study and group living.

A student accepting an assignment in any university residence hall at the beginning of a semester is responsible for the payment of room and board for the entire semester. A student admitted to a residence hall after a semester begins is responsible for paying board fees on a prorated basis.

Admittance to the residence halls is allowed only to students officially admitted to the university by the Director of Admissions. Any student officially admitted who has paid the required fees may report for occupancy on arrival dates as designated on the academic calendar. Residence halls are officially closed during Christmas holidays, vacation periods, and between semesters.

Students may request an early check-in or late checkout if the university's official opening and closing schedule creates an unusual hardship. Requests for permission for early check-in or late checkout must be made in writing to the Director of Housing and Residence Life at least two weeks in advance. If permission is granted, students requiring short-term housing will be charged a non-refundable fee of $25.00 per day. Students are strongly urged to make travel arrangements in advance.

In accordance with the Residence Hall Housing Agreement, occupancy is limited to accepted and full time enrolled students only. The University welcomes and respects students who may also be parents, however, from a safety standpoint, the residence halls are not appropriate places for young children. For this reason, infants and young children are only permitted in the lobby areas of the residence halls. School age children may visit residence hall rooms, but must be accompanied by an adult guardian or the resident student. All overnight guests must be at least 15 years old and must follow the University guidelines permitting only members of the same sex to overnight visits in the residence halls.

Students are responsible for providing their own bed linens, rugs, curtains, lamps, and other items according to their personal taste. Each student is expected to observe residence hall regulations and to take care of the furnishings in the room.

No major electrical equipment is allowed in student rooms - i.e. cooking appliances, air conditioning units. Small electrical equipment such as lamps, radios, stereos, sewing machines, hair dryers, and electric razors are permitted. Attachments should not be placed on room walls, ceilings, or windows without official approval.

Under no condition are students permitted to keep pets, firearms, or weapons of any kind in residence hall rooms or on university property. The university reserves the right to inspect all rooms in residence halls on a regular basis.

The university does not assume responsibility for fire, theft, mutilation, or destruction of any student's or faculty/staff member's personal property, whether these losses occur by an act of nature or otherwise. All members of the university community, including students and staff, are urged to secure appropriate, individual, personal property insurance.

Any campus residence student who forfeits or violates his/her right to reside in a residence hall, who is suspended for academic or disciplinary reasons, or who withdraws from the university for other reasons, must vacate the residence halls immediately.

OFF-CAMPUS HOUSING

The Director of Residence Life assists students in locating off-campus housing whenever possible. Although many Elizabeth City State University students are housed in residence halls, a limited referral service for available houses, trailers, apartments, and rooms in private homes is furnished.

RESIDENCE LIFE PROPERTY DAMAGE POLICY

All students who live in university residence halls are bound by the terms and conditions set forth under this Damage Policy. By accepting occupancy in a residence hall at Elizabeth City State University, students are agreeing to this policy. Acceptance is defined as receiving a residence hall room key and signature on the appropriate residence hall contracts and forms. This policy applies to all students who are occupying campus housing during the period when damages occur.

The university will assess damage charges for unauthorized use of and damages or alterations to residence halls, including rooms, floors, suites, and common areas. Charges will be rendered for any damages that are not the result of normal wear. When the responsible party or parties allegedly responsible for damages are identified and the evidence is substantiated, charges will be assessed

against the responsible party or parties. If the responsible party or parties are not identified, all residents of either the hall, a floor, a room, or a suite will be held accountable for equal portions of the total damages that occur within the area, as well as damages that occur in common area(s).

CO-EDUCATIONAL VISITATION POLICY

Student occupants of residence halls (with the exception of the freshman class) may choose to entertain guests of the opposite gender in their individual rooms. The university shall allow the students to make this choice by the establishment of rules, regulations, and procedures. This privilege of Co-Educational Visitation will always be exercised in a manner that will not interfere with the rights of other students to personal privacy, opportunity for study or reflection, and personal security. The rules, regulations, and procedures for Co-Educational Visitation shall address, but will not be limited to, the following issues: days and hours when such visits are permitted; registration of guests; the availability and necessity of personnel to monitor visitation rules, regulations, and procedures; and negotiations between roommates to establish restrictions on such visits. Students who do not want to participate will notify the Office of Residence Life and their Residence Hall Administrator in writing.

CODE OF CONDUCT

Certain fundamental concepts are recognized as forming the basis for standards of conduct developed as a result of the university's educational and other obligations.

The filing of an application for admission shall be construed as both evidence and pledge that the applicant accepts the standards and regulations of Elizabeth City State University and agrees to abide by them. Each student, by the act of registering, obligates himself/herself to obey all rules and regulations of the university as stated in the *Student Handbook, the University Catalog, Students' Rights and Responsibilities, Policies and Procedures Manual,* and other university publications.

ILLEGAL DRUG POLICY

Elizabeth City State University has the responsibility to nurture and protect its environment. The Board of Trustees of the university has committed itself to the proposition that students, faculty, and staff should be able to engage in the scholarly pursuits of teaching, learning, discourse, and research free from illegal drug use.

Education Programs and Activities

Elizabeth City State University's drug education programs and activities involve the following:

1. Conducting anonymous surveys of students, faculty, and staff to identify the extent of the drug problem;
2. Establishing mandatory seminars on substance abuse for faculty, staff, and students;
3. Conducting Drug Awareness Week activities with print and electronic media advertising;
4. Developing creative outreach programs for the university that utilize community resources;
5. Initiating contacts for academic linkages with Departments to address substance abuse in appropriate health and physical education courses;
6. Generating a greater public awareness of substance abuse through special events such as film fairs, sporting events, campus extravaganzas, panel discussions, etc.;
7. Publishing and distributing fact sheets and other printed literature on substance abuse; and
8. Conducting faculty and staff wellness activities.

Counseling and Referrals

It will be the responsibility of every student, staff, and faculty member to help in the maintenance of a drug-free campus. The ECSU Counseling Center makes referrals to the appropriate local or state agencies. All individuals are afforded the right of confidentiality in all contacts consistent with local, state, and federal laws, and the general welfare of ECSU, its students, faculty, and staff.

Enforcement and Penalties

Elizabeth City State University will take all necessary actions, in accordance with local, state, and federal law, and applicable university rules and regulations, to eliminate illegal drugs from the campus community.

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.

Penalties will be imposed by the university in accordance with procedural safeguards applicable to disciplinary actions against students, faculty members, and other employees, as required by the *ECSU Student Handbook,* by Section 4 of the *ECSU Tenure Policy and Regulations,* by Section 5 of the *North Carolina Personnel Manual,* and by university policies applicable to other employees exempt from the State Personnel Act.

Reporting Requirement

At the end of each school year, the Chancellor shall submit to the Board of Trustees a report on campus activities related to illegal drugs for the preceding year. The report shall include, as a minimum, the following:

1. A listing of the major educational activities conducted during the year;
2. A report of any illegal, drug-related incidents, including any sanctions imposed;
3. An assessment by the Chancellor of the effectiveness of the campus program; and
4. Any proposed changes in the policy on illegal drugs.

A copy of the report shall be provided to the UNC President, who shall confer with the Chancellor about the effectiveness of campus programs.

SEXUAL HARASSMENT

Elizabeth City State University neither condones nor approves of sexual harassment on the part of students, faculty, or staff within the university community. Sexual harassment constitutes unlawful discrimination on the basis of sex and violates state and federal law as well as university policy.

Unwelcome sexual advances, requests for sexual favors, and/or verbal or physical conduct of a sexual nature by anyone in an official university position, a student, or university employee constitutes sexual harassment when:

1. submission to such conduct is made either explicitly or implicitly a term or condition of an individual's employment or academic standing, or
2. submission to or rejection of such conduct by an individual is used as the basis of employment or academic decision affecting that individual, or
3. such conduct has the purpose or effect of unreasonably interfering with an individual's work or academic performance, or creating an intimidating, hostile, or offensive environment.

A student, faculty, or staff person who believes he/she has been the victim of sexual harassment must initially attempt to resolve the matter with the administrative official most directly in line to supervise the person accused of sexual harassment. However, a staff employee may proceed directly to the State Personnel Commission. Students may proceed directly to the Vice Chancellor for Student Affairs or his/her designee. Complaints of student against staff or staff against student will be addressed by the SPA Grievance Committee; complaints of student against faculty or faculty against student will be handled by the Faculty Hearings Committee.

FOOD SERVICES

The Cafeteria is located in Bedell Hall with a snack bar in Ridley Center. The Cafeteria and snack bar are catered for the university. All students residing in residence halls must purchase the meal plan. Off-campus students are extended the privilege of paying for food service for individual meals. The university reserves the right to deny food service to any student who is delinquent in paying for board or who violates the established regulations with regard to behavior in the Cafeteria.

STUDENT HEALTH SERVICES

Realizing health cannot be separated from the ability to learn, Student Health Services supports the academic mission of the university through the provision of accessible, quality health care services and educational programs to promote the health and well being of the student population. The services include diagnosis and treatment of general and acute medical problems, allergy injections, immunizations, HIV testing and counseling, laboratory services and limited pharmaceuticals. Student Health Services also provides wellness programs and maintains a fitness room for use by all students. Students may incur charges for certain services rendered at Student Health Services.

All new and transfer students taking more than four credit hours on campus admitted to the University are required to submit a completed Report of Medical History Form provided by the Office of Admissions or Student Health Services. In addition, all new and transfer students must provide an immunization record to the university as required by the North Carolina Immunization Law

(General Statutes 130A-152). Readmitted students who re-enroll after an absence of six months or more must also provide Student Health Services with updated immunization records.

Immunizations along with the Medical History form must be returned to Student Health Services NO LATER THAN JULY 15th FOR FALL ENROLLMENT, DECEMBER 4th FOR SPRING ENROLLMENT, AND MAY 1st FOR SUMMER ENROLLMENT.

Student Health Services is open Monday through Friday 8:00 a.m.-5:00 p.m. Physician hours are 1:00 p.m. until 4:00 p.m., Monday through Friday. Physician hours for the summer will be announced. Should a student suffer an injury or become seriously ill on campus when Student Health Services is closed, he/she should notify the Residence Director or Campus Police at 335-3265. Faculty and staff should call 911 to activate the local emergency management system for emergencies.

Student Health Insurance

All full time enrolled students are automatically charged a health insurance fee for the purchase of a health insurance policy through the university upon registration. Full time students have an opportunity to waive the health insurance fee within the first 10 days of the fall and spring semester by showing proof of health insurance coverage to the university. Waivers must be completed at the beginning of each semester. All full-time (12 credit hours) students who do not waive the health insurance fee will be automatically covered under a health insurance policy purchased by the University. The primary purpose of this coverage is to offset the costs of health care. Brochures outlining the coverage and limitations may be obtained from Student Health Services. Students who withdraw from the University or drop to part-time status should verify continuation of the insurance with Student Health Services.

An optional health insurance plan is available at an affordable price to part-time students. Applications for interested part-time students will be available at Student Health Services.

Any fees and charges for medical services, diagnostic procedures and laboratory services not covered by the student health insurance are the responsibility of the student. Student Health Services does not file insurance claims for students.

STUDENT ACTIVITIES

Student Activities are designed to encourage and facilitate student participation in various organizations and events such as service groups, clubs, recreation, and cultural activities. Major attention is geared toward providing activities, which will supplement academic instruction and provide opportunities for students to develop personally, socially, and intellectually.

The Student Activities staff serves as facilitator in developing opportunities for participation by students in a broad spectrum of activities and events that encourage personal growth. The Master Calendar of Events is developed for the school year and kept in the Student Activities office for student information.

RIDLEY UNIVERSITY CENTER

The University Center, Ridley Hall, serves as the nucleus for all university activities, and houses the following offices and services:

- Student Life
- Student Activities
- Clubs & Organizations
- Greek Affairs
- Commuter Student Services
- Commuter Student Lounge
- Campus Post Office
- The Blue Room – Faculty Dining Room
- Meeting Rooms
- The Viking Den

A new student center (approximately 50,000 sq. ft.) is scheduled to open November 2004. The Ridley Center will be renovated, in the near future.

BOWLING CENTER

The Bowling Center offers the following activities and services for students' enjoyment: bowling, billiards, ping pong, table soccer, air hockey, basketball, tennis, bicycles, video games, paint ball, board games, monopoly, cards, checkers, computers, play stations, and darts.

The Bowling Center can also be rented for: birthday parties, family reunions, Greek parties, baby showers and Church events.

CAMPUS RECREATION

Campus Recreation provides an opportunity for students to participate in a variety of recreational activities. The program includes intramural sports,

aquatics programs, and open free-play. The Campus Recreation program is open to all individuals who are officially enrolled in the university or employed by the university.

The intramural program includes non-competitive as well as competitive activities such as bowling, basketball, volleyball, softball, weightlifting, flag football, racquet ball, golf, co-ed softball, powder puff football, and other sports. The aquatic program includes open free swim, and the fitness program includes aerobic classes.

STUDENT CLUBS AND ORGANIZATIONS

A variety of social, academic, and service organizations exist on campus to aid in the holistic development of ECSU students. Membership is open to all students who maintain a minimum cumulative GPA of 2.0 and who are officially enrolled in the university. Participation in clubs and organizations provides a wonderful opportunity for leadership training and social education. With over 40 registered organizations, there should be one to meet your interests and needs. Students not finding an organization to meet their interests are welcome to form new organizations; however, all organizations must be officially approved by the university. This process is fairly simple and can be initiated with the assistance of the Assistant Dean of Student Life.

Student Government Association

The Student Government Association (SGA) of Elizabeth City State University aims to promote academic and social excellence. Its primary goal is to attend to student needs and development.

It shall be the duty of the Student Government Association to maintain a certain level of communication with students, faculty, and administration. The Constitution further expounds the ideals and purposes of the organization.

Honor and Recognition Societies

Elizabeth City State University has six honor and recognition societies. To qualify for membership, a student must have a high academic average as well as good character. The six societies are: Alpha Chi (N.C. Iota Chapter), Alpha Kappa Mu (Alpha Kappa Chapter), Alpha Phi Gamma (Delta Rho Chapter), Beta Beta Beta (Eta Chi Chapter), Kappa Delta Pi (Kappa Delta Chapter), the Pickwick Society (Language, Literature and Communication), and Psi Chi (Psychology).

Fraternities, Sororities, and Social Fellowships

Elizabeth City State University has four Greek-letter fraternities, four Greek-letter sororities, one service sorority, one service fraternity, and eight social fellowships. Each has its own membership policies and goals. A member of the organization should be contacted for specific details pertaining to his/her organization.

Student Leadership Development Academy

The Student Leadership Development Academy (SLDA) is designed for students who are interested in holding a leadership position on campus. Through a year-long series of seminars and workshops, participants will assess their leadership style, practice leadership skills, meet and interact with campus and community leaders, plan strategies for campus and community involvement, and set goals for their personal leadership development.

Music Organizations

Elizabeth City State University has several music organizations: the University Marching and Concert Bands, the Collegians (Jazz Band), and the University Choir. Any officially enrolled student is eligible for membership. Contact the Music Department for details.

Publications

Students are involved in the writing and editing of many university publications. *The Compass*, the student newspaper, is published on a regular basis. *The Viking*, the student-produced yearbook, serves as the college annual. *The ECSU Student Handbook* is the primary source of information regarding campus life and other university regulations. *Student Rights and Responsibilities, Policies and Procedures* is a document that addresses the fundamental rights and responsibilities of students.

Intercollegiate Athletics

The Intercollegiate Athletic Program is an integral part of Elizabeth City State University. Committed to academic excellence, the program takes pride in having one of the highest graduation rates of athletes attending the NCAA Division II colleges and universities in North Carolina.

Varsity sports provide an opportunity for the athletically gifted student to compete on an intercollegiate basis. Mastery of skills, good health, a love of sports, and a spirit of friendship and ca-

maraderie form the basis for our competitive sports program.

The university features a main gymnasium (Vaughan Center) with seating for 4,500 spectators plus many other features. Men's varsity teams include football, cross country, basketball, baseball, golf and cheer-leading. Volleyball, bowling, cross country, basketball, softball, tennis, golf and cheerleading are teams for women at the varsity level. Teams are nicknamed the "Vikings" and the "Lady Vikings."

The university has athletic affiliations with the Central Intercollegiate Athletic Association (CIAA) and the National Collegiate Athletic Association (NCAA).

Business & Finance

Expenses: Tuition & Fees

Financial Regulations

Refund Policy

Student Insurance

Motor Vehicles and Parking

University Campus Police

Office Of Business & Finance

PER SEMESTER	N.C. RESIDENT		NON-RESIDENT	
	BOARDING STUDENT	DAY STUDENT	BOARDING STUDENT	DAY STUDENT
Tuition	$ 699.50	$ 699.50	$4,869.00	$4,869.00
Other Required Fees	756.75	756.75	756.75	756.75
Room and Board	2,304.00		2,304.00	
Book Rental Fees	155.00	155.00	155.00	155.00
TOTALS PER SEMESTER	**$3,915.25**	**$1,611.25**	**$8,084.75**	**$5,780.75**

Tuition and fees are subject to change by the University of North Carolina Board of Governors or the North Carolina State Legislature without notice.
Students with proof of insurance can waive the charged of approximately $219 per semester for Health Insurance.

EXPENSES
Tuition & Fees

FALL & SPRING CHARGES 2004-2005

Students living in the New Residence Hall, the Complex, Butler Hall, Bias Hall, and University Suites will be required to pay an additional $142 per semester. Students assigned to single rooms will also be charged an additional $313 per semester.

Students residing in Viking Village, which is a fully furnished apartment styled complex with individual bedrooms/bathrooms and a common living room will be charged the following room rates:

1) 5 bedroom/5bath $1,980/sem
2) 4 bedroom/4bath $2,002.50/sem
3) 1 bedroom/1 bath (double) $1,935/sem

Checks or money orders should be made payable to **"Elizabeth City State University".** Please indicate student's name and social security number on the face of the payment to ensure proper credit. Charge cards (Visa and Master Card) are also accepted by the university Cashier. A $25 service charge will be charged for all returned checks. In addition, a $25 late registration fee will be charged when a returned check causes a student to miss the tuition and fees payment deadline.

In the event that a student is unable to pay the full amount for any semester, assistance should be sought early enough to avoid a delay in registering. Payment of any outstanding balance remaining from a previous semester is a prerequisite for attending school. All deferred fees must be paid by the end of the applicable semester. Interest and penalty charges may be included on all past due accounts.

Semester grades or transcripts will not be sent to students with outstanding balances.

Students paying amounts on or before due dates avoid delays during registration. Please write or call the Bursar's Office (Student Accounts) at (252) 335-3471 or 335-3566 for current full- and part-time rates.

SPECIAL CHARGES & FEES

Application Fee

Every admissions application must be accompanied by a non-refundable fee of $30. This fee must be in the form of a **check or money order** made payable to **"Elizabeth City State University."**

Caps and Gowns, etc.

These items can be purchased through the university Bookstore at least 45 days prior to the date of graduation.

Diploma Fee

A processing fee is charged for any diploma reordered after graduation. Shipping and handling charges will be added to this fee. Please call (252) 335-3300 for current costs.

Dropping Courses

A $5 processing charge per transaction is charged for dropping courses after the drop/add period is over. This charge must be paid by cash or check to the university Cashier in the Business Office and may not be charged to your account.

ID Card Fee

A $20 duplicating fee will be charged for the replacement of a lost, destroyed, or misplaced ID Card. There is no fee charged for replacement of a worn out card. Replacement cards may be obtained at the university Bookstore. A student, faculty, or staff member who fails to have an ID Card made on the scheduled dates during registration must pay a $20 fee to receive an ID Card. No refunds will be made for cards which are lost and then found after they have been replaced. Each student is required to carry an ID Card at all times and to present that ID Card to an authorized official upon request.

Graduation Fee

A graduation fee of $50 covers the cost of the diploma and related commencement activities. It must be paid at least 45 days before graduation by any senior planning to attend senior activities.

Senior Fee

The senior fee is determined by the senior class and covers the cost of senior activities during Senior Week. It must be paid at least 45 days before graduation by any seniors planning to attend the activities.

Freshman Orientation

A $75 non-refundable charge covers the cost of the orientation program including university lodging.

Intent to Enroll Fee

A $50 non-refundable fee in the form of a check or money order must be paid within three weeks after receiving a Certificate of Acceptance from the university. This fee will be applied toward payment on your tuition and fees for those students who attend the university.

Pre-Registration Charges

A $100 non-refundable fee for any continuing student who fails to pre-register prior to deadline.

Late Registration Charges

Any student who completes registration after the last official registration date must pay a $25 late registration charge.

Room Deposit

Once a year, each boarding student must pay a $100 non-refundable room deposit which will be applied towards the student's account.

Post Office

U. S. Post Office boxes are available for rent for an annual fee of $25.

Tuition Surcharge

A 25 percent (25%) tuition surcharge will be imposed on all undergraduate, degree-seeking students taking more than 140 degree hours to complete a baccalaureate degree in a four-year (8 semester) program or more than 110 percent (110%) of the credit hours to complete a baccalaureate degree in any program officially designated by the Board of Governors as a five-year program. Each student is encouraged to consult with his or her faculty advisor to avoid excess hours. All regular semester, degree-creditable courses taken are counted including transfer credit hours (up to 94 semester hours), repeated courses, failed courses, and those dropped after the last day of "Drop and Add."

Interest and Penalties

Pursuant to G.S. 105-241.1 (1), an interest charge at the established rate will be added to any past due account receivable from the date due until paid. A late payment penalty of no more than 10 percent of the account receivable may also be added to all past-due accounts. ECSU may waive a late payment penalty for good cause or reason.

OTHER CHARGES

Although fixed charges for tuition and fees are kept to a minimum, the university, with the approval of the Board of Governors, reserves the right to alter these charges at any time with or without prior notice, if costs of materials and services make it necessary. All charges and fees for each semester, including tuition, meals, room, and other fees, are due on or before the day of official registration. If a student is unable to pay the full cost on

or before registration day, parents or prospective independent students should contact the Office of Business and Finance – Student Accounts at (252)335-3471 and make definite arrangements.

Charges for Special Students

Tuition and fee schedules for Special Students are furnished upon request by the Office of Business and Finance – Student Accounts.

Charges for Auditing Courses

Charges for Audit courses are the same as those for taking a course for credit.

Charges for Summer Session(s)

Charges for Summer Session(s) are listed in Summer School brochures and furnished by the Office of Summer School.

Charges for Weekend/Evening Program

Charges for Weekend/Evening Program students are the same as those for regular students. Brochures and other information are available from the Director of the Weekend/Evening Program.

FINANCIAL *Regulations*

BOOK RENTAL POLICIES

The book rental system used at Elizabeth City State University began in 1972. Under this system, students may rent textbooks for each course in which they are enrolled. Some paperback books and all workbooks must be purchased by the student. No refunds are granted on rental charges.

All full-time students are encouraged to use the rental book system. If desired, a student may purchase the book at the end of the semester at a depreciated value.

Part-time students (less than a 12-credit-hour course load) have the option to purchase or rent books. The purchase of textbooks must be a cash transaction.

Students are required to return rented books not later than the fifth business day following the end of the final examination period for that semester. If a student fails to return the books by that date, the full cost of all unreturned books will be charged to the student's account.

Students who drop course(s) should return their book(s) to the Bookstore immediately.

Fees are charged for pages torn from book(s) or deliberate mutilation of a textbook.

Additional books will not be issued unless previously rented books are returned to the Bookstore.

Lost books must be paid for in the bookstore. This charge must be paid before a student can be issued additional books. Non-payment of book charges or fees may result in invalidation of enrollment. No reimbursement or credit will be granted after the charges have been assessed.

BOARDING STUDENTS

The boarding package includes 19, 15, 10, and 5 meals per week. All freshmen that reside in university housing are required to participate in the 19 meal plan during their first semester. Sophomores, juniors, and seniors that reside in university housing may choose either the 19 or 15 meal plan. Residents of Viking Village may choose either 19, 15, 10, or 5 meals per week, but are required to have a meal plan. The meal plan rates are as follows:

1)	19 meals per week	$901.50/sem
2)	15 meals per week	$773.00/sem
3)	10 meals per week	$497.00/sem
4)	5 meals per week	$295.00/sem

The Director of Food Services will accommodate students with dietary restrictions and will provide meals as prescribed (Note: Appropriate documentation must be provided before special accommodations can be made).

BREAKAGE

A student is financially responsible for damage done to any building, equipment, or other property of the institution in which he/she is at fault. If it cannot be determined which student is responsible for the damage, the cost of the damage will be distributed equally among the group of students using the facilities at the time of damage.

ACCOUNTS OF VETERANS & WAR ORPHANS

For assistance in processing Veterans Administration Applications, a veteran and/or war orphan

should confer with the Registrar's Office as early as possible after his/her official class load has been determined for the semester. A veteran must register for and complete at least 12 semester hours to receive maximum benefits each semester.

REFUND *Policy*

If a student officially withdraws from the university on or before the end of the first week of classes, the amount paid may be refunded. After the first week of classes, the charges for tuition, fees, room and board will be assessed based on 20% per week for the next four weeks of the semester. After the first five weeks of classes, no refunds will be issued. The weekly charge begins with the first day of scheduled classes regardless of the actual day of enrollment.

Financial Aid will be adjusted in accordance with federal and state regulations.

If a student departs from the university without following the "official withdrawal procedures," he/she may be subject to 100% of the semester charges.

REFUNDS DUE TO DROPPING AND ADDING OF COURSES

A student who drops courses so that he or she is no longer a full-time student will have his or her charges reduced accordingly and will receive any refund due, provided the courses are dropped prior to the end of the official drop/add period. No adjustments or refunds will be made for courses dropped after the end of the official drop/add period.

PAYMENT POLICY

The university will not release any refund of tuition, fees, room and board until at least four weeks have elapsed from the date of official withdrawal. Upon request, all refunds will be made by check payable to the agency or person responsible for the student's bill.

FINANCIAL OBLIGATIONS

All students are expected to meet their financial obligations to the university promptly and without notice from the Office of Business and Finance. It is each student's responsibility to keep parents or guardians informed of all statements of accounts.

Students whose accounts are more than 14 days overdue may have their attendance in classes discontinued or be requested to withdraw from the university.

Students are urged to make their tuition and fee payments by mail at least 10 days before reporting to the university. Remittances should be sent directly to the Office of Business and Finance –Student Accounts, Elizabeth City State University, 1704 Weeksville Road, Elizabeth City, North Carolina 27909. Personal checks, cashier's checks and money orders will be accepted.

Each check or money order should be made payable to "Elizabeth City State University." A note should be enclosed with each remittance stating clearly and specifically the purpose and for whom the money is intended. Money intended for school supplies should **not** be included in checks intended solely for tuition and fees.

The established State Fiscal Policies and Regulations under which Elizabeth City State University operates state that all student accounts are due and payable on registration day; and, if not paid on that day, must be paid in full prior to the close of the semester for which the student is registered. Students returning to the university with an outstanding balance will not be allowed to preregister or obtain a housing assignment. After the close of the semester, an account which remains unpaid is delinquent. No grades, transcripts of credits, or diploma shall be issued by the Office of the Registrar for any student whose account remains unpaid after the close of the semester.

The intent of this policy is primarily to place the responsibility for keeping accounts current on the student rather than on the university. The policy is not considered unduly burdensome considering the many scholarships, grants, loans, and other funds which are available to qualified students.

STUDENT *Insurance*

All full-time enrolled students are automatically charged a health insurance fee for the purchase of a health insurance policy through the university upon registration. This fee can be waived upon submission of proof of other health insurance coverage to the Student Health Services Office. The acceptable form of proof of health insurance coverage is a valid insurance card indicating the name, address, and telephone number of the insurance company, effective coverage dates and indication the student is covered on that policy. Students who are covered by Medicaid must present a valid September, January or June Medicaid card for the respective terms of enrollment. Waivers may only be obtained during the first twenty (20) days of the Fall and Spring semesters, and must be waived each semester. Once a waiver is obtained for a term, students may not obtain coverage under the health plan purchased by the university until the beginning of the next term in which the student enrolls.

Students who do not show proof of health insurance will receive health insurance coverage through a policy the university purchases for the students. Brochures outlining the coverage and limitations of this policy may be obtained from the Student Health Services Office. Full-time students who do not provide proof of insurance are covered through the term for which the student health insurance fee is paid.

ACCIDENT & SICKNESS INSURANCE COVERAGE

This plan provides comprehensive protection during the term of the policy for each student insured. Students are covered on and off the campus, at home or while traveling between home and school, and during interim vacation periods.

CLAIMS PROCEDURE

In the event of an accident or illness, students must report to the Cardwell-Hoffler Infirmary. Students must be referred by Health Services to be eligible for benefits under this program, except in the case of medical emergencies.

Medical emergencies are defined as the occurrence of a sudden, serious, and unexpected sickness or injury. In absence of immediate medical attention, a reasonable person could believe this condition would result in death, permanent placement of the covered person's health in jeopardy, serious impairment of bodily functions, or serious and permanent dysfunction of any body organ or part.

Students may contact the university's Insurance Company directly at (800) 222-5780 for further information or to obtain additional coverage.

MAJOR MEDICAL SUPPLEMENT COVERAGE (OPTIONAL)

The University does not make provision for Major Medical Supplement Insurance which is optional and can be purchased directly from the university-contracted insurance agency.

CLAIMS PROCEDURE

Report all accidents or illnesses to university Health Services. Students must be referred by Health Services to be eligible for benefits under this program, except in the case of a medical emergency.

Any Motor Vehicle Operated on Campus by Faculty, Staff, or Students Must Be Registered & Display a Registration Decal.

PARKING LOT FEES

Reserved Faculty & Staff	$90.00
Faculty and Staff	$50.00
Students	$40.00

*Fees are subject to change

UNIVERSITY
Campus Police

For the protection of campus and visiting personnel as well as institutional facilities, Elizabeth City State University has a Police Department charged with enforcing state and local laws, university policies, rules, procedures and regulations, including campus traffic and parking regulations. The university community is expected to comply with all state and local laws, university policies, rules, procedures and regulations. Officers' authority extends on and off campus, including the power of arrest. The Campus Police Office is located in the Thomas-Jenkins Building.

Elizabeth City State University
CERSER
Center of Excellence in Remote Sensing Education and Research

Sea Space

Academic Support Units and Interacademic Programs

University Computing and Technology
Academic Computing & End-User Support Services
Distance Education Program/Virtual College
Graduate and Continuing Education Program
Library
Office of Sponsored Programs, Contracts and Grants
Special Programs

- CENTER FOR ENTREPRENEURSHIP
- CENTER OF EXCELLENCE IN REMOTE SENSING AND EDUCATION RESEARCH (CERSER)
- EDUCATION TALENT SEARCH PROGRAM
- INDEPENDENT STUDIES AND SELF-PACED STUDY ONLINE
- INTERNATIONAL PROGRAMS
  - International Study Abroad Program
- NORTH CAROLINA HEALTH CAREERS ACCESS PROGRAM
- NORTH CAROLINA MATHEMATICS & SCIENCE EDUCATION NETWORK (NC-MSEN)
- RONALD E. MCNAIR POSTBACCALAUREATE ACHIEVEMENT PROGRAM
- STUDENT SUPPORT SERVICES
- UPWARD BOUND

Summer School Program
University Honors Program
Weekend/Evening Program
Planning, Research, and Outreach

- COMMUNITY DEVELOPMENT PROGRAM
- SMALL BUSINESS & TECHNOLOGY DEVELOPMENT CENTER
- UNIVERSITY ARCHIVES

UNIVERSITY
Computing & Technology

The Division of University Computing and Technology is composed of three support service units: (1) The Administrative Computer Center (Information Systems) is responsible for maintaining a solid base of technically oriented computer-related support for the entire university. Its missions include serving as a viable data processing agency for the university, managing efficiently the computer resources of the university, supporting the development of the management information system, and providing the means for its users to meet their goals and objectives; (2) The Academic Computer Center provides a broad range of assistance to faculty, staff, and students using instructional computing facilities. The staff is responsible for the maintenance of user-oriented software for software enhancements and supplemental assistance for general computer laboratory academic support; (3) The Office of Telecommunications is responsible for providing and managing the connectivity and the proper functionality of equipment for all voice, video, and data communications used by the university.

ACADEMIC COMPUTING
& End-User Support Services

Academic Computing & End-User Support Services provides general purpose computing facilities to students, faculty, and staff at Elizabeth City State University. The department provides end-user support services for all areas of the University including personal computer support to the schools and various administrative departments of the University. Such services include, but are not limited to , computer application workshops, instructional technology assistance, pre-purchase consultations, hardware/software installations, technical troubleshooting & problem resolution, e-mail, web services, and network server support.

The department is located in the Information Technology Center. The ITC is a two story, L-shaped structure which houses the administrative spaces for Information Technology, Academic Computing, Administrative Computing, Center for Teaching Excellence, Distance Education/Virtual College, Interactive Video Services, and Network Services. The facility has five computer labs which are also used for instructional purposes, a faculty Demonstration and Discovery lab, a lecture hall with ceiling mounted projection integrated with a computer, VCR, and DVD player, computer operations room, student lounge, a video conference room and two tele-classrooms.

The lab provides access to state-of-the-art technologies that allow users to complete tasks such as Internet assignments, word processing, database, spreadsheets, multimedia presentations, scanning, programming, and web applications. In addition to the computer labs and classrooms, the department maintains laptops, LCD projectors, and a digital camera that can be checked out by the faculty and staff.

E-mail accounts are automatically created each semester for all students who officially register. Freshmen accounts are distributed at New Student Orientation.

In addition to the labs in the ITC, there are approximately 21 other computer labs located in departments across the campus. These facilities, in most instances, provide discipline-specific resources that allow the students to utilize applications relative to their major discipline.

DISTANCE EDUCATION PROGRAM/
Virtual College

"Learn Anytime Anywhere Via the Internet"

The Elizabeth City State University Virtual College is a collaborative effort involving a cadre of Elizabeth City State University faculty, administrators, and support staff, working to serve as a model for change and growth on campus. The purpose is to extend availability and access to course offerings to prospective students who are isolated from campus due to time and or geographic location, utilizing existing, new, and emerging technological strategies including e-learning.

FACULTY REQUIREMENTS

To be eligible to teach e-learning courses through the Virtual College, faculty members must meet several requirements. Faculty members must complete web-based training workshops through the Virtual College prior to offering an e-learning or web-enhanced course. To see more detailed information on faculty requirements visit the Distance Education/Virtual College website at www.ecsu.edu and click Faculty and Staff and Blackboard.

STUDENT REQUIREMENTS

- Apply to ECSU (252-335-3305 or 800-347-3278) and Register for an e-learning course(s) (252-335-3300.) Students must meet application deadlines.
- Access to a computer (at home, work, local community college, school, etc.), Internet connection and a web browser (Netscape Communicator or Internet Explorer.) Basic computer skills such as word processing, sending and receiving email and attachments, and Internet usage are necessary.
- Email account: Students taking e-learning courses must use their ECSU email accounts. See EMAIL HELP at www.ecsu.edu for information on obtaining and using your ECSU email account.
- Blackboard account: Students taking e-learning courses must have a blackboard account. To request an account visit the Blackboard Support website at www.ecsu.edu, click Current Students and Blackboard.
- Access to Microsoft Office or Corel WordPerfect Suite.

For the most up-to-date information on e-learning courses and qualities that contribute to a successful e-learning experience via e-learning visit, the Distance Education/Virtual College website at www.ecsu.edu and click Current Students and Blackboard.

Contact Information:
Director of Virtual College
Mrs. Kimberley N. Stevenson
Campus Box 924
208 Information Technology Center
Phone: 252-335-3699
Fax: 252-335-3426
Email: knstevenson@mail.ecsu.edu
Website: www.ecsu.edu

Technology Consultant
Mrs. Loretta Powers
Campus Box 924
211 Information Technology Center
Phone: 252-335-3112
Fax: 252-335-3426
Email: lbpowers@mail.ecsu.edu

GRADUATE & *Continuing Education Center*

CONTINUING EDUCATION PROGRAM

The institution offers Continuing Education courses, workshops, seminars, etc., for mid-career development, gaining job recognition, keeping up-to-date, and broadening knowledge. These offerings are measured by the Continuing Education Unit (CEU): one unit for ten contact hours of participation in an organized educational experience under responsible sponsorship, capable direction, and qualified instruction. Attendance must be recorded and participants must be present for the whole program in order to earn CEUs and receive a CEU certificate. For further information, call 252/335-3947.

GRADUATE PROGRAM

The ECSU Graduate and Continuing Education Center, established by the UNC Board of Governors in June 1980, houses graduate instruction at ECSU with a particular mission to assist in the staff development of public school districts in northeastern North Carolina.

ECSU offers an Advanced Master's degree in Elementary Education, a Master's degree in Biology, and a Master's degree in Mathematics (*see Graduate Catalog*) in the K. E. White Graduate and Continuing Education Center on the Edgewood campus. Other graduate level programs are offered by East Carolina University, Greenville, North Carolina.

For further information and application, see the ECSU Graduate Catalog or call 252/335-3947.

THE *Library*

The G. R. Little Library is an attractive center for the intellectual life of the campus and community. It is readily accessible to all Library patrons.

The floor plan enables its differing functions and departments to interact cohesively with one another, assuring optimum efficiency and better service for its patrons. The building embraces modern standards of design, lighting, ventilation, soundproofing, and safety. Through the security system, its valuable materials and resources are protected from potential loss. In addition to library offices, it has conference rooms, 30 locked individual study carrels for students, and a media center — all of which enhance and encourage students, faculty, and community usage.

The G. R. Little Library houses a collection of 192,923 books, 488,665 microforms, 1,297 sound recordings, 390 videotapes and films, and subscribes to 1,720 serials. The Library has an on-line computerized System: Horizon. This integrated system allows patrons to search the on-line public access catalog (OPAC) for the Library's holdings. The Library also offers Internet access to the catalogs of many libraries worldwide. The Library provides access to many on-line electronic databases via strategically located computers.

Through its extensive collection and connection to external sources, the Library ensures that all students and faculty have access to materials needed to support the mission of the university. Its well organized collections of print and non-print materials adequately serve all users. The majority of the Library's collections are classified according to the Dewey Decimal System and are accessible on-line. The 42,000 square-foot structure has the capacity to seat 587 patrons and stacks to house 200,000 volumes on open shelves.

The Educational Media Center located on the second floor of the Library, plays a vital part in complementing all classroom instruction of the university. The Center provides various services to the university to enhance teaching capabilities and improve instruction. The objective of the Center is to give assistance to users in the effective use of its resources.

The services of the Media Center have three main divisions: Projection and Related Services, Video Reproductions, and Graphics Reproductions. Services and materials include: media equipment circulation, media software circulation, transparency and graphics production, photocopying of microform information, audio tape reproduction, videotaping, and equipment setups. Services and materials are designed to support classroom instruction.

OFFICE OF SPONSORED *Programs, Contracts & Grants*

The Office of Sponsored Programs, Contracts and Grants at Elizabeth City State University conducts an aggressive and comprehensive sponsored research program to support teaching, research, and community outreach. It includes scholarly and scientific investigation leading to the discovery of new knowledge or reinterpretation of previous knowledge based on newly derived facts. The staff assists administrators, faculty, staff, students, and community leaders in writing proposals to acquire funds and equipment from external sources. SPCG also works with university personnel to implement funded projects and monitors these activities to ensure compliance with federal, state, and sponsor guidelines.

Since Sponsored Programs, Contracts and Grants establishment in 1993, the office has worked with university personnel to attract over $20 million and equipment to promote opportunities, upgrade technology and facilities, provide training for faculty and staff, and create research opportunities for scholarships and internships for students. Among the major funding agencies are the United States Department of Education, the Office of Naval Research, and the National Science Foundation. The SPCG continues to assist the university in building upon its solid foundation of teaching, research, and public service in higher education.

THE CENTER FOR ENTREPRENEURSHIP

The primary purpose of the Center for Entrepreneurship is to enhance the educational experience of students at Elizabeth City State University. The Center's activities are housed in the Walter R. Davis School of Business & Economics, but its programs are intended to serve all students, regardless of major. The Center carries out its mission via four avenues:

1. The Entrepreneurial Internship Program.
2. The Visiting Entrepreneur Lecture Series.
3. Maintaining an ongoing dialog with faculty members in all disciplines, and sponsoring an interdisciplinary course in Entrepreneurship.
4. Creation and maintenance of a resource center for exploration of entrepreneurial topics.

CENTER OF EXCELLENCE IN REMOTE SENSING AND EDUCATION RESEARCH (CERSER)

CERSER was established in spring 2003 to develop innovative and relevant research collaborations focused on remote sensing applications to coastal, ocean, and marine research.

CERSER offers a variety of training events with speakers from around the country in various fields related to Remote Sensing. Many of these events are open to individuals from outside the ECSU Campus. The lab is also available for other groups to utilize during remote sensing training. The CERSER lab is the home for the Eastern North Carolina Section of the IEEE Geoscience and Remote Sensing Society.

CERSER obtains data from several satellites passing overhead each day. These sets of data allow the operators to render images to support users' research goals. The images developed from these data sets are available in a searchable database. For further information, the CERSER Lab is located at 232 Dixon Hall, Phone: (252) 335-3992, Fax: (252) 335-3572 http://cerser.ecsu.edu.

EDUCATIONAL TALENT SEARCH PROGRAM

The Educational Talent Search Program is a comprehensive counseling and referral service funded by the United States Department of Education and sponsored by Elizabeth City State University. Its purpose:

1. To identify qualified students with the potential for education at the post-secondary level and to encourage such students to complete secondary school and to undertake a program of post-secondary education.
2. To publicize the availability of financial assistance available to persons who pursue a program of post-secondary education.
3. To encourage persons who have not completed programs of education at the secondary or post-secondary level, but who have the ability to complete such programs, to reenter such programs.

Educational Talent Search is designed to help participants reach their maximum educational potential by providing them with resources and skills that will enable them: (1) to successfully meet the challenges of the 21st century, (2) to make sound career decisions, and (3) pursue post-secondary opportunities, and rewarding trades and professions.

What Services Are Available

This program provides the following personalized services and supportive educational opportunities:

1. Academic Advisement and Counseling (academic, personal, and group)
2. Access to the Internet and World Wide Web
3. After-School Tutorial Program
4. Career Orientation and Personal Development Workshops
5. College Placement
6. Community/Parental Involvement
7. Cultural Enrichment Trips
8. Early Intervention Activities
9. Information and Referral (ABE/GED, Apprenticeship, and Training Programs, Internships, etc.)
10. Lending Resource Library
11. Newsletter
12. SAT/ACT and College Fee Waivers
13. Study Skill Techniques and Computer-Assisted Instruction
14. Technical Assistance and other Supportive Services

Program Eligibility

A person may qualify by:

1. Living in any one of the nine (9) targeted northeastern North Carolina counties,
2. Being at least 11 years of age and having completed the fifth grade,
3. Being a U.S. citizen or eligible non-citizen,
4. Being a potential first-generation college student and/or meeting the low-income criteria established by the U.S. Department of Education, and
5. Having a strong desire to pursue a post-secondary education and feeling that he or she can benefit from Talent Search's program services and resources.

For further information, contact Elizabeth City State University at (252) 335-3656 or visit the office at Lane Hall Room #116.

Start Building Your Tomorrow, Today!

INDEPENDENT STUDIES AND SELF-PACED STUDY ONLINE

Independent Studies and Self-Paced Study Online offer college-level correspondence and online courses for persons at a distance from the university campus. Enrollment is possible any time of the year and students have nine months (276 days) from the enrollment date to complete the course. However, a course cannot be completed sooner than twelve weeks from the date the first assignment is submitted. Only two courses can be taken at one time.

Independent Studies and Self-Paced Study Online is especially suited for students who will be away from the campus during summer or participating in an internship program during the semester. Administration of the program is handled by Academic Programs and Services in The William and Ida Friday Center for Continuing Education at UNC-Chapel Hill. For further information, contact The Office of Graduate and Continuing Education at 252/335-3947 or The Friday Center at 919/962-1134, 800/862-5669.

COURSES CURRENTLY AVAILABLE THROUGH ECSU

Department Of Geosciences

ENSC 101 General Environmental Sciences .. (3)

Department Of Mathematical & Computer Science

GE 118 Precalculus ..... (3)
STAT 251 Basic Statistics ..... (3)

Department Of Social Sciences

CJ 204 Penology ..... (3)
POLS 301 American National Government .... (3)

THE OFFICE OF INTERNATIONAL PROGRAMS

The Office of International Programs operates under the auspices of the Associate Vice Chancellor for Academic Affairs. Its key roles are as follows:

1. Develop and manage student and faculty education exchange activities;
2. Develop and manage partnerships with foreign universities;
3. Carry out educational activities throughout northeast North Carolina through the K-12 International Outreach Program;
4. Internationalize ECSU campus;
5. Network with other institutions in the consortium to promote learning;
6. Organize campus activities that promote cultural understanding like lectures, workshops and the International Week festival;
7. Encourage the establishment and sustenance of an international curriculum at ECSU;
8. Promote Study Abroad activities; and
9. Work with schools in northeast North Carolina to promote global cultural and social education.

For additional information on International Programs, contact:

Dr. Emmanuel K. Ngwainmbi
Director of International Programs
808 K. E. White Graduate and Continuing Education Center, Room 101
Phone: (252) 335-3018; FAX: 335-3823
Email: ekngwainmbi@mail.ecsu.edu

INTERNATIONAL STUDY ABROAD PROGRAM

Elizabeth City State University has developed a Study Abroad Program which provides opportunity for students to spend a summer or full semester in the Dominican Republic, other areas of the Caribbean and the world. The program focuses on language and culture study combined with an internship (Fall/Spring) designed to provide work experience in the student's academic discipline.

Careers Access Program

The North Carolina Health Careers Access Program at Elizabeth City State University was established in 1973. It is one of three regional centers of the North Carolina Health Careers Access Program, an interinstitutional program of The University of North Carolina established in 1971 to address the serious shortage of health professionals in North Carolina, especially among under represented minorities (African American and American Indian) and economically disadvantaged population groups.

The purpose of the Health Careers Center is to provide recruitment, counseling, and enrichment services; and activities to increase the number of underrepresented minority and disadvantaged persons being trained and employed in the health professions.

The ECSU Center serves the northeastern (Albemarle) region of North Carolina and offers the following services and activities:

1. Provides information on over 200 different health careers and on a broad range of health profession programs available in North Carolina and elsewhere;
2. Counsels individuals seeking careers in the health professions for which training is available in the constituent institutions of The University of North Carolina, and in the North Carolina technical institutes and community colleges;
3. Provides retention and enrichment services for minority students enrolled in preprofession health programs;
4. Provides professional study guides, didactic science review materials, and cassette tapes to assist in preparation for the Medical College Admission Test (MCAT) and the Dental Admission Test (DAT);
5. Coordinates seminars on admission procedures, entrance exams, curriculum requirements, and financial aid for health profession schools and graduate biomedical science programs;
6. Conducts a Clinical Health Summer Program (CHSP) which provides clinical and academic enrichment experience for underrepresented minority health science majors interested in health or health-related careers;
7. Provides educational field trips to medical centers and health profession schools in North Carolina and interaction with health profession school faculties, administrators, students, and practicing health professionals;
8. Assists minority and disadvantaged students interested in health profession programs in identifying adequate financial aid resources;
9. Sponsors a Health Careers Club for enrolled health science majors and others interested in pursuing careers in the health professions; and
10. Conducts health careers workshops for minority high school students and health careers clubs.

HEALTH CURRICULA & DEGREE PROGRAMS AT ECSU

Curricula	Degree Programs
Pre-Medical	B.S. Biology
Pre-Dental	B.S. Chemistry
Pre-Pharmacy	B.S. Psychology
Pre-Medical Research	B.S. Mathematics
	B.S. Physics

Preparatory Programs/in UNC System

Biochemistry	Medical Social Work
Biostatistics	Nursing
Child and Maternal Health	Nutrition
Chiropractic	Optometry
Dentistry	Parasitology
Dietetics	Pharmacy
Medicine	Physical Therapy
Environmental Science	Physician Assistant
Epidemiology	Podiatry
Genetics	Psychology
Genetic Engineering	Public Health
Health Policy and Administration	Research in Biology/ Chemistry
Hospital Administration	Social Work
Health Education	Speech Pathology
Medical Records	Sports Medicine
Medical Sociology	Veterinary Medicine

The Center provides information on health careers; assists students in applying to health professional schools, and identifying and applying for financial aid; provides study guide materials for MCAT/DAT examination; conducts college and high school health careers workshops; maintains

contact with professional schools faculty and administrators, health and area agencies. During the summer, the Center conducts a Clinical Health Summer Program, which provides a learning experience in local health agencies and science enrichment activities.

For additional information, please contact: Mrs. Izila Mouring, Director of Health Careers, 103 Cardwell Hoffler Building, Phone: (252) 335-3270.

NC-MSEN (MATHEMATICS & SCIENCE EDUCATION NETWORK) PRE-COLLEGE PROGRAM

The mission of the North Carolina Mathematics and Science Education Network (NC-MSEN) Pre-College Program is to broaden the pool of students pursuing mathematics- and science-based majors and careers. The Pre-College Program actively recruits and prepares students of average to above average ability in grades 6-12 who have not been sufficiently exposed to mathematics- and science-based courses and careers.

The NC-MSEN Pre-College Program serves students from seven counties in Northeastern North Carolina. Students participate in exciting, uplifting, and challenging activities in mathematics, science and technology through the Saturday Academy and Summer Scholars Programs on the campus of Elizabeth City State University. A diversified team of master public school teachers, retired educators, college professors and government workers makes up the staff that supplements the weekday educational learning provided in our public schools.

The curricula focus is to conduct academic enrichment experiences in problem solving, mathematics, science, communications, and technology. The Program provides the needed guidance and enrichment activities to help students graduate from high school with the sufficient skills and interest to pursue a four-year degree in a mathematics or science-based field of study.

Information concerning this program can be obtained by calling the Program Coordinator at 252/335-3409.

RONALD E. MCNAIR POSTBACCALAUREATE ACHIEVEMENT PROGRAM

The McNair Postbaccalaureate Achievement program is named in honor of Dr. Ronald Erwin McNair, a renowned laser physicist and astronaut. Dr. McNair's life was cut short due to a tragic accident aboard the USS *Challenger* Space Shuttle in January 1986. After his death, members of Congress provided funding for the Ronald E. McNair Postbaccalaureate Achievement Program to encourage ethnic minorities, women, and other underrepresented groups to pursue graduate school opportunities, in particular doctoral studies.

Program participants at Elizabeth City State University receive exemplary supportive services that are designed to accomplish four (4) major goals: (1) to improve participants' grade point averages, (2) to provide opportunities for research and other scholarly activities, (3) to enhance the likelihood of admission to graduate programs of choice, and (4) to prepare students for "success" in graduate/doctoral studies. Also, each participant is eligible for a $2,800 Summer Research stipend.

To be eligible for ECSU's McNair Program one must be: a United States citizen or permanent resident; a college sophomore, junior, or senior and enrolled at Elizabeth City State University; a first-generation college student with demonstrated financial needs; or an ethnic minority (African Americans, Hispanic Americans, American Indians, Alaskan Natives, Pacific Islanders, including Native Hawaiians), and/or groups underrepresented in graduate education; in good academic standing with a GPA of 2.75 or better; preferably an airway science, biology, chemistry, computer science, criminal justice, geosciences, industrial technology, marine science, mathematics, physics, political science, psychology, public administration, speech pathology, sociology, social work major; and have a strong interest in attending graduate school.

For further information, contact the McNair Office at (252) 335-3494; E-mail: cjlewis@mail.ecsu.edu or visit the office at Lane Hall Room #109.

"Before you can make a dream come true, you must first have one."

STUDENT SUPPORT SERVICES

The Student Support Services Program offers assistance to any qualified student who meets the criteria established by the United States Department of Education and who is accepted or already enrolled at an institution of post-secondary education.

This program provides students with supportive services such as basic skill instruction, tutoring,

mentoring, personal counseling, academic advisement, and assistance in obtaining financial aid. It assists students in improving their academic and personal skills as well as preparing them to effectively handle the challenges of college life.

The Student Support Services Program is designed to improve the retention and graduation rate of eligible participants enrolled in post-secondary education. The needs of students accepted in the program are thoroughly assessed through testing and counseling.

For further information, contact Student Support Services Program at 252/335-3369.

UPWARD BOUND

Upward Bound is a college-based program of rigorous academic instruction, individual tutoring, and counseling for low-income, disadvantaged high school students, most of whom are the first generation of their families to enter and successfully complete post-secondary education. The selection of students is based on the recommendation of teachers, counselors, and others who are well acquainted with them.

During the summer, Upward Bound students live on the campus for six weeks and are involved in an intensive academic study program with an emphasis on composition and literature, reading, mathematics, science with lab, and foreign language. The students begin the program with a battery of tests to determine their strengths and weaknesses. Afterwards, an individualized educational program is designed for each student. Individual and group counseling is also an important element of the program.

During the academic year, Upward Bound students receive supplemental academic instruction, tutoring, and counseling on Saturdays. The academic year is designed specifically to guide students through their required college preparation courses.

For further information, contact the Upward Bound Program at 252/335-3369.

THE SUMMER *Program*

As an integral part of Elizabeth City State University (ECSU), the Summer School Program continues to promote excellence in teaching as its primary responsibility to meet the needs of the students. The school is recognized for its quality teaching, personalized attention and course offerings.

Our goal is to help the individual achieve personal and professional growth; we stress and strive to make a difference in the lives of our students. Each summer, ECSU offers a wide range of undergraduate and graduate courses needed by the greatest number of ECSU students to fulfill their general education and degree requirements. Recently, our offerings have included a variety of distance learning and evening courses to meet the complex needs of adult learners.

Summer studies are a formal part of Elizabeth City State University through which the teaching, service, research activities and its curricula are coordinated during the summer months.

Summer courses are offered during a one six-week session and usually scheduled from the 2nd week of June to the last week of July. A complete listing of course names, numbers and course call numbers used for web registration is included in the Summer School Catalog. Descriptions of the courses are found in the University Catalog. Summer visitors who are unable to consult a catalog may visit the ECSU web page at http:/www.ecsu.edu/prospective/admissions.cfm. The Summer School Catalog also contains general information on admission to the university, summer school session, summer calendar, course loads and records, tuition and fees, late registration policy, course cancellations, withdrawal/refund policy, drop and add policy, financial aid, on campus housing, dining services, parking, bookstore, post office, library, student health services, and class attendance policy.

ECSU campus is full of activities during the summer months with fall incoming freshmen participating in student orientation, advising, financial aid and the registration process. A number of workshops, seminars, symposia and institutes supported by local, state and federal agencies are held. These activities facilitate the successful integration of students into the academic and social components of the campus environment.

All new students who are admitted to Summer School must meet the same general entrance re-

quirements as the students admitted to the regular academic year program.

Transfer and unclassified students who plan to attend ECSU for the first time (who are not continuing academic year students) must apply for admission to the university in time to fulfill the requirements for acceptance at least one week prior to the date of registration. **Visiting or transient students** must present a letter of permission from the institution where they intend to receive their degree, approving their enrollment in Summer School at ECSU.

We value the diversity of our student population and the rich experiences they bring to our campus and community. The schedule of classes, instructional formats, program designs, faculty and staff office hours have been conveniently established. Academic support services are offered through our advisors and counselors along with career development and academic counseling.

Our summer courses are taught by faculty who are fully committed and dedicated to making our summer studies challenging, rewarding and satisfying.

Elizabeth City State University
Office of Summer School
Dixon Hall 107/108
Campus Box 845
Elizabeth City, NC 27909
Phone: (252) 335-3242/3670
Email: AAKhan@mail.ecsu.edu
ptemple@mail.ecsu.edu

UNIVERSITY

Honors Program

PHILOSOPHY AND MISSION

The Honors Program is designed to challenge students with high academic potential at an accelerated rate and to provide them with exposure to a wide variety of in-depth academic, social, cultural and international experiences. The Honors Program is committed to fostering achievement at superior levels so that by graduation students will:

1. Display exceptional proficiency in the command of both oral and written communication skills;
2. Acquire a broad knowledge base by exploring diverse and tangential domains;
3. Develop self-discipline and self-restraint both in character and in academic endeavors to the extent that counterproductive distractions will not be allowed to impede progress;
4. Demonstrate motivation which is intrinsically induced to the extent that the student is stimulated to investigate, pursue, and continue to unravel various bodies of knowledge beyond average expectations;
5. Obtain a psychological disposition that displays an independent and personal approach to the search for exceptional scholarship as opposed to a dependence on established patterns; and
6. Develop high levels of research, creative writing, technical writing, computational, and non-verbal skills so that a substantial level of proficiency will have been achieved by graduation.

STRATEGIES

In addition to the high quality of instruction that students gain in their regular course work, Honors sections of many core courses have been developed in the General Education area. Being designated an Honors section of a course implies that the course work is not only more advanced, but also more in-depth.

The heart of the Honors Program is the colloquium concept which is designed to improve the students' communication skills, both oral and written. Using this concept, the university is able to meet the needs of its academically talented students.

A program of cultural and social activities is provided for Honors students. These activities may include field trips, plays, concerts, tours, and workshops. They are intended to increase student interest and to improve the retention rate among Honors students.

The university provides means for the students to receive sufficient incentives, in order that they may fulfill their potential, by providing adequate recognition of outstanding student accomplishments. To ensure that adequate recognition is given to these students, the Honors Program will (1) award a certificate of participation as students successfully complete each year in the Program, (2) institute a structured series of forums under the aegis of the Honors Program, (3) initiate an Honors Newsletter/Arts Magazine, (4) identify Honors students at graduation by a specific visual symbol, and (5) record "Honors Program Graduate" on the diploma and on the transcripts of students who successfully complete the Honors requirements.

The Honors Program sponsors a peer tutoring Program in which upper-division Honors students assist

lower-division students in the core courses in the General Education area and in the major disciplines.

The Honors Program sponsors a Junior Mentor program that allows juniors to serve as ombudsmen to freshman Honors students.

The Honors Program sponsors debate teams to enhance the students' opportunities to think critically and to solve problems.

OBJECTIVES

The Honors Program's major objectives are:

1. To develop a unified program of rational and creative thinking, writing, verbal, and reading skills through the colloquial concept in an effort to improve students' skills;
2. To promote Honors seminars designed to facilitate dialogue between Honors students and faculty without the pressure of grades;
3. To participate in career workshops for Honors students in a variety of fields;
4. To arrange internships in cooperation with the Cooperative Education Program and the academic departments;
5. To enhance the overall quality of the university's academic programs and the academic climate of the Institution; and
6. To provide international study and travel experiences.

ADMISSION REQUIREMENTS

Admission for first semester freshmen into the university Honors Program is determined as follows:

1. Students who are National Merit Scholarship finalists will automatically be admitted to the Program.
2. Students with a B average for their four years of high school will be considered for admission to the Program if they have satisfactory SAT or ACT scores and they have followed the academic track in high school. Furthermore, students will become eligible for admission to the Program only after satisfying additional criteria. These criteria may include the successful completion of an interview with the Director and/or members of the university Honors Council, teacher recommendations, and university placement tests.

Admission for other students into the university Honors Program is determined as follows:

1. Second semester freshmen or first semester sophomores are considered for admission to the Program if they meet the above criteria in addition to having demonstrated outstanding performance in individual university-level courses. These students must obtain letters of recommendation from the Division of General Studies and approval from the Director of the Honors Program and/or the Honors Council. The students must also:
   a. Have a cumulative grade point average of 3.0,
   b. Present well-written essays of interest, intent, and commitment to participate in the Program.
2. Transfer students who were enrolled in an honors program prior to matriculation at Elizabeth City State University will be invited to join the Honors Program. These students must present proper credentials and a letter of recommendation from the Director of the Honors Program in which they participated.

RETENTION REQUIREMENTS

To remain in the university Honors Program, students must maintain overall 3.0 grade point averages after the freshman year. Students are expected to attend regular meetings of colloquia, or as called by the Director. Failure to attend these meetings or adhere to any of the requirements documented by the university Honors Council may result in expulsion from the Program.

HONORS PROGRAM PROBATION AND REINSTATEMENT

Students will be placed on probation if their overall grade point averages drop below 3.0. If the students' grades improve to the acceptable level by the end of the semester, they may apply for reinstatement. Student requests will be considered by the Director and/or the Honors Council. Students who are on probation more than twice will not be eligible for reinstatement. Students who make Ds while maintaining the appropriate average must repeat the courses, but they will not be put on probation.

GRADUATION REQUIREMENTS

Students who graduate from the Honors Program must meet the following requirements:

1. A minimum of 24 semester hours earned in Honors courses to include:

a. General Studies

Honors Courses ..... 9 Sem. Hrs.

Two courses in Honors English and one course in Honors Mathematics preferably in the Freshman year.

b. *Freshman Honors Colloquium

HON 194 ..... 1 Sem. Hr.

Freshman Honors Colloquium

HON 195 ..... 1 Sem. Hr.

One each semester

c. Sophomore Honors Colloquium

HON 294 ..... 1 Sem. Hr.

Sophomore Honors Colloquium

HON 295 ..... 1 Sem. Hr.

One each semester

d. Junior Honors Colloquium

HON 394 ..... 1 Sem. Hr.

Junior Honors Colloquium

HON 395 ..... 1 Sem. Hr.

One each semester

e.**Senior Honors Colloquium

HON 494 ..... 3 Sem. Hrs.

This is a Senior Honors Thesis/Research Project which has to be approved by an advisor in the major Department with assent of the Honors Program Director and/or the Honors Council.

Senior Honors Colloquium

HON 495 ..... 1 Sem. Hr.

This course is designed only for students who did not complete the Senior Honors Thesis/Research Project in HON 494.

f. Major Discipline 6–12 Sem. Hrs.

Students must take 6–12 semester hours in their major disciplines by contract or Honors Option.

2. An overall grade point average of 3.0 for Honors courses.
3. A grade point average of at least a B earned in Senior Colloquia.
4. A cumulative grade point average of 3.0 in all university courses.

* In lieu of Freshman Seminar

** Students may take two semesters to complete the Senior Colloquium project with an IP (In Progress) grade for the first semester.

HONORS COLLOQUIA AND SENIOR THESIS

The heart of the Honors Program is the colloquium concept which is designed to improve the students' communication skills (both oral and written) and to expand the students' horizons. Even though the Honors Colloquia are rather flexible, the basic format will:

1. Incorporate field trips and guest lectures;
2. Include writing and class discussion as a regular part of class activities;
3. Demonstrate an integration of classroom knowledge with everyday events;
4. Include the reading from the list of 100 Plus Great Books; and
5. Include the planning and execution of a major scholarly project which culminates in a forum or seminar for the general university public.

The colloquia will be divided according to classes as follows:

1. Freshman Class—Freshman Honors Colloquia

   HON 194 ..... 1 Sem. Hr.

   HON 195 ..... 1 Sem., Hr.

   In lieu of the Learning Strategies course which is now offered by the Division of General Studies with additional opportunities for involvement in the areas of communication, literature, world problems, and social interaction.

2. Sophomore Class—Sophomore Honors Colloquia

   HON 294 ..... 1 Sem. Hr.

   HON 295 ..... 1 Sem. Hr.

   An interdisciplinary approach used in presenting themes and ideas which are related to and integrated with everyday events, world concerns, etc.

3. Junior Class—Junior Honors Colloquia

   HON 394 ..... 1 Sem. Hr.

   HON 395 ..... 1 Sem. Hr.

   A thematic approach involving the "Great Ideas" (Justice, Love, Death, etc.) as a frame of reference.

4. Senior Class—Senior Honors Colloquium

   HON 494 ..... 3 Sem. Hrs.

   A demonstration of the student's research by involvement in a project in his or her major discipline (Thesis, literary or artistic production, etc.) and an oral defense.

   HON 495 ..... 1 Sem. Hr.

   Designed for students who did not complete the senior thesis or literary/artistic production, etc. in HON 494. Prerequisite: HON 494; consent of Director of Honors Program.

HONORS CREDIT BY CONTRACT

Honors credit by contract will enable students to receive honors credit in regularly scheduled courses in their majors.

H-option courses will probably include one or more of the following criteria:

1. Reading in addition to that normally required for the course, attested to either by oral presentation or written work.
2. Guided research involving either data from primary sources, a laboratory investigation, or field research resulting in a creative presentation or an individual report with annotated bibliography and other features normally incorporated into an advanced-level-report.
3. Class or peer presentations which are prepared, designed, and delivered to a standard that will qualify for honors credit.

Regardless of the individual structure of H-option contracts, they are all likely to share one or more of the following characteristics:

1. Provision for additional consultation between student and instructor;
2. Inclusion of data sources or a laboratory investigation beyond that routinely required in a course;
3. Evaluation methods which are specific and rigorous; and
4. Choice of subject matter, project or laboratory problem within the sphere of interest of the student and instructor.

Students pursuing H-option credit are responsible for all regularly scheduled work in a course in addition to any special H-option requirements.

WEEKEND/EVENING *Program*

"Turning Dreams Into Realities for Adult Learners"

The Weekend/Evening College offers full-time and/or part-time employed persons an opportunity to pursue a college degree by attending classes during the weekend and/or evening. Classes are scheduled on Monday through Friday evenings and on Saturday. The quality of instruction received and the quality of academic achievement expected from students are the same as they are for traditional, day students.

The curriculum is designed to meet the various academic needs of the adult learner: those with an incomplete college education, those who have associate degrees and wish to pursue a baccalaureate degree, those high school graduates who have never enrolled in college before, and those in-service teachers who need courses for renewal or licensure. Students may also pursue a non-degree program for purposes such as personal enrichment and occupational advancement.

Students may register for 1 to 18 credit hours per semester, which would be determined at the time of advisement with consideration given to student and program needs. Students are advised to consult with the Weekend/Evening Advisor in their major department for advisement assistance.

Programs of Study offered include Art, Business Administration, Language/Literature/Communication, Physical Education, Criminal Justice/Social Work, Education/Special Education and General Studies. A major is offered in Business Administration/Management.

Thus, the Weekend/Evening College offers the following for adult learners:

- Convenient course offerings
- Qualified, accessible instructors and advisors
- Financial aid/scholarships
- Extended operating hours for university resources
- Same admission requirements as traditional students
- Modern, well-maintained facilities
- State-of-the-art technology

For additional information on the Weekend/Evening College, contact

Director of Weekend/Evening College
Campus Box 943
126 K.E. White Graduate and Continuing Education Center
Phone: (252) 335-3147
FAX: (252) 335-3146
Email: wecollege@mail.ecsu.edu
Web: www.ecsu.edu

PLANNING, *Research, and Outreach*

The purpose of Planning, Research, and Outreach is to support the mission of the university by coordinating university planning and evaluation, institutional effectiveness, and community outreach. The unit will assist, when requested with data collection; analysis; dissemination; design and implementation of internal and external studies; preservation of records/archives; design and monitoring of assessment of effectiveness plans; and coordination of community outreach.

- Data collection, analysis, and dissemination;
- Design and implementation of internal and external studies;
- Design and monitoring of assessment and effectiveness plans; and
- Coordinating updates to the university's statistical profile

COMMUNITY DEVELOPMENT PROGRAM

The Community Development Program is supported primarily by grant funds from the U.S. Department of Housing and Urban Development (HUD). The mission of the program is to provide assistance to low-wealth families in Elizabeth City, Pasquotank County, and surrounding communities by addressing the pressing developmental needs of affordable housing, neighborhood revitalization, and economic opportunity. Community Development services are provided through housing assistance projects, information dissemination, on-site technical assistance, and a series of seminars and workshops.

The Community Development Program is designed with several goals in mind: (1) to expand home ownership and affordable housing opportunities; (2) to assist persons in obtaining decent, safe, and sanitary housing; (3) to increase awareness and compliance with fair housing laws; (4) to reduce drug abuse in local neighborhoods through education and outreach activities; (5) to expand economic opportunity through research, job training, and support for small/minority business development; (6) to maximize community development and redevelopment efforts by providing a broad range of technical assistance to local governments and neighborhood organizations; and (7) to provide practical learning experiences for students through internships and community service projects.

SMALL BUSINESS & TECHNOLOGY DEVELOPMENT CENTER

The Northeastern Regional Center

The Small Business and Technology Development Center (SBTDC) is an interinstitutional program established by The University of North Carolina, and approved by the Governor, to become the vehicle through which the federally authorized and funded Small Business Development Center (SBDC) program was made available to serve North Carolina's small business community. Since then, the SBTDC has become recognized as the primary organization through which the State of North Carolina provides counseling and technical assistance to the business community. The SBTDC is also recognized for its strong role in technology development and commercialization, limited high quality educational programs and services, first rate publications and business resources, and a strong advocacy role on behalf of small businesses.

The SBTDC functions as North Carolina's federal/state partner for the:

* National SBDC Program - Funded by the Small Business Administration (SBA)
* National Procurement Technical Assistance Center Program - Funded by the Defense Logistic Agency (DLA)
* National City/State Partnership Program - Administered by the Ex-Im Bank

As an inter-institutional program of the university, the SBTDC:

* Supports the university's public service mission
* Compliments the university's direct educational mission
* Facilitates technology transfer and commercialization
* Leverages substantial university resources

The fundamental mission is to support the growth and development of North Carolina's economy by encouraging entrepreneurship, assisting in the creation and expansion of small to medium-sized enterprises, and facilitating technology development and commercialization.

The SBTDC, headquartered in Raleigh, provides services to all 100 counties within the State through its 13 Regional Centers primarily located

on university campuses. The Northeastern Regional Center hosted by Elizabeth City State University is located in the Kermit E. White Graduate and Continuing Education Center. It also has a satellite office located on the campus of North Carolina Wesleyan College in Rocky Mount with a full-time staff presence. With these two offices, services are provided to the fifteen county area of Northeastern North Carolina.

The SBTDC helps businesses increase revenues, provides access to greater markets, increases operational proficiency, creates jobs, and commercializes technology. In addition to providing services, the SBTDC serves as a bridge between the business community and the university system, directly supporting the education mission of the university.

UNIVERSITY ARCHIVES

The ECSU Archives, begun in 1971, is the official repository for the records of administration, of departments, clubs and societies, and of persons involved in, or closely connected with the university. By collecting materials of the past, the Archives serves the present; and by collecting materials of the present, it serves the future. The Archives, then, is a bridge between the past and the future — a bridge comprising assorted forms of records, from paper and Teletype tape to photographs, university seals and computer printouts. Archives also contains an increasing quantity of records related to the community. This component also attends to records management procedures which include the retention and disposition of various records, including electronically generated records.

Academic policies & information

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ACADEMIC ADVISING

Each student is assigned a faculty advisor. This advisor meets with the student during Orientation, Pre-Registration, and when the student needs advice to help him/her select courses and to assist in planning his/her individual program of study. Once the student selects a major, he/she works with an advisor from the appropriate Department. However, the student is ultimately responsible for meeting his/her curricular requirements.

ACADEMIC HONORS

An Honor Roll is prepared at the end of each semester showing the names of those students who by diligence, industry, and scholarship earned a semester grade point average of 3.0 or above. The Honor Roll, which is also made up of students who are on the Chancellor's List and the Academic Vice Chancellor's List, is a special recognition of academic achievement.

THE CHANCELLOR'S LIST: This list is composed of the names of students who carried 12 semester hours or more and earned a semester average of 3.75 or above, with no grade lower than "B."

THE ACADEMIC VICE CHANCELLOR'S LIST: This list consists of the names of students who carried 12 semester hours or more and earned a semester average of 3.5 to 3.74 with no grade lower than "C."

THE HONOR ROLL: This list is composed of the names of students who carried 12 semester hours or more and earned a semester grade point average of 3.0 to 3.49. In determining other academic honors and awards, a student's cumulative grade point average is used. This is computed by dividing the total number of quality points earned by the total number of semester hours attempted, exclusive of authorized withdrawals and repeated courses.

CHANGE OF GRADE

Each instructor is expected to give permanent final passing or failing grades. Once a final grade has been reported to the Registrar's Office, it may be changed only upon the authorization of the Dean. A grade change is made by submitting a Change of Grade Form to the Dean. Concomitantly with filing the Change of Grade Form, the instructor also files a statement of explanation for changing the grade, signs it, and submits it to the Dean, who then reviews it. The Change of Grade Form is then forwarded to either the Provost and Vice Chancellor for Academic Affairs for approval or to the Academic Standards and Credits Committee for further review and evaluation. In some instances, the Academic Standards and Credits Committee may request the instructor to submit an additional explanation or to appear in person to justify the change of grade. This Committee will then make a recommendation to the Provost and Vice Chancellor for Academic Affairs for approval or disapproval of the request for the Change of Grade.

Any request for grade changes must be done within one calendar year from the date on which the initial grade was submitted to the office of the Registrar.

A change of grade, other than an "I" or "IP" grade, will not be approved during the last two semesters of the student's enrollment before graduation. Exceptions to this policy will be ONLY with the approval of the Academic Standards and Credits Committee. This policy also applies to "Repetition of Course Work."

CHANGE OF MAJOR/ADVISOR PROCEDURES

A student who decides to change or declare a major must secure the Declaration or Change of Major/Advisor Form from the Dean and follow the procedures on the form. The new major field should appear on the next grade report received by the student and advisor after the completed form has been submitted to the Registrar's Office.

CLASS ATTENDANCE POLICY

Elizabeth City State University recognizes that regular and punctual class attendance is essential to each student's academic performance. Although all learning does not take place in the formal classroom, classroom instruction is the primary vehicle for the delivery of knowledge to students, the evaluation of achievement, the forum for intellectual exchange, skill development, and the molding of attitudes which promote the attainment of goals resident in the teaching-learning process at ECSU. This policy is designed to encourage students to make the best grades of which they are capable, while discouraging absences. In short, all students are expected to attend all class meetings of all courses in which they are enrolled.

The maximum number of absences permitted by an instructor in a semester shall not exceed twice the number of times the course meets per week. The instructor shall not impose an absence limit

less than the number of times the class meets per week. No additional absences shall be allowed except in the most severe and unusual circumstances. Students involved in official university functions may need to make special arrangements with course instructors who are expected to cooperate while maintaining the integrity of their course requirements and of the university policy. Examples:

Courses meeting 3 times per week = 3–6 absences
Courses meeting 2 times per week = 2–4 absences

Instructors will prepare a course-specific policy to be used in each of their classes. Areas in which instructors are given discretion in determining how the attendance policy will be implemented are as follows: instructors will determine what action, if any, needs to be taken regarding make up of missed instruction, actual number of absences they will allow (see above), "official absences," and consequences for excess lateness and absences. Each attendance policy must be included in the course syllabus and be presented verbally to the class at the beginning of each semester. No office of the university will issue excuses to students.

Should a student exceed the allowable number of absences, the instructor has the option of informing the student (in writing) that a grade of "FA" will be turned in at the end of the semester. At this point, the student may wish to officially withdraw from the class.

Absence from class for any reason does not free the student from responsibility for materials covered during missed classes. It is the student's responsibility to make arrangements with each course instructor to acquire missed instruction in accordance with guidelines set forth in each course syllabus. It is the instructor's responsibility to provide reasonable assistance to students in making up missed instruction.

Failure to take announced tests or to submit assignments as scheduled constitutes a serious breach of academic procedure. Students will be allowed to make up missed tests or submit assignments late only with the consent of the instructor. Procedures covering final exams will remain as published.

Punctuality being an important component of a well run class, students are expected to be on time to every class. Late-arriving students should expect the instructor to make note of this. Consequences for consistent late arrival should be covered in the course syllabus. Instructors may record excessive lateness as an absence.

The instructor is expected to keep an accurate record of attendance in all classes. Instructors are also encouraged to keep students informed when they are in jeopardy of exceeding absence limitations and help them by counseling and encouragement to make a better effort to attend class regularly. This will apply with special emphasis in the case of freshmen.

When the instructor informs a student of an intention to turn in a grade of "FA" because of excess absences, the student may appeal. The appeal process begins with the instructor. Next, appeal may be made to the instructor's Department Chair, Dean, and finally, to an appeal board composed of faculty, administration, and students. All such appeals must be initiated within 14 days of the time the student is sent notification of the instructor's intention to turn in an "FA" grade. No appeal will be allowed after course grades have been submitted to the registrar.

CLASSIFICATION OF STUDENTS

Students are classified as freshmen, sophomores, juniors, and seniors.
Accumulated semester hours are used to determine these classification:

Freshmen:	From 0 Semester Hours to 29 Semester Hours
Sophomore:	From 30 Semester Hours to 59 Semester Hours
Junior:	From 60 Semester Hours to 89 Semester Hours
Senior:	From 90 and above

COMMENCEMENT EXERCISES

Elizabeth City State University has two Commencements: one ending the Spring Semester and the other ending the Fall Semester. Students completing their requirements during or by the end of the last term of Summer or Fall Semester will participate in the Fall Graduation Exercises. Those finishing at the end of the Spring Semester will participate in the Spring graduation ceremony. Finally, the student "Bearer of the Mace" will function during the Fall and Spring ceremonies.

COMMENCEMENT HONOR MARSHALS

Ten students representing each classification exclusive of seniors, who are enrolled as full-time at the end of the Spring Semester and matriculating for a

degree at Elizabeth City State University, are selected as Commencement Honor Marshals. These students must have the highest grade point average in their respective classifications. For the purpose of determining the classification for transfer students, the total number of credit hours earned at ECSU is added to the total credit hours earned at other institutions.

COURSE LOAD

Elizabeth City State University students normally take four or five courses per semester. Because the majority of courses carry three semester hours of credit with some carrying four semester hours of credit, this works out to 15 or 16 hours per semester. Students may not take more than 18 hours per semester except with the approval of the Dean.

In special cases students with a cumulative grade point average of 3.25 or above may be authorized, with the approval of the Dean, to carry up to a maximum of 21 semester hours. Students returning after suspension will have a limited class load of not more than 12 semester hours during the first semester of readmission and must maintain a 2.3 semester grade point average until they have satisfied the minimum scholastic average requirement.

Students with previous cumulative grade point averages below "C" or 2.0 may not register for more than 15 semester hours of credit. A student must be enrolled for 12 hours to qualify for full-time certification to any organization.

CREDIT & PLACEMENT REGULATIONS

Transfer Credit, Transient Credit, College Level Examination Program, General and/or Subject Examination Credit, Armed Forces Services School Credit, Correspondence Credit and Extension Credit are coordinated through the Office of Admissions and the Office of the Registrar.

Elizabeth City State University will accept up to 48 semester hours from the aforementioned programs excluding transfer credit from other accredited institutions.

The number of credits which can be accepted in transfer from a two-year institution is limited to 65 semester hours. All transferable work completed in residence at an accredited four-year institution of higher education is not limited to 65 semester hours provided the student has earned a grade of "C" or better in each course.

A minimum of 30 semester hours at the upper level applied toward a bachelor's degree must be earned through regular enrollment in courses at the university. These 30 semester hours must include a minimum of 15 semester hours of credit in junior/senior-level courses in the major field.

DOUBLE MAJOR

A student may complete a major in two separate disciplines by fulfilling course requirements for each major. Students desiring to carry a double major will be advised in both majors by the advisors in the respective Departments of each.

EXTENSION CREDIT

Credit earned through extension classes is considered off-campus credit and may be used to satisfy degree requirements when approved in advance by the Chairperson of the student's major Department and the Dean of the appropriate school. A student must file a request with the Department Chairperson and the Dean for Academic Affairs, obtain the approval of both Department Chairperson and Dean for Academic Affairs prior to taking the off-campus course, and earn not less than a "C" grade in the course to be granted credit for it. No more than 24 semester hours of extension credit may be used toward fulfilling degree requirements.

FINAL EXAMINATIONS

Final examinations are required in all courses and are held at the close of each semester. There will be no departure from the printed schedule of examinations. Changes for individual emergencies will be made only with the approval of the instructor, the Chairperson, and the appropriate Dean. A student who is absent from an examination without an excuse will be given the grade of "F" for the examination. An Incomplete will be given in the case of a student being absent from the final examination who presented a satisfactory excuse to the instructor, approved by appropriate Dean.

GRADE REPORTS

Students are required to view mid-semester grades electronically. Each faculty member is expected to have a continuous dialogue with students involved so that students will be continuously cognizant of their performance in class. Mid-term deficiency reports will be issued from the instructor to the student with copies to the Department Chairperson, the student's advisor, and the Dean.

Grade reports are available electronically at the end of each semester and issued at the close of each

summer school session. Semester final grades are recorded electronically by each instructor, not later than 48 hours after each examination in a course is given. Each instructor is expected to be available on a full-time basis in his or her office for consultation with students and to assist the Department Chairperson during final examination week.

In the event of an emergency in which an instructor is unable to administer final examinations or to compute and record final grades, the Chairperson of the Department concerned is authorized to make arrangements for the final examination(s) and the computation and recording of final grades.

Students and Advisors may view grades electronically for all semesters.

GRADING SYSTEM

A Designates work of exceptionally high quality. The "A" grade represents the highest level of academic attainment; it is given only for work of the highest quality.

B Designates work which is above average and of good quality. The "B" grade represents a high level of academic attainment; it is given for work which is above average but lacks the high quality of "A" work.

C Designates work which is satisfactory and of average quality. The "C" grade represents an adequate level of academic attainment; it is given for work which is acceptable but lacks the superior quality of "B" work.

D Designates work of less than satisfactory quality. The "D" grade represents a minimal level of academic attainment; it is given for work which is less than average in quality but is at least of sufficient quality to meet minimum standards in most courses and thus carries credit. However, in GE 100 Grammar and Composition, GE 102/103 or 104/105 Composition and Literature I/II, and courses within the Professional Education sequences, grades of "D" work do not meet the minimum standards and must be repeated.

F Designates work of such unsatisfactory quality that no credit is awarded.

FA Failure due to absenteeism.

I Indicates that the student may have maintained a passing average, but for reasons beyond his or her control, some specific performance such as an examination, a report, a notebook, or experiments has not been completed. An instructor should give a student an "I" grade ONLY for a justifiable reason. An "I" grade carries no quality points and is computed in the student's grade point average.

IF Indicates an incomplete grade that was changed to a failing grade by the Registrar's Office after the designated time had expired for the change. An "IF" grade carries no quality points and is computed in the grade point average.

IP Indicates that the student has not completed the Senior Honors Thesis/Project or has not passed the PRAXIS to exit EDUC 400. This grade is awarded only for students enrolled in HON 494 Senior Honors Colloquium. Students may take two semesters to complete the Senior Colloquium Thesis/Project with an "IP" (In Progress) grade for the first semester. Students may take three semesters to complete EDUC 400.

WA A "WA" grade will be assigned to a student who has been administratively withdrawn from a course or the university for disciplinary reasons and/or under special circumstances wherein administrative approval is required.

W Withdrawal. The grade of "W" is given to indicate withdrawal from a course by the designated deadline.

WD Withdrawal from the university.

WP Withdrawal Passing. The grade of "WP" is given to indicate withdrawal from a course with work of passing quality.

WF The grade of "WF" is given to indicate withdrawal with work of a failing quality.

Plus or minus signs are not recognized in computing and recording official passing grades at Elizabeth City State University.

GRADUATION HONORS

Graduation Honors Policy

(Effective Fall Semester 2001)

Degrees with distinction are awarded to graduating seniors in the following categories:

Cum Laude for GPA 3.25 through 3.59

Magna Cum Laude for GPA 3.60 through 3.79

Summa Cum Laude for GPA 3.80 through 4.0

To be eligible for degrees with distinction, a student must have earned at least 60 semester hours in residence at Elizabeth City State University. The student must also have the required overall aver-

age in all course work attempted and at least a 3.0 average in all transfer courses.

Any decision about Graduation Honors not stated above is to be addressed by the Academic Standards and Credits Committee.

GRADUATION REQUIREMENTS

Elizabeth City State University awards the bachelor's degree to students who have satisfactorily fulfilled the following graduation requirements:

1. completion of all General Education courses as prescribed by the university for all students;
2. have an overall **and** major grade point average of 2.0, **respectively**;
3. completion of all courses and other requirements prescribed by the major Department (For specific Department or program requirements, see individual sections as described in this catalog.);
4. a record of having taken and completed the required examinations or approved equivalents for exiting the program of study;
5. demonstration of personal and professional qualities which are expected of an educated person, as verified or affirmed by the appropriate university officials;
6. approval and recommendation by the Department and general faculty as a worthy candidate for graduation;
7. filing of an Application for Graduation for the Fall by September 15, Spring Semester by November 15, and the Summer by April 15 in the Office of the Registrar;
8. meeting all financial obligations to the university through the Office of Business and Finance; and
9. meeting the residence requirements of the university.

Presence of candidates for degrees is required at graduating exercises, except when permission for graduating **in absentia** has been granted by the Provost and Vice Chancellor for Academic Affairs. A written request for permission to graduate **in absentia** must be made at least 10 days prior to Commencement Day.

It is the sole responsibility of each candidate for graduation to meet with the academic advisor of the major Department and have his or her academic record evaluated for the purpose of finding out whether all institutional and departmental requirements for graduation have been met.

All Teacher Education Majors must take all parts of the PRAXIS SERIES and have the scores on file in the Registrar's Office at least 10 days prior to Commencement Day.

INDEPENDENT STUDY

Independent study must have final approval of the Dean of the appropriate school before course work begins.

INDIVIDUAL STUDY

Individual Study is the pursuit of a regularly listed course by a student without attending classes on a regular basis. The student who wishes to pursue a course by individualized study may be enrolled in the Cooperative Education Program and must have secured permission of the Department Chairperson and instructor of the Department in which the course is offered. Individualized instruction must have the final approval of the Dean of the appropriate school before the course begins.

MILITARY SCHOOL CREDIT

Credit for courses taken in military schools or military experience is based on recommended credit for military courses in the Guide to the Evaluation of Educational Experience in the Armed Services compiled by the American Council on Education. The individual seeking credit for military service and experience must submit official evidence of having completed the training, experience, or education while in service for each course in which he/she is requesting a course substitution in a curriculum at Elizabeth City State University. No more than **24** semester hours may be used toward fulfilling degree requirements. A grade of "C" or higher must have been earned in each course to be accepted at Elizabeth City State University.

PROCEDURES FOR EVALUATION OF TRANSFER CREDITS

A preliminary evaluation of transfer credits is completed at the time a transfer student is accepted. After all official records are received directly from each institution previously attended, the final evaluation of record(s) is made to determine how many credits are transferable. Final acceptance of transferred credits toward graduation requirements at Elizabeth City State University will be determined by the academic Department in which the student majors. No course will be accepted for transfer credit in which a grade of less than "C" was earned.

All courses accepted for transfer credit which are required by the major must have been earned within six years prior to transfer and/or knowledge must be measured through examination.

QUALITY POINT SYSTEM

A grade (quality) point system based on all hours attempted at Elizabeth City State University is used to calculate students' Academic Achievement. Grade symbols currently in use for all undergraduate courses are: **A**-Excellent, **B**-Good (above average), **C**-Average, **D**-Poor (passing but not satisfactory in some Departments), **F**-Failing (course must be repeated to earn credit), **I**-Incomplete, **IP**-Incomplete Passing, **IF**-Incomplete Failing.

Quality points are computed by multiplying the number of semester hours credits by four for courses in which a grade of A is earned; by three for a grade of B; by two for a grade of C; and by one for a grade of D. No quality points are given for grades of "I," "F," "IF," "IP," "FA," "W," "WA," "WP," "WF," "WD," and they are not counted in the hours attempted and not computed in the cumulative GPA except for the grade of "I," "F," "IF," and "FA." Elizabeth City State University does not recognize plus or minus.

The grade point average is obtained by dividing the total number of quality points earned by the total number of semester hours attempted. **EXAMPLE:**

Course	Grade	Quality Hours	Quality Points
EDUC 202	A	2	8
ENGL 301	B	3	9
ECON 202	C	3	6
TECH 101	D	1	1
MATH 157	F	3	0
CHEM 101	W	0	0
		12	24

(24 divided by 12 = 2.0)

REEXAMINATIONS

Reexamination (final) for the purpose of removing a failure is permitted only in the case of graduating seniors who were passing the course at the time the examination was given. The reexamination must be submitted and grade recorded in the Registrar's Office in time for the student to be placed on the graduation list for that term.

REMOVAL OF "I" GRADES

A grade of "I" is to be assigned only when a small portion of a course requirement has not been completed, i.e., the final exam, one major exam, completion of a term paper or class project, or part of the requirement of a laboratory. A grade of "I" may not be assigned to improve a grade.

When a grade of "I" is assigned, a detailed description of the work to be completed must be determined by the instructor and provided to the student and the Chairperson. An "I" grade may not be removed by repeating the course.

An incomplete earned in any given term (Fall, Spring, Summer) must be removed by the end of the eight weeks of classes during the next regular semester (see Academic Calendar). If not removed, the grade of "I" will be automatically changed to a grade of "IF."

REPEATING OF COURSES POLICY

Students who receive a grade of "C" or better in a course may not repeat that course for credit towards completion of the requirements for the degree they are pursuing. Students who receive a grade of "D" or "F" in a course taken at Elizabeth City State University may repeat the course if any of the following apply:

1. The course is specifically required by the student's academic major and/or the Honors Program and a grade of "C" is also required or is a prerequisite for another course in the major.
2. Repeated registration in a course may be allowed if the course description carries the statement, "may be repeated" or "repeated to a maximum of credits."

Should six or more years have elapsed since a student's initial enrollment in any course, and current knowledge of the course content be needed, the Department may require the student to repeat the course.

A student may repeat a given course only twice. The student may repeat a maximum of 15 semester hours during his matriculation toward a degree.

All grades received will be recorded on the student's permanent record. But only the higher grade will be used in computing the grade point average. To repeat a course, a student must obtain a **Repeat of Course Form** from the Registrar's

Office prior to registering for the course indicating permission has been granted by the student's faculty advisor, Departmental Chairperson and the Dean of the appropriate school.

A course repeated may be taken at ECSU or, with prior approval, at another four-year institution.

Appeals or request for waiver of any of the terms associated with this policy may be made to the university's Academic Standards and Credits Committee.

RESIDENCE REQUIREMENTS

A minimum of 30 semester hours of credit at the upper level applied toward a bachelor's degree must be earned through regular enrollment in Elizabeth City State University courses, including a minimum of 15 semester hours of credit in junior/senior-level courses in the major field.

A student, who does not graduate with the class with which he or she enters, may meet ECSU requirements for graduation as stated in the university catalog in effect for the year entered, if graduation occurs within six years. Otherwise, the student will be expected to meet the requirements as stated in the ECSU catalog in effect at the time of reentry if he or she returns as a full-time degree student. If he or she returns as a part-time student, the student will be expected to meet the requirements as stated in the ECSU catalog in the year in which work is begun on the final 15 hours.

SECOND BACHELOR'S DEGREE

Students already possessing a bachelor's degree from ECSU or from other institutions who are accepted to work toward another undergraduate degree at Elizabeth City State University must meet the university's regular graduation requirements in the discipline area, beyond the General Studies requirements for that major. A minimum of 30 semester hours must be earned in accordance with the residence requirement by regular enrollment in Elizabeth City State University. A grade point average of 2.0 must be obtained and the student must meet the requirements in the major as specified by the Department Chairperson.

SEMESTER CREDIT HOURS

All course offerings are evaluated in terms of the unit of semester credit hour. A semester credit hour normally represents the completion of a course involving 50 minutes of lecture, recitation, reports, or a combination of directed learning activities each week for a semester. Thus, courses meeting for three class hours per week, or two times per week at one hour and 20 minutes, normally yield three semester hours of credit. Normally, two hours per week of laboratory work in freshman and sophomore courses allow a student to earn one semester hour of credit. Junior- and senior-level courses allow a student to earn one semester hour of credit for three to four hours of laboratory work.

STUDENT CONDUCT

Students enrolled at Elizabeth City State University are expected to maintain high standards of honor, scholastically and morally. Self-discipline should be the primary goal of each student. Registration at the university implies the student's acceptance of the published rules and regulations as stated in the Student Handbook and other university publications.

The integrity and behavior of students will reflect upon themselves, their families, and Elizabeth City State University. Students are also expected to respect the rights and privileges of others, and abide by the laws of the city, state, and nation, and by all of the rules and regulations of Elizabeth City State University.

Students should avoid all forms of SCHOLASTIC DISHONESTY, such as the following:

1. PLAGIARISM. Copied work, word for word, or in substance, from the writings of others and presented as one's written work for credit. It is always assumed that the written work offered for credit is the student's own unless proper credit is given the original author.
2. COLLUSION. Working with another person in the preparation of notes, themes, reports, or other written work offered for credit unless collaboration is specially approved in advance by the instructor.
3. CHEATING ON EXAMINATION OR QUIZ. Giving or receiving, offering or soliciting information, or using prepared material in an examination or a quiz. When taking an examination or quiz, students are expected to refrain from talking, bringing notes and books, and remain in the room until the examination is finished unless the instructor approves of the student's leaving after finishing the examination or quiz.
4. IMPERSONATION. Allowing another person to attend classes, take examinations, or do grade

assignments for an enrolled student under his or her name is strictly forbidden.

Incidents of academic dishonesty, which are reported to and affirmed by the Academic Standards and Credits Committee, will result in punitive measures ranging from issuing a grade of failure to expulsion from the university. The action taken will be in accordance with the severity of the act as adjudicated by the parties which are responsible for administering this policy, namely the Academic Standards and Credits Committee and the Provost and Vice Chancellor for Academic Affairs.

STUDENT'S APPEAL OF COURSE GRADE

A student, after conference with the instructor involved and Department Chairperson, may present in writing to the Chairman of the Academic Standards and Credits Committee an appeal regarding the course grade given within one year from the date the original grade was received. The Chairperson of the Academic Standards and Credits Committee refers all appeals of course grades to that Committee and the Chairperson of the Department in which the course was offered. No change of grade is made except as a result of the recommendation rendered by the Academic Standards and Credits Committee to the Provost and Vice Chancellor for Academic Affairs who then authorizes the change.

SYLLABI & OUTLINES

Course syllabi are required in all courses. They should be distributed to all students enrolled in the course, to the Office of the Dean's office, and Department Chairpersons. These distributions should take place by the end of the first week of each semester.

TEXTBOOKS

Textbooks or their equivalents are required in all courses. Students are expected to have secured textbooks and other necessary equipment and supplies for each course by the end of the second week after the beginning of each semester. An instructor may reserve the right to require every student enrolled in his or her course to possess textbooks, equipment, supplies, and uniforms necessary for the work of the course.

TRANSIENT CREDIT

Course work undertaken by Elizabeth City State University students at other accredited institutions may be transferred to the university subject to the following regulations:

1. The university is not obligated to accept any credit from another institution unless the student has obtained initial approval from the Department Chairperson. A Permit for Transient Study form should be completed and submitted to the Provost and Vice Chancellor for Academic Affairs for approval.
2. No student with a cumulative grade point average below 2.0 on a 4.0 scale will be allowed to take courses at another institution; such credits are unacceptable at Elizabeth City State University.
3. No grade below "C" will be accepted; quality points will be honored on the 4.0 point grading system.
4. The student must request that an official transcript be mailed to the Registrar's Office upon completion of the course.

Students who have attained senior status may not attend a junior college, community college, or a technical college or institute and receive credit toward graduation at ECSU. Exceptions to this rule must be authorized by the Provost and Vice Chancellor for Academic Affairs.

WAIVERS AND SUBSTITUTIONS

Waivers and substitution of courses, program requirements, and academic regulations are permissible with the proper approval. Only under unavoidable and exceptional circumstances will the advisor permit substitution or exemption from a prescribed course of study established by an academic Department. If it becomes necessary to substitute courses or alternate from the prescribed course of study, the student must consult the academic advisor or the Chairperson of the student's major. The Department Chairperson will petition by letter to the Registrar for such substitutions and state the reasons for the request. Course substitutions for upper-level courses MUST be similar in content. Waivers or substitutions at the departmental level which impact the total number of hours required for graduation, or in the major, must have the approval of the Provost and Vice Chancellor for Academic Affairs.

Transfer students, upon entering the university and declaring a major, must present to the Registrar their course substitution forms approved by their Department Chairperson.

Substitution should not be confused with waiver. Substitution is an option to meeting a requirement, while waiver implies exemption. The student is expected to complete the total number of hours required for the major even though a requirement is waived.

OFFICE OF *The University Registrar*

STUDENT RECORDS PRIVACY POLICY

The university's policy for the administration of student educational records is in accordance with the provisions of The Family Educational Rights and Privacy Act of 1974 (P.L. 93-380) as amended. Personally identifiable information contained in students' educational records will not be disclosed to persons outside the university without the prior written consent of the student. Under this policy the student also has a right of access to his/her education records maintained by the university or any Department within the university. A copy of the university's policy dealing with the Privacy of Student Educational Records is maintained in each area of the university. Each member of the faculty should be thoroughly familiar with this policy and comply with its provisions.

CHANGE OF NAME & ADDRESS

It is the obligation of every student to notify the Office of the University Registrar of any change of name or address.

TRANSCRIPTS OF RECORDS

Transcripts are issued to students by the University Registrar's Office. All requests for transcripts must be in writing and must include the student's signature. Valid picture ID is required for personal pick up of official copies and/or unofficial transcripts. Official transcripts will be mailed. **Unofficial and/or official** copies may be released to the requestor. **If requesting a transcript by mail**, request should reach the University Registrar's Office at least one week before the transcript is needed. A fee of $5 per copy should accompany requests for an official transcript.

Please provide the following information when requesting an official transcript or official transcript copy:

1. Student ID number/Name/Address
2. Date(s) of enrollment
3. Graduation date
4. Address of agency to receive transcript

Official/Unofficial transcripts: $2 per copy for enrolled students.

Requests for transcripts should be sent to:

Elizabeth City State University
Office of the University Registrar
Campus Box 953
1704 Weeksville Road
Elizabeth City, North Carolina 27909

INDEBTEDNESS

All indebtedness to the university must be satisfactorily settled before a diploma or transcript will be issued.

PRE-REGISTRATION

Pre-registration is a period during which the student and advisor review and plan courses for the upcoming semester. Pre-registration is required of all enrolled students. **A pre-registration late fee of $100 will be assessed to the student's account for failing to pre-register.**

Students who register early and **fail** to confirm courses and pay fees by the dates designated for official registration will have their schedule of courses automatically withdrawn by the University Registrar's Office. Those students who find it necessary to register after the designated dates must pay a late registration fee and select another schedule of courses for that semester.

A student is not registered until he/she has met all financial obligations to the University.

A student can not attend classes if he/she is not properly registered for that course and section. Failure to follow proper registration procedures will result in loss of credit. Students whose names are not on the instructor's class roll for each class must contact the University Registrar's Office.

PROGRESS TOWARD GRADUATION IN FOUR YEARS

To graduate in four years, the student must successfully complete all graduation requirements and an average annual course load of 31 semester hours. This course load requires the student to take approximately 15-16 hours per semester or earn hours through summer enrollment.

REGISTRATION

All students must register at the beginning of each semester and/or summer term; registration by proxy is not permitted. Each student is assigned a faculty advisor to assist in planning a study program. Complete registration instructions are contained in the schedule of classes printed each semester and/or summer term. Students are registered for and entitled to attend classes only when they have completed prescribed procedures, including payment of fees. Students not registered by the designated date must pay a $25 late registration fee.

Students planning to return to the university after an absence of less than two years or after earning a degree are required to notify the Office of the Registrar to obtain readmission status.

Official registration days for each semester and each term of Summer School are indicated on the University Calendar.

CANCELLATION OF COURSE REGISTRATION POLICY

The University Registrar or a Department Chairperson (upon the recommendation of the instructor) **may cancel** a student's registration in any course in that Department if the registered student fails to attend the **first three class meetings** and **fails** to notify the instructor of a desire to remain enrolled within 24 hours of the fourth class time.

The appropriate Dean's office should notify the relevant Department Chairperson of late-arrival students who cannot attend the first class meeting because of illness or other reasons approved by the Provost and Vice Chancellor for Academic Affairs, University Registrar, and/or Vice Chancellor for Student Affairs.

CHANGE OF COURSE SCHEDULES

A student is responsible for the schedule of courses for which he/she has officially registered; therefore, the program of study should be carefully planned with the guidance of the academic advisor so that changes in registration will not become necessary at a later date. A student may drop and/or add courses or change course sections with the approval of the advisor until the close of the official add/drop period. This must be done through the University Registrar's Office with the use of the Change of Schedule form.

ADDING & DROPPING COURSES

If a course is dropped within the first five days of the semester, the course will not be listed on the student's schedule of courses. Withdrawal from a course or courses after the above deadline will cause the course to be listed on the student's grade report, and will be counted and indicated with a grade of "W." Withdrawal from a course after Mid-Term is indicated with a grade of "WF" (withdrawal failure) or "WP" (withdrawal passing).

Courses may be added to a student's schedule during the first five days of the semester. A student wishing to add a course after this date must receive the approval of the Dean, the Academic Advisor, course instructor, and University Registrar.

AUDITING COURSES

A regular full-time student may audit two courses in a given semester with written agreement from each instructor, the faculty advisor, and approval of Departmental Chairperson. He or she must register officially for the classes he/she desires to audit. Preparation and participation in the classroom discussion and laboratory exercises will be at the discretion of the instructor. Students auditing courses are not required to take examinations or tests; however, they may do so if desired. The student receives no credit; change may be made from audit to credit or vice versa before the 10th day of classes for that semester. The auditing form is available in the University Registrar's Office or from the Department Chairperson.

ACADEMIC ELIGIBILITY STANDARDS

The cumulative grade point average (CGPA) compared to the semester hours attempted and earned are used to determine the academic standing of a student. After the completion of two semesters and/or 24 semester hours, whichever comes first, evaluations are made to determine the academic standing of students. To determine the academic eligibility of transfer students, total credit hours accepted from other institutions are added to the credit hours attempted and credit hours earned at Elizabeth City State University. Students are expected to maintain awareness of their academic standing by obtaining periodic assistance from their assigned academic advisors and/or the University Registrar's office. The minimum Satisfactory Academic Progress (SAP) requirements are as follows:

SEM. HOURS EARNED	MINIMUM CGPA
24	1.45
48	1.60
72	1.75
96 and over	2.00

ACADEMIC ELIGIBILITY REQUIREMENTS FOR ATHLETES

The Academic Athletic Compliance Office helps to monitor the academic progress of each student athlete as it relates to NCAA, CIAA and institutional rules and regulations. The following are examples of rules applying to a student's academic progress:

1. All student athletes must be enrolled in no fewer than 12 semester hours (full-time) during the Fall and Spring semester to be eligible for practice, competition, and financial aid.
2. Student athletes must earn or average no fewer than 24 applicable semester hours during a calendar year, of which 18 must be during the academic year.
3. Before the end of the second year (fourth semester) of enrollment, each student must designate or declare a major field of study and make satisfactory progress toward that degree.
4. Student athletes must meet ECSU and NCAA minimum cumulative grade point averages in order to compete.
5. In order to determine athletic eligibility, all freshman students must be approved through the NCASA Initial-Eligibility Clearinghouse.

ACADEMIC SANCTIONS

Students with a cumulative grade point average below required standards must limit their course loads to 12 semester hours and are subject to academic probation for the first occurrence and academic suspension for the second occurrence. Students have the right to appeal academic suspensions if they are of the conviction that failure to maintain the minimum cumulative grade point average for continued enrollment was due to extenuating circumstances. If the appeal is approved, students may apply for readmission to the university by adhering to the following procedures:

Step I . . .

Students seeking readmission must write a letter, with appropriate documentation, to the Provost and Vice Chancellor for Academic Affairs at least four (4) working days before the official late registration period ends.

Step II . . .

Students must secure a letter containing an approved schedule of classes (not to exceed 12 semester hours) from their academic advisor or Department Chairperson.

Step III . . .

The decisions of the Provost and Vice Chancellor for Academic Affairs are final and will be forwarded to the Office of the University Registrar for implementation.

NOTE: Students placed on academic suspension or granted an appeals approval must submit a written letter of appeal to the Financial Aid Appeals Committee for reinstatement of financial assistance.

Students returning after suspension will have a limited class load of not more than 12 semester hours during the **first semester of readmission** and **must maintain a 2.3 semester grade point average** until they have satisfied the minimum scholastic average requirement.

Students who have been suspended a second time for academic reasons may not apply for readmission within a minimum of one calendar year from the date of suspension.

Students who have been suspended a third time for academic reasons are permanently suspended unless special permission is granted for readmission by the Provost and Vice Chancellor for Academic Affairs. A student who fails to achieve a 2.0 cumulative grade point average by the end of the tenth semester of enrollment is also permanently suspended unless special permission is granted for readmission by the Provost and Vice Chancellor for Academic Affairs.

CHANGE OF MAJOR/ADVISOR PROCEDURES

A student who decides to change or declare a major must secure the Declaration or Change of Major/Advisor Form from the Office of the Provost and Vice Chancellor for Academic Affairs and follow the procedures on the form. The new major field should appear on the next electronic transcript viewed by the student and advisor after the completed form has been submitted to the University Registrar's Office.

TUITION SURCHARGE

All undergraduates seeking a baccalaureate degree at Elizabeth City State University will be subjected to a 25% tuition surcharge if they take more than 140 credit hours to complete a four-year degree program or more than 110% of the required credit hours to complete an officially designated five-year program.

WITHDRAWAL FROM CLASSES

Any student who officially registers for a course must attend or drop the course by use of the Change of Schedule Form secured from the University Registrar's Office and execute the proper procedures within the designated time. A student who does not officially withdraw from a course receives an "FA" grade for the course at the end of the session and/or semester. Students may administratively withdraw from a course or courses with written approval from the Provost and Vice Chancellor for Academic Affairs.

WITHDRAWAL FROM THE UNIVERSITY FOR UNDERGRADUATE STUDENTS

All students who are officially registered for classes and who wish to withdraw from the university must complete the withdrawal procedure at least two weeks prior to final exam week. Withdrawals are processed in the Counseling Center. Students receive exit counseling and are advised of the procedures to follow for any financial obligations. Instructors will record a grade of "WD." A student who is registered for classes and does not officially withdraw from the university will receive a grade of "FA." Students may administratively withdraw from the university with written approval from the Vice Chancellor for Student Affairs.

VETERANS ACADEMIC STATUS

Effective Fall Semester 2002, students receiving Veterans Educational Benefits do so in accordance with the probation/suspension policy. Benefits will be paid for one semester while the student is in the probationary status. Retroactive benefits will not be paid if the cumulative grade point average increases to the required level. The veteran or other eligible recipient will be recertified at the beginning of the next semester of enrollment for educational benefits only after a cumulative grade point average of 2.0 has been achieved. Termination will continue to occur anytime the cumulative grade point average falls below 2.0. If a student receiving Veteran benefits earns grades of "I" and "F" and the last date of attendance in class is prior to the ending date of the semester, the student will be in overpayment with the VA if he/she does not have 12 approved full-time credit hours remaining to satisfy the enrollment status required by the Veterans Administration. Students should notify the VA Certifying Official of a change in major or if the course load drops below 12 credit hours.

Division of academic affairs

Organization

Degrees Offered

Course Abbreviations

Organization

The Academic Units of the university consist of four Schools, and 17 Departments under the administrative leadership and supervision of the Provost and Vice Chancellor for Academic Affairs, Deans, Department Chairpersons, and Academic Directors. The Schools and Departments offer various curricula leading to the degree of Bachelor of Science in Education, Bachelor of Science, Bachelor of Arts and Bachelor of Social Work. The Academic Schools, and Departments are as follows:

DEPARTMENT OF MILITARY SCIENCE

DEPARTMENT OF GENERAL STUDIES

SCHOOL OF ARTS AND HUMANITIES

- Department of Art
- Department of History and Political Sciences
- Department of Language, Literature, and Communication
- Department of Music
- Department of Social Sciences

SCHOOL OF BUSINESS AND ECONOMICS

- Department of Accounting, Finance, and Economics
- Department of Management and Marketing

SCHOOL OF EDUCATION AND PSYCHOLOGY

- Department of Education
- Department of Health and Physical Education
- Department of Psychology

SCHOOL OF MATHEMATICS, SCIENCE AND TECHNOLOGY

- Department of Biology
- Department of Geological, Environmental and Marine Sciences
- Department of Chemistry and Physics
- Department of Mathematics & Computer Sciences
- Department of Technology

DEGREES OFFERED

The successful completion of academic units and general institutional requirements qualifies a student to receive one of the baccalaureate degrees offered by ECSU. All baccalaureate degree and discipline area programs are defined in terms of major, related area courses, concentrations/specializations, academic concentration, and/or minors. Listed below are the operational definitions for these:

1. **MAJOR** — A major consists of a group of prescribed and elective courses providing breadth and depth in an academic discipline, two or more closely related disciplines, or in an interdisciplinary field of study. All majors at ECSU are defined in terms of a specific number of semester hours which may range from 30 to 48 semester hours.
2. **RELATED AREAS** — The requirement of a major in one discipline may include supporting (related areas) courses selected from other disciplines. For each major, such courses must be defined in terms of a specific number of semester hours which may range from 6 to 15 semester hours.
3. **CONCENTRATION/SPECIALIZATION** — A concentration is a student's option within a major that consists of a group of prescribed courses designed to provide preparation in a specialty within the major discipline or tangential to it. Concentrations are required in some majors. Each concentration must be defined in terms of a specific number of semester hours and this number is a part of the total number of hours required for the major. The number of hours for a concentration may range from 12 to 18.
4. **ACADEMIC CONCENTRATION** — An academic concentration is a group of prescribed courses in an academic discipline. It differs from a major principally in requiring fewer courses and providing less depth. It is offered to students ma-

joring in Physical Education and Health, Elementary Education, and Special Education. An Academic Concentration has a specific number of semester hours which range from 24 to 27.

5. **MINOR** — A minor consists of a group of prescribed and elective courses in an academic discipline, two or more related disciplines, and interdisciplinary fields of study, or a specially designed individual program. It differs from a major principally in requiring fewer courses and providing less depth. A student may not major and minor in the same field. All minors at ECSU are defined in terms of a specific number of semester hours which may range from 18 to 24 semester hours. The exception is Secondary Education ranging from 24 to 31 semester hours.

Bachelor of Science Degree

Accounting
Aviation Science
Biology
Business Administration
Chemistry
Physics
Psychology
Marine Environmental Science
Criminal Justice
Geology
Industrial Technology
Mathematics
Computer and Information Sciences
Health & Physical Education
Music Industry Studies
Graphic Design

Bachelor of Arts Degree

Art
Communication Studies
English
History
Music
Political Science
Sociology

Bachelor of Social Work

Social Work

Bachelor of Science in Education Degree

Birth–Kindergarten (BK)
Elementary Education
(Kindergarten through sixth grade)
Special Education (under review)
(Kindergarten through twelfth grade)
Middle Grades Education
(Sixth through ninth grade)

Bachelor of Science Degree with Teacher Licensure

Biology
Chemistry
Mathematics
Physical Education

Bachelor of Arts Degree with Teacher Licensure

Art (Minor in Education K–12)
English
Music (Minor in Education K–12)
History

Academic Concentration Options

Art
Biology
English
General Science
Mathematics
Music
Psychology
Social Sciences

Minors/Concentrations

Accounting
Administrative Services (C)
Airway Science
American History
Applied Statistics
Applied Mathematics
Applied Music
Art
Art Therapy
Athletic Coaching
Aviation Science
Banking and Finance (C)
Biology
Biophysics
Biotechnology
Black Studies
Business Administration
Cellular Biology (C)
Chemistry
Coaching and Sports
Computer Graphics
Computer and Electronics
Computer Science
Computer Networking
Correctional Recreation
Corrections
Criminal Justice
Drama (C)
Ecology
Economics and Finance (C)
Education K-12
Electronics
English
Environmental Science
French
Geology
GIS/Remote Sensing
Graphic Design
Gerontology (C/M)
Health
Hospitality Management (C)
Industrial Technology
Juvenile Justice
Management (C)
Management and Information Systems (C)
Marine Science
Marketing (C)
Mathematics
Mass Communications (C)
Mechanical and Manufacturing
Medical Physics
Military Science
Modern Languages
Money and Banking (C)
Museum Studies
Music
Music Business Administration (C)
Music Engineering and Technology (C)
News Media (C)
Office Administration (C)
Physical Education
Physics
Political Science
Pre-Law
Professional Secondary Education
Pre-Medical Technology
Pre-medicine/ Pre-dentistry (C)
Pre-Occupational Therapy
Pre-Physical Therapy/ Pre-medicine
Public Administration
Public History (C)
Psychology
Sociology
Speech/Drama
Spanish
Speech Pathology (C/M)
Statistics
Studio Art

*(C) implies concentration

COURSE *Abbreviations*

Elizabeth City State University has established the following set of standardized abbreviations for its Departments and courses. These abbreviations should be used in making out class schedule forms and at times when referring to specific course offerings.

STANDARDIZED FIELD OF STUDY ABBREVIATIONS

ACCT	—	Accounting
ART	—	Art
ARTH	—	Art History
AVI	—	Aviation Science
BAHM	—	Hospitality Management
BFIN	—	Banking and Finance
BIOL	—	Biology
BMIS	—	Management Information Systems
BTEC	—	Biotechnology
BUAD	—	Business Administration
BUED	—	Business Education
CHEM	—	Chemistry
CJ	—	Criminal Justice
CONT	—	Continuing Education
COOP	—	Cooperative Education
CR	—	Correctional Recreation
CSC	—	Computer And Information Science
DRAM	—	Dramatic Arts
ECOL	—	Ecology
ECON	—	Economics
EDUC	—	Education
ELEM	—	Elementary Education
ENGL	—	English
ENSC	—	Environmental Science
FREN	—	French
GE	—	General Education
GEOG	—	Geography
GEOL	—	Geology
GER	—	German
HIST	—	History
HLTH	—	Health
HPE	—	Health and Physical Education
JOUR	—	Journalism
MAS	—	Marine Science
MATA	—	Applied Mathematics
MATH	—	Mathematics
MCOM	—	Mass Communications
MECP	—	Mechanical Power
MECT	—	Mechanical Technology
MIS	—	Military Science
MNGT	—	Management
MRKT	—	Marketing
MUS	—	Music
MUSA	—	Applied Music
OCED	—	Occupational Education
PAD	—	Public Administration
PE	—	Physical Education
PHIL	—	Philosophy
PHIS	—	Public History
PHYS	—	Physics
POLS	—	Political Science
PSY	—	Psychology
READ	—	Reading
SOC	—	Sociology
SOWK	—	Social Work
SPAN	—	Spanish
SPCH	—	Speech
SPED	—	Special Education
SPP	—	Special Programs And Studies
SPPA	—	Speech Pathology
STAT	—	Statistics
TCEL	—	Electronics
TCPU	—	Computer Networking
TECH	—	Industrial Technology
TMEC	—	Mechanical Technology
TMFG	—	Manufacturing

TERMS

F — FALL SEMESTER M — SUMMER SESSION S — SPRING SEMESTER

Other abbreviations used by Departments and in course descriptions are:

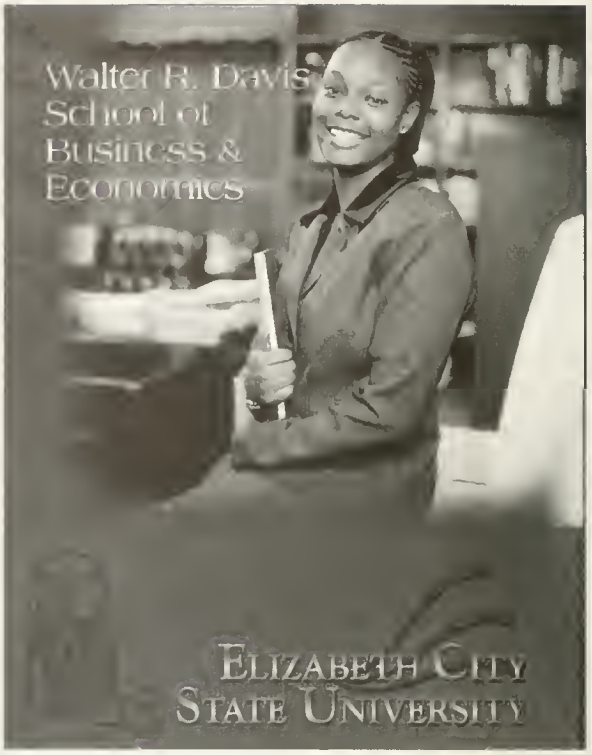
30–40	—	Section Numbers for Extended Day/ Weekend Program
51-52	—	North Carolina Model Teacher Education Consortium
CE	—	Continuing Education
DL	—	Distance Learning
H	—	Honors
M	—	Military Science
S	—	Language Arts Section for Special Programs
QRS	—	Restricted Enrollment
PDP	—	Departmental Permission Required
S/C	—	Language Arts Sections for Special Program/Conference
CRDT	—	Credit
HR	—	Hour
SEC	—	Section
BLDG	—	Building
LAB	—	Laboratory
LEC	—	Lecture
SEM	—	Semester
NFR	—	New Freshman
FR	—	Freshman
SO	—	Sophomore
JR	—	Junior
SR	—	Senior
SDG	—	Second Degree Graduate
SPU	—	Special Undergraduate
SPG	—	Admitted Graduate
CER	—	Certification
LIC	—	Licensure Only
TS	—	Transient Student
GR	—	Graduate
NG	—	Non-matriculating Graduate

Prerequisite Courses — courses beyond the freshman year usually have "prerequisites." This means that certain courses must be taken before the student can register for the advanced course. The prerequisite may also require "consent of the Department Chairperson." The student must secure the permission from the above person(s) before he or she registers for the advanced course. "Consent of the Department Chairperson" is usually required for courses in which there is limited laboratory space and/or equipment, or in which specific skills and aptitudes are required.

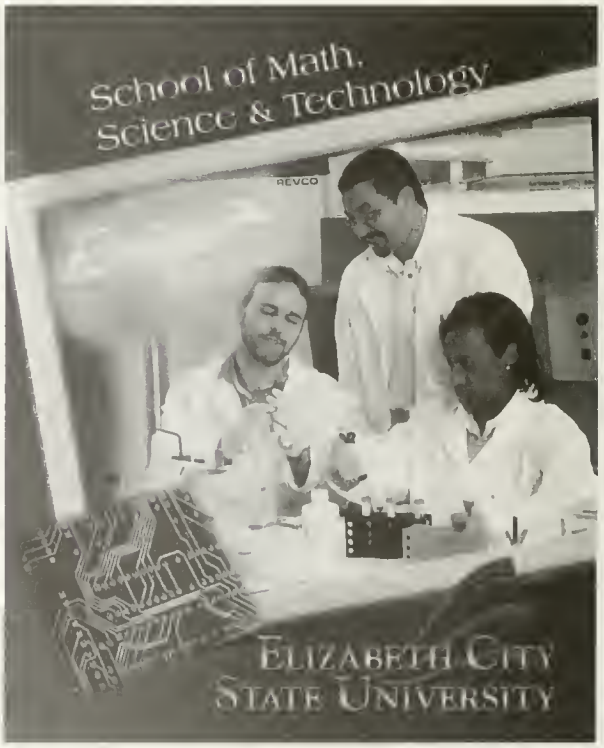
Corequisite Courses — means that certain courses must be taken at the same time.

Each student is advised to obtain a copy of the Handbook from the Department in which his/her intended major is found. This Handbook will provide information about the courses he/she must take and the entrance and exit requirements for them.

School of
Arts &
Humanities
Elizabeth City
State University


Walter R. Davis
School of
Business &
Economics
Elizabeth City
State University

School of
Education &
Psychology
Elizabeth City
State University


School of Math,
Science & Technology
Elizabeth City
State University

Departments & schools

Department of General Studies

Department of Military Science

School of Arts & Humanities
- ART
- HISTORY & POLITICAL SCIENCES
- LANGUAGE, LITERATURE & COMMUNICATION
- MUSIC
- SOCIAL SCIENCES

School of Business & Economics
- ACCOUNTING, FINANCE, AND ECONOMICS
- MANAGEMENT & MARKETING

School of Education & Psychology
- EDUCATION/TEACHER EDUCATION
- HEALTH & PHYSICAL EDUCATION
- PSYCHOLOGY

School of Mathematics, Science & Technology
- BIOLOGY
- CHEMISTRY & PHYSICS
- GEOLOGICAL, ENVIRONMENTAL & MARINE SCIENCES
- MATHEMATICS & COMPUTER SCIENCE
- TECHNOLOGY

DEPARTMENT OF *General Studies*

GENERAL EDUCATION PROGRAM

Through its varied programs, the ***Department of General Studies*** *provides the curriculum for the first two years of the university's academic program. The Department coordinates the* ***FIRST YEAR EXPERIENCE (FYE)*** *which is designed to help new students make the CONNECTION to the university, academic excellence, student activities, programs and events, and campus resources. Additionally, the Department coordinates the services of the* ***Academic Support Center****, the* ***Academic Advisement Program****, the* ***Basic Education and Enrichment Program****, and the program for* ***Special Needs Students****. General Studies also provides evaluation for students in two major categories: the Freshman Placement Testing Program and the Sophomore Assessment Program.*

The Academic Support Center

The Academic Support Center is the component of General Studies which provides support services to the academic programs at Elizabeth City State University. The Center designs and implements student-oriented activities geared to the individual academic needs of students enrolled in the freshman and sophomore classes. The Center houses three laboratories that enhance the basic discipline skills of reading, writing, and mathematics which are vital for academic achievement. Students who would benefit from the support services of the Center are identified and assigned to one or more of three developmental courses as a result of their pre-college performance records and entrance examinations. In addition, the Center offers course-related materials designed for learners wanting more in-depth study in discipline areas. A professional team consisting of specialists in reading, writing, and mathematics provides direct services to students in laboratory settings. The Academic Support Center services are also available to upper-division students by referrals.

Academic Advisement Program

The Academic Advisement Program is a major component of General Studies. The objective of the program is to enable students to achieve excellence in their educational and personal goals. Students who indicate a major interest are advised by a faculty advisor in the academic Department in which the major is offered. Advisors in General Studies primarily advise students who are undecided about a major. The advisors are responsible for assisting students in completing their general education requirements. Students enrolled in the Weekend/Evening Program are also assigned to an advisor who has the same responsibility. Specific responsibilities of the Program include the following: (1) providing individual guidance to students in the preparation of their course schedules and emphasizing the appropriate course selection in the sequence required by General Studies; (2) providing guidance in the selection of courses where there are available options; (3) maintaining accurate advisement files and records of each student in General Studies; (4) following up students in the testing program; (5) and assisting in the implementation of the Department's program designed for the retention of students.

General Education Mentoring Services (GEMS)

The General Education Mentoring Services (GEMS) is a support program designed to increase the retention of new students. Students are paired with peer mentors who are upper classmen specially trained to assist them with the academic, social, and personal adjustment to college.

The Center for Special Needs Students

The Center for Special Needs Students provides an academic support program designed to assist students with learning disabilities and physical disabilities. The program offers individual assessment of learning disabilities, provides academic assistance, and encourages personal growth and development. The goal of the program is to make the university accessible to all college students with disabilities.

Elizabeth City State University has a policy that any person who is disabled may not be discriminated against on the basis of his or her disability as defined in Section 504 of the Rehabilitation Act of 1973 and Americans with Disabilities Act of 1990 (ADA).

Students in the program must adhere to the following procedures and guidelines.

1. Complete the 504 Student Data Sheet that is distributed during the orientation session for Transfer and Freshman students.
2. Provide valid documentation of disability.

3. Attend classes regularly.
4. Meet counseling appointments.
5. Maintain the university's academic standards.

In order to receive services, students must contact the Coordinator of the Center for Special Needs Students at (252) 335-3527, Room 106-A Moore Hall or Campus Box 826 at Elizabeth City State University.

The Basic Education and Enrichment Program

The Basic Education and Enrichment Program (BEEP) is a peer-tutorial program primarily designed as an academic support service. The program is designed to provide tutorial services on an individual basis. The BEEP Program works in conjunction with major Departments.

Subject-specific computer tutorials are also available for most general education courses.

The Freshman Placement Testing Program

The Freshman Placement Testing Program evaluates first-time freshman students and transfer students without six semester hours of transfer credits in English and at least three semester hours in college-level mathematics. Tests are administered in the areas of reading, writing, and mathematics. Placement in English and mathematics courses is determined by the test results. When indicated by test results, students are enrolled in developmental courses to strengthen these skill areas.

The Sophomore Assessment Program

All sophomore students are required to take the College Basic Academic Subjects Examination (College BASE) before they officially exit the Division of General Studies. The test is given to evaluate proficiency in the following general education subject areas by the end of the sophomore year: English, mathematics, science, and social studies.

Eligible sophomores are notified by mail of their required participation. Included in the mailing are Study Guides and information about the administration of the test. Each sophomore receives an individual report on his/her performance on the test.

The General Studies Advisory Board

An Advisory Board to the Department of General Studies is composed of members from each of the 12 academic units offering major programs. The members assist the Chairperson of General Studies in planning and implementing the programs of the Department. Each member also serves as an advisor to students who have declared a major interest in a particular academic unit.

The General Education Program

The General Education Program is composed of a group of coordinated and interrelated courses which contain a body of knowledge designated as liberal arts. The university maintains that all students regardless of major must include in their individual curriculum specific general education courses which are designed to provide fundamental knowledge and skills and a broad cultural education.

The General Education Program is coordinated by the Department of General Studies. This Division makes certain that students are assigned academic advisors, and it coordinates the scheduling of courses for freshman, sophomore, and transfer students. The Program includes courses necessary to meet specific requirements for the 12 academic units offering degree-granting programs.

The requirements of the Department include 33 semester hours of required or core courses and 10 semester hours of elected courses in key disciplines. This core unit assists the university in ensuring that students receive knowledge in the humanities, social and behavioral sciences, physical education and health, the natural sciences, and mathematics. The core is especially necessary for acquiring college-level skills and for meeting General Education objectives and competencies. A list of the established General Education competencies is available in the Chairperson's Office.

All students are expected to complete the General Education requirements during the freshman and sophomore years. After completing required courses, students will take electives and courses in their major fields.

Students entering the university with plans to enter a specific degree program should consult their academic advisors and obtain an Academic Handbook from the major Department. Academic program handbooks will provide information about the courses, entrance requirements, graduation requirements, and other prerequisites for earning the degree. Handbooks and program requirements are located in Department or Division Offices.

The 43-44 hour General Education Program is distributed among the following areas:

Communications Skills	6	hours
Humanities and Fine Arts	10	hours
Social and Behavioral Sciences	12	hours
Natural Sciences and Mathematics	10	hours
Health and Physical Education	4	hours
Freshman Seminar	1	hour
Computer Literacy	Required	
Total:	**43**	**hours**

Freshman Placement Exams and College Skills Development

The Freshman Placement Testing Program evaluates first-time freshmen, readmitted and transfer students in reading, writing, and mathematics. The placement tests are designed to help students identify skills that should be strengthened and to place students in appropriate English and mathematics courses. If indicated by test results, students who need further development will be assigned to developmental courses. The laboratories are located in the Academic Support Center and are designed for both skill development and enrichment.

Students who need to strengthen various college skills will be assigned to one or more of the following developmental courses. These courses will then constitute prerequisites for required English and Mathematics courses. GE-100 and GE-109 carry course credit but cannot be counted toward fulfilling graduation requirements. GE-106 carries course credit and may be counted toward graduation credit depending on departmental and degree requirements. Students must earn grades of "C" or better in GE-100 or GE-106.

GE-100 Grammar and Composition (2)

GE-106 College Reading (2)

GE-109 College Mathematics (3)

COMMUNICATION SKILLS — REQUIRED: 6 HOURS

ENGLISH

The General Education courses in English provide the student with integrated experiences and knowledge in the English language, literature, communication, and speech through the courses listed below. Each student will complete a minimum of six hours in English. The student must earn a grade of "C" or better in English courses and have passing scores on the reading and writing placement tests.

* GE-102/103 Composition and Literature I and II (3/3)

or

** GE-104/105 Composition and Literature Honors I and II (3/3)

HUMANITIES AND FINE ARTS — REQUIRED: 10–12 HOURS

The following courses in the General Education curriculum provide the student with knowledge of artistic standards, the development and growth of aesthetic culture, topics of philosophical concerns, human knowledge, the world, God, human freedom, morals, and ethics. Each student will complete a minimum of ten hours in humanities and fine arts. Six hours of literature are required. A student must also take one course in Music and one course in Art.

LITERATURE

*	GE-201/202	World Literature I and II (3/3)
		or
**	GE-203/204	World Literature Honors Seminar I and II (3/3)
**	ENGL-301/302	English Literature (3/3)
**	ENGL-305/306	American Literature (3/3)

ART

*	GE-130	Art Appreciation (2)
		or
**	ARTH-211	Ancient Art (3)
**	ARTH-212	Medieval Art (3)
**	ARTH-314	Modern Art (3)

MUSIC

*	GE-135	Introduction to Music Literature (2)
		or
**	MUS-305/306	Music History (3/3)

SOCIAL AND BEHAVIORAL SCIENCES — REQUIRED: 12 HOURS

The student's General Education program in the behavioral and social sciences draws ideas, concepts, breadth, and content from each of the Social Sciences including Anthropology, Economics, History, Geography, Psychology, Sociology, and Political Science. Students are required to take six hours of World Civilization. Students are also required to take six hours in two different fields other than History. Education majors are required to fulfill this objective by taking one course in Geography (GE-142) and one course in Psychology (PSY-212).

HISTORY — REQUIRED: 6 HOURS

*	GE-140 and 141	World Civilization I and II (3/3)
		or
**	HIST-255	American History to 1877 (3)
**	HIST-256	American History Since 1877 (3)

Choose two courses from different areas. **Required: 6 hours**

Substitution forms
Intro to Socsk 205

Sociology
- SOC-201 Introduction to Sociology (3)
- SOC-202 Social Problems (3)
- SOC-204 Introduction to Anthropology (3)

Political Science
- POLS-200 Introduction to Political Science (3)
- POLS-301 American National Government (3)

Geography
- *** GE-142 Introduction to Geography (3)
- GEOG-201 World Geography (3)

Economics
- ECON-201 Principles of Economics I (3)
- ECON-202 Principles of Economics II (3)

Psychology
- *** PSY-212 General Psychology (3)

*Required
**Select students may substitute these courses for the required courses.
***Required of Teaching Majors.
(Note: The General Education Advisory Board will consider Philosophy, Drama, and Foreign Language electives.)

NATURAL SCIENCES AND MATHEMATICS — REQUIRED: 10 HOURS

The General Education Program requires that all students complete three courses in mathematics and natural sciences. All students are required to complete one course in college algebra or advanced mathematics and one science course with a laboratory component. For the third required course, students may elect either one additional mathematics course above college algebra or one additional science course.

NATURAL SCIENCES — REQUIRED: AT LEAST 4 HOURS

The student's General Education Program in the natural sciences draws ideas, concepts, breadth, and content from Biology, Chemistry, Environmental Science, Geoscience, and Physics. All students are required to complete at least one laboratory science course. Students may select an additional science course to fulfill the General Education requirement.

Potential science majors should consult their advisors and academic Departments for proper course selection.

Biology		
	GE-155	Principles of Biological Science (3)
	GE-155L	Principles of Biological Science Lab (1)
**	BIOL-141	General Zoology (3)
**	BIOL-141L	General Zoology Lab (1)
**	BIOL-142	General Botany (3)
**	BIOL-142L	General Botany Lab (1)
Chemistry		
**	CHEM-101/102/L	General Chemistry/Lab (4/4)
Physics		
**	GE-152/152/L	Physical Science/Lab (3/1)
**	PHYS-181/182	General Physics (4/4)
**	PHYS-181C/181L	University Physics I/Lab (3/1)
**	PHYS-182C/182L	University Physics II/Lab (3/1)
Geosciences		
	ENSC-101/101/L	General Environmental Science/Lab (3/1)
	GE-158	Principles of Geological Science (3)
	GE-158L	Principles of Geological Science Lab (1)
	GEOL-140/140L	Introduction to Earth Science (3/1)
**	GEOL-142/142L	Physical Geology (4)
**	GEOL-143/143L	Historical Geology (4)

MATHEMATICS — REQUIRED: AT LEAST 3 SEMESTER HOURS

The student's General Education Program draws ideas, concepts, breadth, and content from the mathematical sciences. Students will be placed in appropriate mathematics courses based on placement exams and performance in prerequisite courses. All students are required to complete at least three semester hours of mathematics, college algebra, or a higher level mathematics course. Students may select an additional mathematics course above college algebra to fulfill the General Education requirement. Students should consult their academic advisors regarding mathematics courses and the selection of electives.

*	GE-115	College Algebra (3)
		or
*	GE-118	Pre-Calculus (3)
		or
*	MATH-153	Differential and Integral Calculus (3)
		or
**	MATH-157/158/256	Calculus and Analytic Geometry (3/3/3)
	MATH 121	Number Systems & Algebra (3)

* Required

** Select students may substitute these courses for the required courses.

PHYSICAL EDUCATION AND HEALTH — REQUIRED: 4 HOURS

The student's General Education Program in health and physical education draws ideas, concepts, breadth, and content from health, science, and physical activities. The students must complete two hours of health and two hours of physical education activity courses. Military Science (MIS 101) may be substituted for the physical education activity courses.

PHYSICAL EDUCATION AND HEALTH

GE-185 Health Concepts (2)

Students must take two courses:

GE-160 Basketball (1)
GE-161 Dance (Elementary Modern) (1)
GE-163 Golf (1)
GE-164 Jogging (1)
GE-168 Volleyball (1)
GE-169 Weight-Training (1)
GE-172 Badminton (1)
GE-173 Swimming I (1)
GE-174 Swimming II (1)
GE-175 Intermediate Swimming (1)
GE-178 Gymnastics (1)
GE-179 Archery (1)
GE-180 Bowling (1)
GE-182 Softball
GE-183 Beginning Tennis (1)
GE-184 Dance (Folk and Square)
GE-186 Exercise and Health-Related Fitness (1)
GE-187 Intermediate Tennis (1)
GE-191 Racquetball (1)
GE-192 Recreational Activities (1)
GE-193 Special Physical Education (1)
GE-194 Outdoor Activities (1)

MILITARY SCIENCE

MIS-101 Military Science (2)

COURSE DESCRIPTIONS
COLLEGE SKILLS DEVELOPMENT COURSES

GE 100: Grammar and Composition (2) (F;S)
Study and practice of grammar and composition skills with emphasis on paragraph development. Four contact hours required, two in class and two in the Academic Support Center (Writing Laboratory). Students assigned on basis of English Placement Testing. (Credits not used to fulfill graduation requirements)

GE 106: College Reading (2) (F;S)
Study and practice of skills and strategies needed for college reading. Four contact hours required, two in class and two in the Academic Support Center (Reading Laboratory). Students assigned on basis of English Placement Testing. (Minimum grade of "C" required.)

GE 109: Introduction to College Mathematics (3) (F;S)
Provides a review of the fundamentals of algebra, including operations on real numbers, first-degree equations and inequalities with applications, polynomials and exponents, rational expressions, rational exponents and radicals, and graphing linear equations. Five contact hours required, three in class and two in the Academic Support Center (Mathematics Lab). Students assigned based on Mathematics Placement Test. (Credits not used to fulfill graduation requirements)

GE 122/122T: Freshman Seminar (1), (F;S)
Designed to assist students with adjustment to the university and give students both knowledge of and practice in the skills necessary for successful academic performance. Application of skill development in note-taking, test-taking, textbook reading, study, time management, concentration, and listening. Required of all students. Meets two 50-minute periods weekly.

*Required
***Required of Teaching Majors.

COMPUTER LITERACY

All students regardless of major must fulfill the Computer Literacy Requirement (CLR) by the end of the fourth semester of enrollment. The requirement may be fulfilled in one of the following ways:

- Passing the CLR Test at ECSU

or

- Successfully passing CSC-111 – Introduction to Computing, CSC-115 – Computer Science I, or EDUC-203 – Introduction to Computer Instructional Technology

or

- Transferring a course comparable to CSC-111, CSC-115, or EDUC-203.

NOTE: Students whose majors require one of the courses listed above must complete that course. The CLR Test does not satisfy the course requirement. Refer to curricular requirements in this catalog.

DEPARTMENT OF *Military Science*

The U.S. Army Reserve Officers' Training Corps (ROTC) Program offers college students the opportunity to earn a commission as officers in the U.S. Army, the Army National Guard, or the U.S. Army Reserve while pursuing a college degree.

OBJECTIVES

The objectives of the ROTC Program are to:

1. Attract, motivate, and prepare selected students to serve as commissioned officers in the Regular Army, Army National Guard, and the U.S. Army Reserve.
2. Provide ROTC cadets with the basic concepts and principles of military art and science.
3. Develop:
   (a) Leadership decision making, problem solving and communication skills.
   (b) A strong sense of the army values (loyalty, duty, respect, selfless service, honor, integrity and personal courage.
   (c) Strong Commissioned Officers who are confident as well as competent.

PROGRAM DESCRIPTION

The ROTC program is based on a four-year curriculum integrated with the normal baccalaureate degree program. Flexibility is provided through a number of options and alternatives.

THE FOUR-YEAR PROGRAM

The Four-Year Program is divided into two parts: Basic Course and Advanced Course.

All freshman and sophomore students are encouraged to enroll in the Basic Course. The Basic Course is usually taken during the first two years of college. It covers such subjects as the Army organization, military customs and traditions, leadership development, basic military skills, and physical training. In addition, a variety of outside social and professional enrichment activities are available. All necessary ROTC textbooks, uniforms, and other essential materials for the Basic Course are furnished at no cost. After completion of the Basic Course, students who have demonstrated the potential to become Army officers and who have met the physical and scholastic standards are eligible to enroll in the Advanced Course.

The Advanced Course is usually taken during the final two years of college. It includes instruction in organization and management, tactics, ethics and professionalism, and further leadership development. All necessary textbooks and uniforms in the Advanced Course are also furnished to students.

During the final two years of college, ROTC cadets, who have met all requirements, are eligible to contract. Contracting means that a cadet has decided to support his or her country for a period of eight years, which consist of four years active either in the Regular Army, Army National Guard or U.S. Army Reserve. The cadet is also required to perform an additional four years in the Inactive Ready Reserve, which consist of maintaining your information with no drill requirement.

Also available to students is the Simultaneous Membership (SMP). Cadets who qualify for SMP will be assigned to a National Guard/Reserve unit to train under a lieutenant or captain in the headquarters element. The SMP cadet will receive E-5 (Sergeant) Drill Pay and, once contracted, an additional $350 during Junior year and $400 in the Senior year STIPEND from Army ROTC.

During the summer, between their junior and senior years of college, Advanced Course cadets attend a paid 5-week training session called Leader's Development and Assessment Course (LDAC). LDAC gives cadets the chance to practice what they've learned in the classroom, and introduces them to Army life "in the field."

THE TWO-YEAR CURRICULUM

A Two-Year Program is provided for those students who cannot complete the normal four-year

program before graduation. The Two-Year Program is designed for junior and community college graduates and students at four-year colleges who did not take ROTC during their first two years of school.

To enter the Two-Year Program, students must first attend a paid 4-week Leader's Training Course, normally held during the summer between their sophomore, junior and senior years of college. This is followed by enrollment in the Advanced Course to complete the ROTC Program.

Students may opt to enroll in the Advanced Course during their junior year and attend the Leader's Training Course during the summer between their junior and senior years.

COMPRESSION AND ALTERNATE

The Basic Course may be compressed into a single year by simultaneous enrollment in freshman and sophomore ROTC classes. This option is available to sophomore students who did not enroll in ROTC during their freshman year. Students must receive prior approval from the Military Science Department Chairperson to exercise this option.

ARMY ROTC SCHOLARSHIPS/ FINANCIAL ASSISTANCE

Freshmen, sophomores and first semester juniors may apply for a Two-year ROTC or Guaranteed Reserve Forces Duty Scholarship (GFRD). Freshmen and first semester sophomores may apply for three-year ROTC Scholarships. The Two-year ROTC and GFRD and Three-year ROTC Scholarship are awarded on a competitive basis.

Each scholarship pays for college tuition and required educational fees, and provides a specified amount for textbooks, supplies, and equipment. Each scholarship recipient/contracted cadet will receive the following subsistence allowance: FR-$250, SO-$300, JR-$350, SR-$400 per month (cadets are actually paid every two weeks). For cadets who are in the advanced courses (juniors and seniors) who are not regular army scholarship cadets, can compete for Simultaneous Membership Program (SMP) slot in their unit and earn up to $1,000 per month.

Students who are prior service (have completed Basic Training) and in the reserves can commission in two years if they meet the requirements.

PROGRAM DESIGN: MILITARY SCIENCE (Open To All Majors)

Required Classes: A minor in Military Science and Leadership will consist of the following semester hours:

Course Number	Course Title	Semester Hour Credit
MIS 201	Applied Leadership and Management I	2
MIS 202	Applied Leadership and Management II	2
MIS 301	Leadership and Management I	3
MIS 302	Leadership and Management II	3
MIS 303	U.S. Military History	3
MIS 401	Advanced Leadership and Management I	2
MIS 402	Advanced Leadership and Management II	3
Total Required Hours for Minor		**18 Sem Hrs**

Residence Requirements: 18 Semester hours must be earned in residence. MIS 101 and 102 or Basic Training are the prerequisites for this minor. This minor will be available to Army Reserve Officer's Training Corps (ROTC) cadets that meet course requirements.

Each candidate must complete a course in written communications and human behavior as part of the student's General Education Program requirement or academic discipline. The courses offered by the university which fulfill this requirement are:

Written Communication
GE 100, 102, 103, 104, 105;
ENGL 317, 399, 401;

Human Behavior
SOC 201, 202, 204, 302, 304, 354, 360;
PSY 212

*The Basic Course is offered, as an elective, to all students enrolled in the university. Enrollment in these courses does not incur an obligation of military service. Basic Course requirements may be waived by the Professor of Military Science for veterans or other persons with prior military training.

PRECOMMISSIONING ASSESSMENT SYSTEM
PRECONTRACTING PHASE (ADVANCED COURSE)

ENTRY CRITERIA

ASSESSMENT ELEMENT	STANDARD
CITIZENSHIP	U.S. Citizen Selected Alien Students
AGE	Under 27 At Time of Commissioning unless Prior Service
CHARACTER	No Record of Disciplinary Problems or Civil Conviction
STANDARD MEDICAL EXAM	AR 40-501
ARMY PHYSICAL FITNESS TEST (APFT)	180(60/60/60)
STRUCTURED INTERVIEW	Acceptable Ratings on At Least 7 of 12 Leadership Dimensions
ACADEMIC STANDING	Full-time Student
GRADE POINT AVERAGE	2.0 on 4.0 Scale
BASIC COURSE PERFORMANCE	2.0 GPA on 4.0 Scale
ENHANCED SKILLS TRAINING PROGRAM (ESTP)	Requirement
BASIC CAMP PERFORMANCE (Two-Year Program)	Student Potential Index 100 = Average 110 = Strong Performance 90 = Whole Person Evaluation
OVERALL LEADERSHIP POTENTIAL	— Results of All Other Elements — Professor of Military Science Judgment and Evaluation

PRECOMMISSIONING ASSESSMENT SYSTEM
PRECOMMISSIONING PHASE

EXIT CRITERIA

ASSESSMENT ELEMENT	STANDARD
CUMULATIVE GRADE POINT AVERAGE	2.0 on 4.0 Scale
ADVANCED COURSE PERFORMANCE	2.0 GPA Field Training Exercises Leadership Lab Performance Interaction with Cadets
LEADER'S DEVELOPMENT AND ASSESSMENT COURSE	APFT-180(60/60/60) Land Navigation — Pass Day/Night Phase — Pass Written Test Rifle Marksmanship — Qualify Tactics — Go/No Go Job Performance — Satisfactory Rating Peer Evaluation
OVERALL LEADERSHIP POTENTIAL	—Results of All Other Elements —Professor of Military Science Evaluation

MILITARY SCIENCE

MIS 101: Basic Military Science I (2) (F, S)
Study of the mission of the Reserve Officers' Training Corps and an orientation to the organization and roles of the U.S. Army, customs and traditions of the service, leadership, and basic first aid. One and one-half hours of Leadership Laboratory per week.

MIS 102: Basic Military Science II (2) (S)
Study of basic map reading, military correspondence, preventive medicine, and first aid. One and one-half hours of Leadership Laboratory per week.

MIS 201: Applied Leadership and Management I (2) (F)
Study of basic military skills, organization for teamwork, and practical application to develop leadership and management techniques. Instruction emphasizes self-discipline, knowledge of military subjects, and development of military skills. One and one-half hours of Leadership Laboratory per week.

MIS 202: Applied Leadership and Management II (2) (S)
Study of Army leadership doctrine, oral and written communication, basic military skills, and practical application to develop leadership skills. Instruction emphasizes self-discipline and application of military knowledge during realistic practical exercises. One and one-half hours of Leadership Laboratory per week.

MIS 236: Leader's Training Course (4) (SS)
4-week summer course conducted at a military installation. Provides training in lieu of the Basic Course and is designed to qualify students for the ROTC Advanced Course. Application for Basic Camp must be made to the Department of Military Science.

MIS 301: Leadership and Management I (3) (F)
Instruction in military leadership, physical training, military training, and land navigation. One and one-half hours of Leadership Laboratory per week. Prerequisite: Basic Course or equivalent credit.

MIS 302: Leadership and Management II (3) (S)
Study of infantry small-unit tactics, oral and written communication, advance military skills, and practical application to develop leadership skills. Instruction emphasizes teamwork, self-discipline, confidence, and application of leadership skills during realistic practical exercises. One and one-half hours of Leadership Laboratory per week. Prerequisite: Basic Course or equivalent credit.

MIS 303: U.S. Military History (3) (F,S)
Survey of American military history from 1759 to present. Study of the American attitude toward war, the European influence, civil-military relationships and the impact of technology on operations and tactics. May be taken by non-cadets for elective course credit without military obligations.

MIS 401: Advanced Leadership and Management I (2) (F)
Study of military training, Army officer professionalism and ethics, and the conduct of unit meetings and conferences to develop leadership and management techniques. Instruction emphasizes the importance of prior preparation and self-confidence during realistic practical exercises. One and one-half hours of Leadership Laboratory per week. Prerequisites: MIS 301, 302.

MIS 402: Advanced Leadership and Management II (3) (S)
Leadership and management in the contemporary military environment, including oral communications, the administration of Military Justice, the rules of war, and an orientation to U.S. Army personnel support activities. Improves student's ability to prepare effective staff studies, battle analysis, and briefings. Learn military commanders, strategies, and tactics. Leadership Laboratory periods continue to develop the practical experiences begun in earlier courses. Prerequisites: MIS 301, 302, 401.

School of Arts & Humanities

José S. Gil, Dean
Fine Arts Complex
Room 226 Telephone: (252) 335-3945

In conjunction with the other Schools of the University, the function of the School of Arts and Humanities is:

- *To provide the students of Northeastern North Carolina with a solid Liberal Education*
- *To enable them to gain expertise in their chosen field of study*
- *To prepare them for professional careers, graduate school, and research and*
- *To promote in them the knowledge and skills to be successful in a global society.*

The School offers an array of programs emphasizing a humanistic approach dealing with the interconnectedness of humankind, a sensitive respect for cultural diversity, and a great regard for the dignity and worthiness of life. The School further emphasizes the appreciation of beauty, the development of ethics, the practice of compassion, and the study of human actions, both good and evil.

The School of Arts and Humanities offers Bachelors of Art degrees in Art, Communication Studies, English, History, Music Performance, Political Science, and Sociology; Bachelor of Science in Criminal Justice, Music Industries, and a Bachelor of Social Work degree in Social Work; and in cooperation with the School of Education and Psychology, a Bachelor of Arts with Teacher Certification in Art, English, Music, and History.

Available to our students are also minors in: American History, Art, Art Therapy, Black Studies, Corrections, Criminal Justice, English, French, Graphic Design, Juvenile Justice, Museum Studies, Music, Political Science, Sociology, Spanish, and Speech Pathology and Theatre Arts.

The School also offers pre-professional programs in Public Administration and Pre-Law.

DEPARTMENTS

The School of Arts and Humanities consists of the following departments:

- *Art, Dr. Jenny McIntosh, Chair, 117 Fine Arts Complex*
- *History and Political Science, Dr. Flora Brown, Chair, 202A Moore Hall*
- *Language, Literature and Communication, Dr. Emmanuel Ngwainmbi, 209 Johnson Hall*
- *Music, Dr. Gloria Knight, Chair, 214 Fine Arts Complex*
- *Social Sciences, Dr. Wayman Parson, Chair, 202 Moore Hall*

DEPARTMENT OF *Art*

The Department of Art offers students who are interested in visual art, graphic arts or theatre arts as a career a solid foundation in a variety of courses, with emphasis on the imaginative use of materials, development of skills, and study in art media/techniques and aesthetics. Students have a wide variety of courses from which to choose. Studio art instruction is given in drawing, design, painting, sculpture, filmmaking, graphic design, photography, interior design, printmaking (emphasizing intaglio and serigraphy), and visual communication and crafts (ceramics, jewelry, and glass). There is also a full range of instruction in art history including Western and Non-Western art from a multicultural perspective. An evolving core of courses is also available in Theatre Arts, allowing for the development of skills in various facets of the theatre production including directing, acting, play production, and chosen topics.

The Department offers the B.A. degree in Art and a minor for students enrolled in other disciplines. An approved academic concentration for education majors is available. The B.S. in Graphic Design is available, as of August 2004.

The Department offers minors in: Education (K–12), Graphic Design (digital), Museum Studies and Art Therapy, which will prepare students for graduate work in these areas or for entry level positions in these professions. The minor in Education (K–12) carries teacher licensure in N.C. for public school art teachers. The minor in Museum Studies is appropri-

ate for any student who wishes to work in a museum. This minor is especially appropriate for majors in art, history, education, business, science, or other majors which might be appropriate for museum professionals. The minor in Art Therapy is appropriate for anyone who would like to use art therapeutically in a hospital or other clinical setting. This minor is especially appropriate for those with interests in art, psychology, pre-med, music, drama, dance, theater, and educational counseling.

The Department offers a minor and a concentration in Theatre Arts, as of August 2003, when the Drama program joined the Art Department and was renamed "Theatre Arts." This minor is especially appropriate for all students, in all majors, who want experience in the theatre.

Students desiring teacher licensure in Art will minor in Education (K–12). The objectives of the Art Department for prospective art teachers are to:

1. develop positive attitudes about oneself, about others, about art, and art education;
2. develop the concepts and skills necessary for understanding and producing art;
3. develop knowledge and appreciation of art in the past and present of various cultures;
4. develop knowledge of art and art education as a vocation, and as a profession; and
5. develop philosophy of and skills in art education.

MAJOR: B.A. Degree in Art

A. *General Education Core			**44**	**Sem Hrs**
B. Major Core Requirements			**54**	**Sem Hrs**
1. Core Courses			21	Sem Hrs
ART	100	Art Foundations	3	
ART	102	Drawing I	3	
ART	103	Drawing II	3	
ART	110	Color and Design	3	
ART	111	Three-Dimensional Design	3	
ART	201	Graphic Design I	3	
ART	220	Painting I	3	
ART	230	Sculpture I	3	
ART	340	Photography I	3	
ART	350	Ceramics I	3	
ART	460	Printmaking I	3	
ART		Restricted Art Electives	12	
2. Related Courses (Required)			9	Sem Hrs
Choose any 9 semester hours from the following courses:				
ARTH	211	Ancient Art	3	
ARTH	212	Medieval Art	3	
ARTH	313	Renaissance Art	3	
ARTH	315	African American Art	3	
ARTH	317	Nineteenth-Century Art	3	
ARTH	318	Twentieth-Century Art	3	
ARTH	319	Baroque/Rococo Art	3	
ARTH	416	Theory of Contemporary Art and Design	3	
ARTH	417	History of Graphic Design	3	
C. Minor and/or Free Electives			**27**	**Sem Hrs**
Total Hours Required for Degree			**124**	**Sem Hrs**

*Art majors are not required to take GE 130. They may substitute any ARTH course for their General Studies requirement. Art majors electing this substitution will have 125 hours.

CURRICULUM GUIDE FOR MAJORS IN ART (NON-EDUCATION MINOR)

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
ART	100	Art Foundations	3
ART	102	Drawing I	3
GE	102	Comp. and Literature I	3
GE	122	Freshman Seminar	1
GE	140	World Civilization I	3
GE	185	Health Concepts	2
		Physical Ed. Activity	1
			16

SECOND SEMESTER			
COURSE AND NUMBER			HRS
ART	110	Color and Design	3
		Science w/Lab.	4
GE	103	Comp and Literature II	3
GE	115	College Algebra	3
GE	141	World Civilization II	3
		Physical Ed. Activity	1
			17

SOPHOMORE YEAR

ART	111	Three-Dimensional Design	3
ART	200	Painting I	3
ART	103	Drawing II	3
GE	201	World Literature I	3
		Social and Behav. Sci.	3
GE	135	Intro. to Music Literature	2
			17

* ARTH		Art History	3
ART	230	Sculpture I	3
GE	202	World Literature II	3
		Math or Science	3
		Social and Behav. Sci.	3
			15

JUNIOR YEAR

ART	201	Graphic Design I	3
ART	340	Photography I	3
ART	350	Ceramics I	3
ARTH		Art History	3
ART		Art Elective	3
			15

ART		Art Elective	3
ARTH		Art History	3
		Minor/Electives	9
			15

SENIOR YEAR

ARTH	400	Art History	3
ART	460	Printmaking I	3
		Minor/Electives	9
			15

ART		Art Elective	6
		Minor/Electives	9
			15

* Students may take GE 130 ART Appreciation (2) to complete the General Studies requirement.

MAJOR: B.A. Degree in Art (Education K–12)

A. *General Education Core ..... 44 Sem Hrs

B. Major Core Requirements ..... 54 Sem Hrs

1. Core Courses ..... 45 Sem Hrs

ART	100	Art Foundations	3
ART	110	Color and Design	3
ART	111	Three-Dimensional Design	3
ART	102	Drawing I	3
ART	103	Drawing II	3
ART	201	Graphic Design I	3
ART	220	Painting I	3
ART	230	Sculpture I	3
ART	340	Photography I	3
ART	350	Ceramics I	3
ART	460	Printmaking I	3
ART		Restricted Electives	12

Choose any additional 12 semester hours in ART.

2. Related Courses (Required) ..... 9 Sem Hrs

Choose any 9 semester hours from the following courses:

ARTH	211	Ancient Art	3
ARTH	212	Medieval Art	3
ARTH	313	Renaissance Art	3
ARTH	315	African American Art	3
ARTH	317	Nineteenth-Century Art	3
ARTH	318	Twentieth-Century Art	3
ARTH	319	Baroque/Rococo Art	3
ARTH	416	Theory of Contemp. Art Design	3
ARTH	417	History of Graphic Design	3

C. (Education K-12) ..... 26 Sem Hrs

EDUC	201	Foundations of Education	3
PSY	302	Human Development	3
PSY	309	Educational Psychology	3
EDUC	400	Senior Seminar (optional with pass on Pre-test)	P/F
READ	320	Tchg. Read. in Content Area	2
EDUC	479	Multicultural Education	3
SPED	200	Survey of Exceptional Children & Youth	3
EDUC	424	Art Education Materials & Methods (K–12)	3
EDUC	469	Student Teaching Art (K–12)	6
EDUC	478	Seminar in Contemp. Educ. Issues (optional w/ ETT certificate)	P/F

Total Hours Required for Degree ..... 124–126 Sem Hrs

*Art majors are not required to take GE 130. They may substitute any ARTH course for their General Studies requirement. Art majors electing this substitution will have 125 hours.

CURRICULUM GUIDE FOR MAJORS IN ART (EDUCATION [K–12])

FRESHMAN YEAR

FIRST SEMESTER

COURSE AND NUMBER			HRS
ART	100	Art Foundations	3
ART	102	Drawing I	3
GE	102	Comp. and Literature I	3
GE	122T	Freshman Seminar	1
GE	140	World Civilization I	3
GE	185	Health Concepts	2
		Physical Ed. Activity	1
			16

SECOND SEMESTER

COURSE AND NUMBER			HRS
ART	110	Color and Design	3
GE	152/L	Prin. of Physical Sci./Lab.	4
GE	103	Comp. and Literature II	3
GE	115	College Algebra	3
GE	141	World Civilization II	3
		Physical Ed. Activity	1
			17

SOPHOMORE YEAR

ART	103	Drawing II	3
ART	111	Three-Dimensional Design	3
ART	200	Painting I	3
GE	201	World Literature I	3
EDUC	220	Sophomore Seminar	1
PSY	212	Gen. Psychology	3
			16

ART	230	Sculpture I	3
GE	135	Intro. to Music Literature	2
GE	142	Intro. to Geography	3
GE	155/L	Prin. of Biological Sci./Lab.	4
GE	202	World Literature II	3
EDUC	201	Found. of Education	3
			18

JUNIOR YEAR

ART	201	Graphic Design I	3
ART	340	Photography I	3
ART	350	Ceramics I	3
ARTH		Art History	3
		OR	
GE	130	Art Appreciation	2
PSY	302	Human Development	3
PSY	309	Ed. Psychology	3
			17-18

ART	Art Elective	6
ARTH	Art History	3
READ 320	Tchg. Read. Content Area	2
EDUC 479	Multicultural Education	3
SPED 200	Survey of Excep. Children & Youth	3
		17

SENIOR YEAR

ART 460	Printmaking I	3
EDUC 424	Art Ed. Methods	3
EDUC 400	Senior Seminar*	P/F
ARTH	Art History	6
ART	Art Elective	3
		15

EDUC 478	Seminar in Contemporary Ed. Issues (Optional)	P/F
EDUC 469	Student Teaching Art (K–12)	6
ART	Art Elective	3
		9

* Optional with pass on pre-test

MAJOR: B.A. Degree in Art (Museum Studies)

A. * General Education Core ..... 44 Sem Hrs

B. Major Core Requirements ..... 54 Sem Hrs

1. Core Courses ..... 45 Sem Hrs

ART	100	Art Foundations	3
ART	110	Color and Design	3
ART	111	Three-Dimensional Design	3
ART	201	Graphic Design I	3
ART	220	Painting I	3
ART	230	Sculpture I	3
ART	340	Photography I	3
ART	350	Ceramics I	3
ART	460	Printmaking I	3
ART		Restricted Electives	12

Choose any 12 additional semester hours in ART.

2. Related Courses (Required) ..... 9 Sem Hrs

Choose any 9 semester hours from the following courses:

ARTH	211	Ancient Art	3
ARTH	212	Medieval Art	3
ARTH	313	Renaissance Art	3
ARTH	315	African American Art	3
ARTH	317	Nineteenth-Century Art	3
ARTH	318	Twentieth-Century Art	3
ARTH	319	Baroque/Rococo Art	3
ARTH	416	Theory of Contemp. Art and Design	3
ARTH	417	History of Graphic Design	3

C. Minor in Museum Studies ..... 18 Sem Hrs

Required Courses

ART	495	Museum Studies I	3
ART	496	Museum Studies II	3

ART	498	Intro to Museum Education	3
HIST	397	Hist. Meth. & Historiography	3
		Either	
HIST	490	Internship in History	6
		OR	
ART	406	Internship in Art	3
		And	
ART	497	Exhibition	3

D. Unrestricted Electives ..... 9 Sem Hrs

Total Hours Required for Degree ..... 124 Sem Hrs.

*Art majors are not required to take GE 130. They may substitute any ARTH course for their General Studies requirement. Art majors electing this substitution will have 125 hours.

CURRICULUM GUIDE FOR MAJORS IN ART (MUSEUM STUDIES MINOR)

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
ART	100	Art Foundations	3
ART	102	Drawing I	3
GE	102	Comp. and Literature I	3
GE	122	Freshman Seminar	1
GE	140	World Civilization I	3
GE	185	Health Concepts	2
		Physical Ed. Activity	1
			16

SECOND SEMESTER			
COURSE AND NUMBER			HRS
ART	110	Color and Design	3
GE		Science	3
GE		Lab	1
GE	103	Comp. and Literature II	3
GE	115	College Algebra	3
GE	141	World Civilization II	3
		Physical Ed. Activity	1
			17

SOPHOMORE YEAR

ART	111	Three-Dimensional Design	3
ART	200	Painting I	3
ART	230	Sculpture I	3
GE	201	World Literature I	3
GE		Social/Behavior Science	3
GE	135	Intro. to Music Literature	2
			17

ARTH		Art History	3
		OR	
GE	130	Art Appreciation	2
ART	103	Drawing II	3
GE	202	World Literature II	3
GE		Science or Math	3
GE		Social/Behavior Science	3
			14-15

JUNIOR YEAR

ART	340	Photography I	3
ART	350	Ceramics I	3
ARTH		Art History	3
ART	495	Museum Studies I	3
ART		Art Elective	3
			15

ART		Art Elective	6
ARTH		Art History	3
HIST	397	Historic Meth. & Historiography	3
ART	496	Museum Studies II	3
			15

SENIOR YEAR

ART	460	Printmaking I	3
ART	497	Exhibition Design	3
ARTH		Art History	3
ART		Art Elective	3
		Elective	3
			15

ART	406	Internship	3
ART	498	Intro to Museum Ed.	3
		Elective	6
ARTH		Art History	3
			15

MAJOR: B.A. Degree in Art (Art Therapy)

A. * General Education Core ..... 44 Sem Hrs

Students minoring in Art Therapy will choose PSY 212, General Psychology, to complete their General Education requirement.

B. Major Core Requirements ..... 54 Sem Hrs

1. Core Courses ..... 45 Sem Hrs

ART	100	Art Foundations	3
ART	102	Drawing I	3
ART	103	Drawing II	3
ART	110	Color and Design	3
ART	111	Three-Dimensional Design	3
ART	201	Graphic Design I	3
ART	220	Painting I	3
ART	230	Sculpture I	3
ART	340	Photography I	3
ART	350	Ceramics I	3
ART	460	Printmaking I	3
ART		Restricted Electives	12

Choose any 12 additional semester hours in ART.

2. Related Courses (Required) ..... 9 Sem Hrs

Choose any 9 semester hours from the following courses:

ARTH	211	Ancient Art	3
ARTH	212	Medieval Art	3
ARTH	313	Renaissance Art	3
ARTH	315	African American Art	3
ARTH	317	Nineteenth-Century Art	3
ARTH	318	Twentieth-Century Art	3
ARTH	319	Baroque/Rococo Art	3
ARTH	416	Theory of Contemporary Art Design	3
ARTH	417	History of Graphic Design	3

C. Minor in Art Therapy ..... 18 Sem Hrs

Required Courses

ART	450	Intro. to Art Therapy	3
ART	451	Meth. of Art Therapy	3
ART	452	Sensation & Perception in Art Therapy	3
ART	405	Internship in Art (Must AT)	3
PSY	250	Developmental Psychology	3
PSY	360	Abnormal Psychology	3

D. Unrestricted Electives ..... 9 Sem Hrs

Total Hours Required for Degree ..... 124 Sem Hrs.

*Art majors are not required to take GE 130. They may substitute any ARTH course for their General Studies requirement. Art majors electing this substitution will have 125 hours.

CURRICULUM GUIDE FOR MAJORS IN ART (ART THERAPY MINOR)

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
ART	100	Art Foundations	3
ART	102	Drawing I	3
GE	140	World Civilization I	3
GE	185	Health Concepts	2
GE	102	Comp. and Literature I	3
GE	122	Freshman Seminar	1
GE		Physical Ed. Activity	1
			16

SECOND SEMESTER			
COURSE AND NUMBER			HRS
ART	110	Color and Design	3
GE		Science with Lab	4
GE	103	Comp. and Literature II	3
GE	115	College Algebra	3
GE	141	World Civilization II	3
		Physical Ed. Activity	1
			17

SOPHOMORE YEAR

ART	111	Three-Dimensional Design	3
ART	200	Painting I	3
ART	103	Drawing II	3
GE	201	World Literature I	3
PSY	212	General Psychology	3
GE	135	Intro. to Music Literature	2
			17

ARTH		Art History	3
		OR	
ART	130	Art Appreciation	2
ART	230	Sculpture I	3
GE	202	World Literature II	3
GE		Science or Math	3
GE		Social/Behavior Science	3
			14-15

JUNIOR YEAR

ART	340	Photography I	3
ART	350	Ceramics I	3
ARTH		Art History	3
ART	450	Intro To Art Therapy	3
PSY	250	Developmental Psychology	3
			15

ART		Art Elective	6
ARTH		Art History	3
ART	451	Method in Art Therapy	3
PSY	360	Abnormal Psychology	3
			15

SENIOR YEAR

ART	460	Printmaking I	3
ART		Art Electives	6
ART	452	Sens. & Perception in Art Therapy	3
ARTH		Art History	3
			15

ART	406	Internship	3
		Elective	11
			14

MAJOR: B.A. Degree in Art (Graphic Design Minor)

A. General Education Core ..... 44 Sem Hrs

B. Major Core Requirements ..... 54 Sem Hrs

1. Core Courses ..... 45 Sem Hrs

ART	100	Art Foundations	3
ART	102	Drawing I	3
ART	103	Drawing II	3
ART	110	Color and Design	3
ART	111	Three-Dimensional Design	3
ART	220	Painting I	3
ART	230	Sculpture I	3
ART	340	Photography I	3
ART	350	Ceramics I	3
ART	460	Printmaking I	3
ART		Restricted Electives	12

Choose any 12 additional semester hours in ART.

2. Related Courses (Required) ..... 9 Sem Hrs

Choose any 9 semester hours from the following courses:

	ARTH	211	Ancient Art 3
	ARTH	212	Medieval Art 3
	ARTH	313	Renaissance Art 3
	ARTH	315	African American Art 3
	ARTH	317	Nineteenth-Century Art 3
	ARTH	318	Twentieth-Century Art 3
	ARTH	319	Baroque/Rococo Art 3
	ARTH	416	Theory of Contemporary Art Design 3
**	ARTH	417	History of Graphic Design 3

C. Minor in Graphic Design ..... 18 Sem Hrs

Required Courses

	ART	202	Graphic Design II 3
	ART	210	Typography 3
	ART	301	Graphic Design III 3
	ART	406	Internship in Art (Graphic Design) 3
	ART	409	Portfolio 3
	ART	302	Graphic Design IV 3

D. Unrestricted Electives ..... 9 Sem Hrs

Total Hours Required for Degree ..... 124 Sem Hrs.

*Art majors are not required to take GE 130. They may substitute any ARTH course for their General Studies requirement. Art majors electing this substitution will have 125 hours.

** Minors in Graphic Design are required to take ARTH 417 History of Graphic Design as one of their ARTH courses.

CURRICULUM GUIDE FOR MAJORS IN ART (GRAPHIC DESIGN MINOR)

FRESHMAN YEAR

FIRST SEMESTER

COURSE AND NUMBER			HRS
ART	100	Art Foundations	3
ART	102	Drawing I	3
GE	140	World Civilization I	3
GE	185	Health Concepts	2
GE	102	Comp. and Literature I	3
GE	122	Freshman Seminar	1
GE		Physical Ed. Activity	1
			16

SECOND SEMESTER

COURSE AND NUMBER			HRS
ART	110	Color and Design	3
GE		Science	3
GE		Science with Lab	1
GE	103	Comp. and Literature II	3
GE	115	College Algebra	3
GE	141	World Civilization II	3
		Physical Ed. Activity	1
			17

SOPHOMORE YEAR

ART	201	Graphic Design I	3
ART	200	Painting I	3
ART	103	Drawing II	3
GE	201	World Literature I	3
GE		Social/Behavior Science	3
GE	135	Intro. to Music Literature	3
			18

ART	202	Graphic Design II	3
ART	230	Sculpture I	3
GE	202	World Literature II	3
GE		Science or Math	3
GE		Social/Behavior Science	3
			15

JUNIOR YEAR

ART	340	Photography I	3	ART		Art Elective	3
ART	350	Ceramics I	3	ARTH		Art History	3
ART		Art History	3	ARTH		Art History	3
ARTH		Art Elective	3	ART		Art Elective	3
ART	210	Typography	3	ART		Advanced Studio I	3
			15				15

SENIOR YEAR

ART	460	Printmaking I	3	ART		Art Elective	3
ART	400	Advanced Studio I	3	ART	406	Internship (Graphic Design)	3
ART	301	Graphic Design III	3			Elective	7
		Elective	3				13
ARTH	417	History of Graphic Design	3				
			15				

MAJOR: B.S. Degree in Graphic Design

A. * General Education Core ..... 44 Sem Hrs

B. Major Core Requirements .....

1. Core Courses ..... 54 Sem Hrs

ART	100	Art Foundations	3
ART	102	Drawing I	3
ART	103	Drawing II	3
ART	110	Color and Design	3
ART	201	Graphic Design I	3
ART	202	Graphic Design II	3
ART	210	Typography	3
ART	301	Graphic Design III	3
ART	302	Graphic Design IV	3
ART	340	Photography I	3
ART	341	Photography II	3
ART	401	Graphic Design V	3
ART	406	Internship in Art (graphic design)	3
ART	409	Portfolio	3
ART	460	Printmaking I	3

2. Related Courses (Required) ..... 15 Sem Hrs

ARTH	417	History of Graphic Design	3
ART		Restricted Art Electives	12

C. Minor/Electives ..... 24 Sem Hrs

Total Hours Required for Degree ..... 124 Sem Hrs.

SUGGESTED GUIDE FOR MAJOR IN GRAPHIC DESIGN

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
ART	100	Art Foundation	3
ART	102	Drawing I	3
GE	140	World Civilization I	3
GE	185	Health Concepts	2
GE	102	Comp. and Literature I	3
GE		Physical Ed. Activity	1
GE	122	Freshman Seminar	1
			16

SECOND SEMESTER			
COURSE AND NUMBER			HRS
ART	110	Color and Design	3
ART	103	Drawing II	3
GE	103	Comp. and Literature II	3
GE	115	College Algebra	3
GE	141	World Civilization II	1
GE		Physical Ed. Activity	1
			16

SOPHOMORE YEAR

ART	201	Graphic Design I	3	ART	202	Graphic Design II	3
ART	210	Typography	3	GE		Soc/Behavior Science	3
GE	135	Music Lit	2	GE	202	World Lit II	3
GE	201	World Lit I	3	GE		Science or Math	3
GE		Science	3				15
GE		w/lab	1				
			15				

JUNIOR YEAR

ART	340	Photography I	3	ART	302	Graphic Design IV	3
ART		Elective	3	ART	341	Photography II	3
ART	301	Graphic Design III	3	ART		Elective	2
		Minor/Elective	3			Minor/Elective	9
ART		Elective	3				17
			15				

SENIOR YEAR

ARTH	417	History of Graphic Design	3			Minor/Elective	9
		Minor/Elective	6	ART	409	Portfolio	3
ART	460	Printmaking I	3	ART	406	Internship	3
ART	401	Graphic Design V	3				15
			15				

MINOR: Art

Required Courses

ART	100	Art Foundations	3
ART	110	Color and Design	3
ART	102	Drawing I	3
ARTH		Art History Elective	3
ART		Art Electives	6

Total Hours Required for Minor ..... 18 Sem Hrs

MINOR: Theatre Arts

Any combination of THEA courses to equal 18 semester hours

Total Hours Required for Minor ..... 18 Sem Hrs

MINOR: Museum Studies

Required Courses

ART	495	Museum Studies I	3
ART	496	Museum Studies II	3
		EITHER	
ART	406	Internship in Art	3
ART	497	Exhibition Design	3
		OR	
HIST	490	Internship in History	6
ART	498	Intro. to Museum Education	3
HIST	397	Historical Meth. & Historiography	3

Total Hours Required for Minor ..... 18 Sem Hrs

MINOR: Art Therapy

Required Courses

Students minoring in Art Therapy will choose PSY 212, General Psychology, to meet their General Education Requirement.

ART	450	Introduction to Art Therapy	3
ART	451	Methodologies of Art Therapy	3
ART	452	Sensation & Perception in Art Therapy	3
ART	406	Internship in Art (must be in art therapy)	3
PSY	250	Developmental Psychology	3
PSY	360	Abnormal Psychology	3

Total Hours Required for Minor ..... 18 Sem Hrs

MINOR: Graphic Design

Required Courses

ART	202	Graphic Design II	3
ART	210	Typography	3
ART	301	Graphic Design III	3
ART	302	Graphic Design IV	3
ART	406	Internship in Art (must be in graphic design)	3
ART	409	Portfolio	3

Total Hours Required for Minor 18

ACADEMIC CONCENTRATION: Art

ART	100	Art Foundations	3
ART	102	Drawing I	3
ART	110	Color & Design	3
ART	111	Three Dimensional Design	3
* ARTH		Art History Elective	3
ART		Art Electives	6

Total Hours Required for Academic Concentration ..... 21 Sem Hrs

* Students may use GE 130, Art Appreciation (2 sem. hrs.) and EDU 202, Music & Art for Classroom Teachers (2 sem. hrs.) as Art-H electives.

ART

ART 100: Art Foundations (3) (F)
Introduction to art and design theory, art history fundamentals, basic media skills &techniques. Survey of art related professions.

ART 102: Drawing I (3) (F, S)
An introduction to basic drawing experiences and concepts. Graphic representation of objects stressed through a variety of techniques.

ART 103: Drawing II (3) (F, S)
An application of design elements and principles in developing an individual understanding of pictorial space and organization. Prerequisite: ART 102.

ART 110: Color & Design (3) (S)
An investigation of the principles and elements of design and color taught through a series of experimental exercises. Emphasis on two-dimensional design and color theory.

ART 111: Three-Dimensional Design (3) (F)
Studies in design of space modulation, incorporating elements and principles of design theory as applied to three-dimensional design.

ART 201: Graphic Design I (3) (F)
An introductory course in commercial applications of art and design. Course includes an introduction to computer graphics, layout, advertising design, commercial production techniques, and photographic, videotape, and computer techniques. Prerequisite: ART 100.

ART 202: Graphic Design II (3) (S)
An intermediate course in commercial applications of art and design. Course includes production of computer graphics. Prerequisite: ART 201, or permission of instructor.

ART 210: Typography (3) (F)
The aesthetic and technical parameters of letter and numeral usage in design. Prerequisite: ART 110.

ARTH 211: Ancient Art (3) (F, S)
An analysis of painting, sculpture, crafts, and architecture of the civilizations of antiquity, including those of Prehistorical cultures, Egypt, Mesopotamia, Greece, Rome, India, China, Oceania, North and South America, Africa, and Pre-historic Europe.

ARTH 212: Medieval Art (3) (F, S)
A study of Western and Non-Western art from the end of the Classical era to the Renaissance.

ART 220: Painting I (3) (F)
A basic studio introduction to the techniques of painting. Emphasis placed on composition. Prerequisites: ART 100, 102, or permission of instructor.

ART 221: Painting II (3) (S)
A continuation of Painting I, introducing a variety of media. Prerequisite: ART 220.

ART 230: Sculpture I (3) (F)
Ceramics and wood: Introductory studio experience in the principles and techniques of sculpture in ceramics and wood. Prerequisite: ART 101 or permission of instructor.

ART 231: Sculpture II (3) (S)
Metals: Introductory studio experience in the principles and techniques of welded and cast sculpture in metals. Prerequisite: ART 101 or permission of instructor.

ARTH 301: Graphic Design III (3) (F)
Advanced digital manipulation of imagery, animation, and web-page design. Prerequisite: ART 202.

ART 302: Graphic Design IV (3) (S)
More advanced techniques in graphic design. Prerequisite: ART 301.

ART 313: Renaissance Art (3) (F, S)
Study and analysis of 14th-, 15th-, and 16th-century Italian and Northern Renaissance Art and architecture with emphasis on the works of leading masters. Overview of world art through the 14th to 16th centuries.

ARTH 315: African American Art (3) (F, S)
A study of contributions of African American artists in the United States.

ARTH 317: Nineteenth-Century Art (3) (F, S)
Covers the major art movements and artists of the nineteenth century, including Neoclassicism, Romanticism, Realism, Impressionism, Post-Impressionism, Fauve, and Nabi. Multicultural emphasis on worldwide art.

ARTH 318: Twentieth-Century Art (3) (F, S)
Covers the major art movements and artists/architects of the twentieth century including Cubism, Expressionism, de Styjl, Bauhaus, Surrealism, Regionalism, Abstract Expressionism, Pop, Op, Minimal, Conceptual, Post-Modern, Deconstructionism, and Outsider Art. Multicultural emphasis on worldwide art.

ARTH 319: Baroque/Rococo Art (3) (F, S)
A study of art and architecture during the 16th to 18th centuries, emphasizing major artists in France, Holland, and Spain. Overview of other 16th–18th-century cultures including Western and Non-Western art.

ART 340: Photography I (3) (F, S)
Introduction to black-and-white photography with emphasis on design. Prerequisite: ART 100 or permission of instructor.

ART 341: Photography II (3) (F, S)
Continuation of Photography I with emphasis on design, darkroom techniques, and principles of color development. Prerequisite: ART 340.

ART 350: Ceramics I (3) (F)
Hand-Building: An exploration of the nature of clay through hand-forming techniques. Glazes and firing will be explored. Prerequisite: ART 101 or permission of instructor.

ART 351: Ceramics II (3) (S)
Wheel-Throwing: An exploration of the potential of forming processes using the potter's wheel. Glazing and surface techniques will be explored. Prerequisite: ART 350.

ART 370: Jewelry I (3) (S)
Basic metal fabrication and casting techniques. Introduction to enameling and assemblage techniques. Prerequisite: ART 101 or permission of instructor.

ART 371: Jewelry II (3) (S)
In-depth exploration into the aesthetic potential of metal forming techniques. Introduction to vocational aspects of jewelry production. Prerequisite: ART 370.

ART 376: Glass I (3) (F)
An exploration of introductory techniques of working with hot and cold glass. Includes stained glass, mosaic, construction, fusing, and basic lampworking.

ART 377: Glass II (3) (F)
This course deals with advanced techniques in working with hot and cold glass. Students will design and construct art work in glass using advanced techniques in stained glass, fusing, construction, lampworking, and/or glass blowing. At the completion of this course students will be able to achieve professional level constructions in glass. Prerequisite: ART 376, Glass I.

ART 390: Fashion Design Illustration (3) (F, S)
A study of accurately drawing the clothed human body. Emphasis on fashion model proportions, design silhouettes, pattern and textured fabrics, woven vs. knit drapery. Media to be explored include watercolor, gouache, color-pencil, ink, and computer drawing.

ART 393: Fashion Design I (3) (F, S)
Introduction to the design and construction of fashion. Covers, but not limited to, textile analysis, proportion, tailoring techniques, fabric construction, and design techniques. Prerequisite: ART 390, or permission of instructor.

ART 394: Fashion Design II (3) (F, S)
Continuation of ART 393. Professional practices in fashion design. Prerequisite: ART 393.

ART 400: Advanced Studio I (3) (F, S)
Individualized in-depth study in painting, sculpture, ceramics, printmaking, or other media in which student develops own personal style in media. Prerequisites: ART 221, 231, 351, or permission of instructor.

ART 401: Advanced Studio II (3) (F, S)
Continuation of the development of a personal style. Preparation of work for exhibition will be a component of this course. Prerequisite: ART 400.

ART 402: Advanced Studio III (3) (F, S)
Continuation of a personal style in the chosen media which incorporates advanced techniques. Exhibition of work is an integral component of this course. Prerequisite: ART 401.

ART 403: Advanced Studio IV (3) (F, S)
Mastery of a professional style and technique in chosen media. Development of a professional attitude and work habits is included in this course. Commercial exhibition of work is required. Prerequisite: ART 402.

ART 406: Internship in Art (3) (F;S;SU)
This course provides students with the opportunity to gain practical experience and perspective in the professional world of art. Internships may be served at art councils, museums, galleries, or with design firms, advertising agencies, or professional artists, etc., which are able to provide students with a well-rounded preprofessional work experience. Supervision will be by a professional on the field and a faculty supervisor from the university.

ART 409: Portfolio (3) (S)
In preparation for job interviews, a design portfolio is assembled and refined. Working individually with an instructor, each student selects pieces showcasing work that represents a unique style and demonstrates over-all conceptual ideas. This course must be taken in the final semester in residence. Prerequisite: Students need approval of the faculty committee, which reviews portfolio proposals in the semester before this course is to be taken.

ART 410: Graphic Design V (3) (F)
Senior level graphic design. Prerequisite: ART 302.

ARTH 416: Theory of Contemporary Art and Design (3) (F, S)
Broad introduction of theories of contemporary art and design. Includes aesthetics; design theory; exploration of publications, galleries, and museums; career opportunities in art; etc.

ARTH 417: History of Graphic Arts (3) (F, S)
Historical and critical survey of printmaking from ancient times through twentieth century. Emphasis on process/techniques of printing in etching, lithography, block printing, and screen printing. Overview of more modern technologies, processes, and productions will be included. Worldwide view of graphic arts.

ART 445: Filmmaking (3) (S)
An introductory course which investigates the history and techniques of filmmaking as an art form. Students will design, produce, and edit their original videos as a component of this course.

ART 450: Introduction to Art Therapy (3) (F)
This course will be an introduction to Art Therapy; includes: professional standards and issues, the role of the art therapist in the clinical situation, and basic art therapy theories and practices.

ART 451: Methodologies of Art Therapy (3) (S)
This course will cover professional methodologies in art therapy; development in art; parameters of the clinical situation, and use of art in clinical practice. Prerequisite: ART 450

ART 452: Sensation & Perception in Art Therapy
This course will deal with theories of sensation and perception as they apply to art therapy. Prerequisite: ART 451.

ART 460: Printmaking I (3) (F)
An introduction to major processes and materials in printmaking. Emphasis on block and intaglio techniques. Prerequisites: ART 100, 103.

ART 461: Printmaking II (3) (F, S)
Serigraphy: An examination of silk screen printing. The production of original works is required. Prerequisite: ART 460.

ART 480: Interior Design I (3) (F, S)
Basic studio problems including a study of period and contemporary styles. Measurements and scaling of interior space and furniture; perspective drawing and rendering; floor plans; textile evaluation and usage. Prerequisite: ART 100 or permission of instructor.

ART 481: Interior Design II (3) (F, S)
Intermediate level studio problems and exploration in the study of interior design. Prerequisite: ART 480.

ART 485: Arts Management (3) (F)
Topics to be covered: Arts councils and other governmental and non-profit arts agencies; galleries and other for-profit arts agencies; theories of arts management; legal issues in arts management; professional business practices; the business of art; arts production, promotion, and presentation; exhibition planning, installation, and sales.

ART 490: Fibers (3) (F, S)
Basic weaving techniques, tapestry and loom weaving, and survey of fiber techniques. Prerequisite: ART 100 or permission of instructor.

ART 495: Museum Studies I (3) (F)
An introduction to the museum and to museum studies. Topics covered include: the history of museums; museum management; types of museums; education within the museum setting; funding/grants; museum personnel volunteers, donors, development, marketing, and advertising.

ART 496: Museum Studies II (3) (S)
An introduction to exhibition design and development, collections management, architecture, and archival techniques.

ART 497: Exhibition Design (3) (S)
Topics to be covered include: the design and construction of exhibits, signage, development of brochures, catalogs, promotional materials, etc.

ART 498: Introduction to Methods in Museum Education (3) (F;S)
Introduction to basic educational theories applied to the museum setting, such as development from the pre-school through the geriatric learner. Appropriate instructional techniques within the museum setting. Supervision of volunteers. Role of educator in various types of museum settings.

THEATRE ARTS DRAMA

THEA 320: University Players Workshop (1) (F,S)
Combination laboratory and performance activity open to all students wishing to participate in productions of the University Players. Elementary instruction in acting, scenery, costuming makeup, lighting, arts and crafts of the theatre. Course materials vary each semester in accordance with requirements of plays currently being produced. May be repeated each semester, up to a total of eight hours, for credit. Meets two nights per week for a minimum of four clock hours per week after a satisfactory rehearsal schedule has been arranged.

THEA 321: Appreciation of Drama (2) (S)
Introduction to both the practice and literature of the theatre, with emphasis on drama as an art form: how the actor, director, and designer function. Outstanding plays of major periods demonstrate technical, aesthetic aspects of theatrical production. Illustrated lectures, demonstrations, and classroom exercises.

THEA 324: Introduction to Dramatic Arts (3)(F)
Survey of all the arts and crafts of the Theatre for the beginning student, with emphasis on acting and involvement. Course culminates in production of a play, in which all aspects of dramatics will be reflected.

THEA 325: Play Production I: Acting and Directing (3) (S)
Fundamentals of stage movement for both actor and director. Students have opportunities to perform in several short scenes for presentation to members of the class and selected audiences in the Little Theatre. Students interested in directing and who demonstrate necessary talents will be permitted to direct short scenes or a one-act play involving other members of the class.

THEA 326: Play Production III: Theatre Crafts (3) (S)
Continuation of Play Production I. Emphasis on the crafts of theatre, including stagecraft, makeup, costuming, scenery, lighting and sound effects. Course developed primarily through audiovisual materials, lecture-demonstrations, individual and group projects. All students will participate in the production of at least one play by the University Players. Laboratory hours to be arranged. Prerequisite: DRAM 325 or consent of Department Chairperson.

THEA 327: Advanced Acting (3) (F)
Advanced work in theory and practice of acting; advanced work in analyzing and building a character, with emphasis on the Stanislavski System. Students will have further opportunity for additional study in the use of movement, vocal techniques, and improvisation through short scenes performed in class and classroom exercises. Prerequisite: DRAM 325 or consent of Department Chairperson.

THEA 328: Advanced Directing (3) (S)
Study of theory and practice of play directing for the advanced student. Classroom theory to be supported by individual experience in selection and analysis of scripts, casting, rehearsal, and production. Emphasis on director relationships developed through scene work performed in class. Prerequisite: DRAM 325 or consent of Department Chairperson.

THEA 329: Costume/Make-Up for Theatre (3) (F)
Study of the craft of costuming for theatre, film and television. Character analysis to develop and shop for costumes for plays, motion pictures and television. The course would include the creation of make-up and hair styles from sketch to application to actor in order to enhance the visual look of the costume.

THEA 425: Studies in Black Drama (3) (S)
Survey of the contributions of Black Americans to theatre, from the minstrel tradition to the present day. Emphasis on the main periods in the development of the Black playwright and the persistent social problems with which he has been concerned. Prerequisites: GE 201, 202 or 203H, 204H.

THEA 427: Development of the Theatre (3) (F)
Survey of the chief periods of the theatrical history and the major developments in drama and the theatre during each of these periods. Course developed primarily through audiovisual materials. Prerequisites: GE 201, 202 or GE 203H, 204H.

THEA 479: Special Topics in Drama and Theatre (3) (S)
Advanced study and analysis of drama and theatre arts, including problems and situations. This course will feature different topics and may be repeated for credit each semester if it is offered. Prerequisites: DRAM 421, DRAM 324 or SPCH 312 or with the permission of Department Chairperson.

GENERAL EDUCATION

GE 130: Art Appreciation (2) (F, S, SS)
Analysis of selected examples of major art works. Designed to give students an understanding of the purposes and historical roles of the visual arts in Western and Non-Western cultures.

GE 130H: Art Appreciation Honors (2) (F)
Designed especially for Honors Program students, offering opportunities for independent study, research, analytical thinking, oral reporting, and other special activities emphasizing the purpose and historical roles of the visual arts in Western and Non-Western cultures.

DEPARTMENT OF
History & Political Sciences

The Department of History and Political Science offers courses, related academic experiences, and programs leading to degrees in History and Political Science.

Bachelor of Arts in History
- With a minor in Secondary Education
- With a concentration in Public History
- With a minor of choice

Bachelor of Arts in Political Science
- With a minor of choice
- With a minor in Public Administration

The Department of History and Political Science offers a B.A. Degree in History, History with a minor in Secondary education, History with a concentration in Public History; and Political Science, and Political Science with a minor in Public Administration. The degree programs are designed to provide students with broad liberal arts education, to create an environment for students to develop academic skills in understanding their culture, history, and political institutions; and those of other societies and nations. Both the History and Political Science programs are committed to prepare thoughtful citizens and productive members of society through the utilization of diverse pluralistic curricula. The department offers a supportive and challenging learning environment that encourages majors to grow academically and professionally. As one of he department's goals of training students to be productive members of society, we prepare teachers for public schools and provide outreach to the community through academic programs and student clubs. These activities are at the core of the department's mission. The department is organized to prepare students for advanced study in history, political science, law, public administration, or other fields that lead to a wide variety of career options. The Department seeks to achieve the following goals:

1. To provide general studies courses for the general education curriculum.
2. To provide core courses leading to the B.A. Degree in History.
3. To provide core courses leading to the B.A. Degree in Political Science.
4. To provide majors a coherent learning experience through coursework, internships, access to educational activities, discipline related technology, and community service.
5. To prepare students to teach in the public schools.
6. To prepare students for graduate study in the disciplines of History, Political Science, Law, Public Administration, and other fields.
7. To offer minor fields in History, Political Science, and Public Administration to all ECSU students.

History Degree Program:

This program seeks to provide a sound undergraduate education for students who may desire employment in the public schools or who wish to pursue graduate studies in history, government, international relations, law, or journalism. The program further develops skills and techniques in research, writing, critical thinking and analysis; it fosters attitudes of respect, appreciation, admiration, tolerance, and broad-mindedness toward the American people and their culture and toward people of ancient and modern civilizations; and to introduce the student to man's political, social, economic, and cultural heritage. In consultation with the advisor and recommendation of chairperson, student can minor in other academic areas.

Political Science Degree Program

This program seeks to provide undergraduate studies in Political Science and Public Administration; develop an understanding of the organization of local, state, and federal government; enable students to comprehend the formation and execution of public policy; prepare candidates for careers in government, law, research, graduate and professional school; and facilitate admission to law schools. In consultation with advisor and recommendation of chairperson, student can minor in other academic areas.

The Department, in conjunction with the Division of Education offers teacher licensure in History with a minor in Secondary Education.

History Education

Students who wish to major in History and minor in Secondary Education must follow the curriculum for History majors and the curriculum for Secondary Education found under listings for School of Education.

The history major also offers courses leading to a second major in Social Sciences for Elementary Education majors, and course work for the Social Sciences concentration in Middle-Grades Education.

History Major Concentration In Public History

Students who wish to major in History with a concentration in Public History must follow the curriculum for a major in History. In addition, the student must take HIST 489 (Historic Site Interpretation) and complete six semester hours of HIST 490 (Internship in History) with an approved agency outside the university.

MAJOR: B.A. in History

A.	**General Education Core**		**43**	**Sem Hrs**
B.	**Major Core Requirements**		**33**	**Sem Hrs**
	HIST 200	Introduction to History	3	
	HIST 250	Afro-American History	3	
	HIST 255	American History to 1877	3	
	HIST 256	American History Since 1877	3	
	HIST 351	Colonial and Revolutionary America	3	
	HIST 354	The Social and Cultural History of the U.S.	3	
	HIST 355	Constitutional History of the United States	3	
	HIST 376	History of North Carolina	3	
	HIST 385	Mod. European Hist. 1815–1914	3	
	HIST 386	Europe Since 1914	3	
	HIST 397	Historical Methods and History	3	
	HIST 452	The Age of Jackson, 1820–1850	3	
	HIST 453	The Civil War and Reconstruction	3	
	HIST 458	The U.S. Since 1900	3	
	HIST 465	History of Modern Asia	3	
	HIST 467	Modern Russian History	3	
	HIST 473	Africa: Past and Present	3	
	HIST 477	History of Latin America	3	
	HIST 499	History Seminar	3	
C.	**Related Major Requirement**			
	ECON 201	Principles of Economics	3	
D.	**Suggested Courses**		**9**	**Sem Hrs**
	Select nine semester hours from the following:			
	PHIL 250	Intro. to Philosophy	3	
	POLS 301	American National Government	3	
	POLS 303	Political Theory	3	
	POLS 307	American Political Ideas	3	
	POLS 483	International Relations	3	
E.	**Minor**		**36**	**Sem Hrs**
Total Hours Required for Degree			**124–128**	**Sem Hrs**

1. Complete a minimum of 124 hours with a cumulative grade point average of 2.0 or higher. The last 30 hours must be completed at ECSU.
2. Freshman and sophomore years – complete the requirements for General Studies.
3. History major requirements – complete the following:
   a. History 200 must be taken in the Sophomore year
   b. History 250, 255, 256, 376, and 397
   c. Six hours of 300 level History courses
   d. Nine hours of 400 level History courses
   e. Economics 201
4. Suggested courses in Political Science: nine hours

CURRICULUM GUIDE FOR MAJORS IN HISTORY

FRESHMAN YEAR

FIRST SEMESTER COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
GE	115	College Algebra	3
GE	122	Freshman Seminar	1
GE	135	Intro. to Music Literature	2
GE	140	World Civilization I	3
GE		Natural Sci./Lab	4
GE		Physical Ed. Activity	1
			16

SECOND SEMESTER COURSE AND NUMBER			HRS
GE	141	World Civilization II	3
GE	103	Comp. and Literature II	3
GE	130	Art Appreciation	2
GE	185	Health Concepts	2
GE		Natural Sci. or Math	3
GE		Physical Ed. Activity	1
PSY	212	General Psychology	3
			17

SOPHOMORE YEAR

GE	201	World Literature I	3
HIST	200	Intro. to History	3
HIST	255	American Hist. to 1877	3
POLS		Related Course	3
		Minor/Electives	6
			18

GE	202	World Literature II	3
HIST	250	Afro-American History	3
HIST	256	American Hist. Since 1877	3
POLS		Related Course	3
ECON	201	Principles of Economics I	3
			15

JUNIOR YEAR

HIST	300	Two Courses	6
HIST	397	Hist. Meth. and Hist.	3
HIST	376	History of NC	3
		Minor/Electives	3
			15

HIST	400	History Elective	3
HIST	400	History Elective	3
		Minor/Electives	9
			15

SENIOR YEAR

HIST	400	History Elective	3
		Minor/Electives	12
			15

HIST	453	Civil War and Recon.	3
		Minor/Electives	9
			12

MAJOR: B.A. in History with a Minor in Secondary Education

A. General Education Core ..... 43 Sem Hrs

B. Major Core Requirements ..... 33 Sem Hrs

HIST	250	Afro-American History	3
HIST	255	American History to 1877	3
HIST	256	American History Since 1877	3
HIST	376	History of North Carolina	3
HIST	385	Mod. European Hist. 1815–1914	3
HIST	386	Europe Since 1914	3
HIST	397	Historical Methods and History	3
HIST	451	*Colonial and Revolutionary America	3
HIST	452	The Age of Jackson, 1820–1850	3
HIST	453	The Civil War and Reconstruction	3
HIST	454	*The Social and Cultural History of the U.S.	3
HIST	455	*Constitutional History of the United States	3
HIST	458	The U.S. Since 1900	3
HIST	465	*History of South and Southeast Asia	3
HIST	467	*Modern Russian History	3
HIST	473	*Africa: Past and Present	3
HIST	477	*History of Latin America	3
HIST	499	*History Seminar	3

C. Related Major Requirement

ECON	201	Principles of Economics	3

D. Related Courses ..... 9 Sem Hrs

Select nine semester hours from the following:

PHIL	250	Intro. to Philosophy	3
POLS	301	American National Government	3
POLS	303	Political Theory	3
POLS	307	American Political Ideas	3
POLS	483	International Relations	3

E. *Minor In Education ..... 28 Sem Hrs

Total Hours Required for Degree ..... 124–128 Sem Hrs

* See requirements for Secondary Education found under the Education Curriculum.

CURRICULUM GUIDE FOR MAJORS IN HISTORY MINOR IN SECONDARY EDUCATION

FRESHMAN YEAR

FIRST SEMESTER

COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
GE	115	College Algebra	3
GE	122	Freshman Seminar	1
GE	135	Intro. to Music Literature	2
GE	140	World Civilization I	3
GE		Natural Sci./Lab	4
GE		Physical Ed. Activity	1
			17

SECOND SEMESTER

COURSE AND NUMBER			HRS
GE	141	World Civilization II	3
GE	103	Comp. and Literature II	3
GE	130	Art Appreciation	2
GE	185	Health Concepts	2
GE		Natural Sci. or Math.	3
PSY	212	Gen. Psychology	3
			16

SOPHOMORE YEAR

GE	142	Intro. To Geography	3
GE	201	World Literature I	3
GE	220	Sophomore Seminar	1
GE		Physical Ed. Activity	1
HIST	255	American Hist. To 1877	3
HIST	200	Intro. to History	3
EDUC	201	Foundations of Education	3
			17

GE	202	World Literature II	3
HIST	250	Afro-American History	3
HIST	256	American Hist. Since 1877	3
HIST	376	History of NC	3
POLS		Related Course	3
ECON	201	Principles of Economics I	3
			18

JUNIOR YEAR

HIST	397	Hist. Meth. & Hist.	3
PSYC	309	Ed. Psychology.	3
SPED	200	Survey of Exceptional Child. & Youth	3
PSY	302	Human Development	3
		Electives	6
			18

POLS		Related Course	3
READ	320	Tchg. Reading in the Content Areas	2
HIST	300	History Elective	3
HIST	300	History Elective	3
		Electives	6
			17

SENIOR YEAR

HIST	400	History Elective	3
HIST	400	History Elective	3
HIST	400	History Elective	3
EDUC	400	Senior Seminar	P/F
EDUC	430	Secondary Instr. Meth.	3
EDUC	479	Multicultural Education	3
			15

EDUC	466	Obs. & Student Teaching	6
EDUC	478	Seminar in Cont. Ed. Issues	P/F
			6

MAJOR: B.A. in History with a Public History Concentration

A. General Education Core ..... 43 Sem Hrs

B. Major Core Requirements ..... 33 Sem Hrs

HIST	200	Introduction to History 3
HIST	250	Afro-American History 3
HIST	255	American History to 1877 3
HIST	256	American History Since 1877 3
HIST	351	Colonial and Revolutionary America 3
HIST	354	The Social and Cultural History of the U.S. 3

	HIST	355	Constitutional History of the United States	3
	HIST	376	History of North Carolina	3
	HIST	385	Mod. European Hist. 1815–1914	3
	HIST	386	Europe Since 1914	3
	HIST	397	Historical Methods and History	3
	HIST	452	The Age of Jackson, 1820–1850	3
	HIST	453	The Civil War and Reconstruction	3
	HIST	458	The U.S. Since 1900	3
	HIST	465	History of Modern Asia	3
	HIST	467	Modern Russian History	3
	HIST	473	Africa: Past and Present	3
	HIST	477	History of Latin America	3
	HIST	499 *	History Seminar	3
1.	Public History Concentration			6 Sem Hrs
	HIST	489	Historic Site Interpretation	3
	HIST	490	Internship in History	6

C. Related Major Requirement

	ECON	201	Principles of Economics	3

D. Suggested Courses ..... 9 Sem Hrs

Select nine semester hours from the following:

PHIL	250	Intro. to Philosophy	3
POLS	301	American National Government	3
POLS	303	Political Theory	3
POLS	307	American Political Ideas	3
POLS	483	International Relations	3

E. ** Minor ..... 30 Sem Hrs

Total Hours Required for Degree ..... 124–128 Sem Hrs

* Select twelve hours.

** See requirements for Secondary or Middle Grades Education found under the Education Curriculum.

CURRICULUM GUIDE FOR MAJORS IN HISTORY
PUBLIC HISTORY CONCENTRATION

FRESHMAN YEAR

FIRST SEMESTER

COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
GE	115	College Algebra	3
GE	122	Freshman Seminar	1
GE	135	Intro. to Music Literature	2
GE	140	World Civilization I	3
GE		Natural Sci./Lab	4
GE		Physical Ed. Activity	1
			17

SECOND SEMESTER

COURSE AND NUMBER			HRS
GE	141	World Civilization II	3
GE	103	Comp. and Literature II	3
GE	130	Art Appreciation	2
GE	185	Health Concepts	2
GE		Natural Sci. or Math	3
PSY	212	Gen. Psychology	3
			16

SOPHOMORE YEAR

GE	201	World Literature I	3
GE		Physical Ed. Activity	1
HIST	255	American Hist. to 1877	3
POLS		Related Course	3
ECON	201	Principles of Economics	3
HIST	200	Intro to History	3
			16

GE	202	World Literature II	3
HIST	250	Afro-American History	3
HIST	256	American Hist Since 1877	3
POLS		Related Course	3
HIST	489	Historical Site Interpretation	3
			15

SUMMER

HIST 490 Internship in History 3

JUNIOR YEAR

HIST	300	.....	3	HIST	400	History Elective	3
HIST	300	.....	3	HIST	400	History Elective	3
HIST	397	Hist. Meth. and Hist	3			Minor/Elective	9
HIST	376	History of North Carolina	3				15
		Minor/Electives	3				
			15				

SUMMER

HIST 490 Internship in History 3

SENIOR YEAR

HIST	400	History Elective	3			Minor/Electives	15
		Minor/Electives	12				15
			15				

MAJOR: B.A. in Political Science

A.	**General Education Core**		**43**	**Sem Hrs**
B.	**Major Core Requirements**		**36**	**Sem Hrs**
	POLS	200	Intro. to Political Science	3
	POLS	301	American National Government	3
	POLS	305	Political Theory	3
	POLS	304	State and Local Government	3
	PAD	200	Public Administration	3
	POLS	307	American Political Ideas	3
	POLS	310	American Presidency	3
	POLS	311	Political Science Methods	3
	POLS	403	American Foreign Policy	3
	POLS	404	Comparative Politics	3
	POLS	405	Seminar/Research in Pol. Sci.	3
	POLS	483	International Relations	3
	POLS	484	International Organization	3
C.	**Related Courses**		**12**	**Sem Hrs**
	Select 12 semester hours from the following:			
	CJ	310	American Const. Law	3
	CJ	406	Intro. to Jurisprudence	3
	HIST	250*	Afro-American History	3
	HIST	255	American History to 1877	3
	HIST	256	American History Since 1877	3
	HIST	385	Mod. European Hist. 1815–1914	3
			or	
	HIST	386	Europe Since 1914	3
	PHIL	250	Intro. to Philosophy	3
			or	
	PHIL	251	Soc. and Pol. Philosophy	3
D.	**Minor/Electives**		**33**	**Sem Hrs**
	Total Hours Required for Degree		**124**	**Sem Hrs**

*Indicates Required Course

CURRICULUM GUIDE FOR POLITICAL SCIENCE MAJORS

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	122	Freshman Seminar	1
GE	102	Comp. and Literature I	3
GE	115	College Algebra	3
GE	140	World Civilization I	3
GE		Natural Sci./Lab	4
GE		Physical Ed. Activity	1
GE	185	Health Concepts	2
			17

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE	141	World Civilization II	3
GE	103	Comp. and Literature II	3
GE	130	Art Appreciation	2
GE		Natural Sci./Math	3
PSY	212	Gen. Psychology	3
GE		Physical Ed. Activity	1
			15

SOPHOMORE YEAR

GE	135	Intro. to Music Literature	2
GE	201	World Literature I	3
HIST	250	Afro-American History	3
HIST	255	American Hist. to 1877	3
PHIL	250	Intro. to Philosophy	3
POLS	200	Intro. to Pol. Sci.	3
			17

GE	202	World Literature II	3
HIST	256	American Hist. Since 1877	3
PHIL	251	Soc. and Pol. Phil.	3
POLS	301	American Natl. Gov't.	3
POLS	303	Political Theory I	3
		OR	
POLS	305	Political Theory	3
		Minor/Electives	6
			15

JUNIOR YEAR

HIST	385	Mod. Eur. Hist. 1815–1914	3
POLS	304	State and Local Gov't.	3
PAD	200	Public Administration	3
POLS	311	Political Science Methods	3
		Minor/Electives	3
			15

HIST	386	Europe Since 1914	3
CJ	310	American Const. Law	3
POLS	310	American Presidency	3
		Minor/Electives	9
			18

SENIOR YEAR

CJ	406	Intro. to Juris.	3
POLS	403	American Foreign Policy	3
POLS	483	International Relations	3
POLS	405	Sem./Research in Pol. Sci.	3
POLS	404	Comparative Gov't.	3
			15

POLS	484	International Organ.	3
		Minor/Electives	15
			18

*Select a total of 12 semester hours from these courses.

MAJOR: B.A. In Political Science/Public Administration Minor

A.	**General Education Core**		**43**	**Sem Hrs**
B.	**Major Core Requirements**		**36**	**Sem Hrs**
	POLS	200	* Intro. to Political Science	3
	POLS	301	American National Government	3
	POLS	304	State and Local Government	3
	POLS	305	Political Theory	3
	PAD	200	Public Administration	3
	POLS	307	American Political Ideas	3
	POLS	311	*Political Science Methods	3
	PAD	401	Intro. to Public Policy	3
	POLS	402	Pol./Prob. of Contemporary Africa	3
	POLS	403	American Foreign Policy	3
	POLS	404	Comparative Government	3
	POLS	405	*Seminar/Research in Pol. Sci.	3
	POLS	483	International Relations	3
	POLS	484	International Organization	3
	Concentration in Public Administration			15 Sem Hrs
	PAD	200	Intro. to Public Administration	3
	PAD	301	Public Personnel Administration	3
	PAD	302	Public Finance and Budgeting	3

PAD	400	Organizational Theory and Behav.	3
PAD	401	Introduction to Public Policy	3
PAD	402	Internship in Public Administration	3
Related Courses			12 Sem Hrs
CJ	310	American Const. Law	3
CSC	111	Intro. To Computing	3
HIST	250	Afro-American History	3
HIST	255	American History to 1877	3
HIST	256	American History Since 1877	3
HIST	385	Mod. European Hist. 1815–1914	3
		or	
HIST	386	Europe Since 1914	3
PHIL	250	Intro. To Philosophy	3
		or	

C. Electives ..... 18 Sem Hrs

Total Hours Required for Degree ..... 124 Sem Hrs

* Indicates Required Courses

CURRICULUM GUIDE FOR POLITICAL SCIENCE MAJORS PUBLIC ADMINISTRATION MINOR

FRESHMAN YEAR

FIRST SEMESTER COURSE AND NUMBER			HRS
GE	122	Freshman Seminar	1
GE	102	Comp. and Literature I	3
GE	115	College Algebra	3
GE	140	World Civilization I	3
GE		Natural Sci./Lab	4
GE		Physical Ed. Activity	1
GE	185	Health Concepts	2
			17

SECOND SEMESTER COURSE AND NUMBER			HRS
GE	141	World Civilization II	3
GE	103	Comp. and Literature II	3
GE	130	Art Appreciation	2
GE		Natural Sci./Math	3
PSY	212	Gen. Psychology	3
GE		Physical Ed. Activity	1
			15

SOPHOMORE YEAR

GE	135	Intro. to Music Literature	2
GE	201	World Literature I	3
HIST	250*	Afro-American History	3
HIST	255*	American Hist. to 1877	3
PHIL	250	Intro. to Philosophy	3
			14

GE	202	World Literature II	3
HIST	256*	American Hist. Since 1877	3
CSC	111*	Intro. to Computing	3
POLS	301	American Natl. Gov't.	3
POLS	303	Political Theory I	3
		OR	
		Political Theory II	3
PAD	200	Intro. to Public Administration	3
			18

JUNIOR YEAR

HIST	385*	Mod. Eur. Hist. 1815–1914	3
POLS	304	State and Local Gov't.	3
POLS	311	Political Science Methods	3
PAD	301	Public Personnel Admin.	3
			12

HIST	386*	Europe Since 1914	3
CJ	310*	American Const. Law	3
POLS	310	American Presidency	3
PAD	302	Public Finance and Budget	3
PAD	401	Introduction to Public Policy	3
		Minor/Electives	3
			18

SENIOR YEAR

PAD	400	Org. Theory and Behav.	3
POLS	403	American Foreign Policy	3
POLS	483	International Relations	3
POLS	405 *	Sem/Research in Pol. Sci.	3
POLS	404	Comparative Politics	3
		Minor/Elective	3
			18

POLS	484	International Organ.	3
PAD	402	Internship	3
		Minor/Electives	9
			15

Total Hours Required ..... 124 Sem Hrs

* Select a total of 12 semester hours from these courses, one of which must include CSC 111 - Intro. to Computing.

Social Sciences Academic Concentration ..... 24-27 Sem Hrs

HIST	255	* American History to 1877	3
HIST	256	American History Since 1877	3
HIST	376	History of North Carolina	3
POLS	301	American National Government	3
POLS	303	Political Theory	3
SOC	201	* Introduction to Sociology	3

History or Sociology Electives ..... 3 Sem Hrs

HIST	250	Afro-American History
SOC	202	* Social Problems
SOC	305	Sociology of the Afro-American
SOC	360	Social Psychology

Geography/Psychology Electives ..... 6 Sem Hrs

GE	142	** Introduction to Geography
PSY	212	** General Psychology

* Courses meet dual requirements for General Studies and the Second Major.
** Required of Teaching Majors .....24 Semester Hours

MINOR: American History

HIST	250	Afro-American History	3
HIST	385	Mod. European Hist. 1815–1914	3
HIST	200	Introduction to History	3
HIST	a451	Colonial and Revolutionary America	3
HIST	452	The Age of Jackson 1820–1850	3
HIST	453	The Civil War and Recon.	3
HIST	458	The U.S. Since 1900	3
HIST	351	Colonial and Revolutionary America	3

Total Hours Required for Minor ..... 24 Sem Hrs

MINOR: Black Studies

ENGL	458	Black Writers in American Literature	3
DRAM	425	Studies in Black Drama	3
HIST	250	Afro-American History	3
HIST	473	Africa: Past and Present	3
SOC	302	Race and Ethnic Relations	3
ART	347	Black Art	3
MUS	407	The Afro-American in Music	3

Total Hours Required for Minor ..... 21 Sem Hrs

MINOR: Political Science

POLS	200	Intro. to Political Science	3
POLS	301	American National Government	3
POLS	304	State and Local Government	3
POLS	305	Political Theory II	3
PAD	200	Public Administration	3
POLS	311	Political Science Methods	3
POLS	404	Comparative Government	3

Total Hours Required for Minor ..... 21 Sem Hrs

MINOR: Public Administration

PAD	200	Introduction to Public Administration	3
PAD	301	Public Personnel Administration	3
PAD	302	Public Finance and Budgeting	3
PAD	400	Organizational Theory and Behavior	3
PAD	401	Introduction to Public Policy	3
PAD	402	Internship in Public Administration	3
POLS	301	American National Government	3
POLS	304	State and Local Government	3

Total Hours Required for Minor ..... 24 Sem Hrs

GENERAL EDUCATION

GE 140: History of World Civilization (3) (F;S;SS)
World Civilization from prehistoric times to the beginning of early modern times. Survey of political, economic, social, and intellectual history of major civilizations before the period of Western domination. Particular emphasis upon ancient Egypt and Mesopotamia, ancient India and China, native cultures in the Americas, Islam at its height, Afro-Islamic kingdoms of West Africa, classical Mediterranean civilizations, medieval Europe, Renaissance, Reformation, and Age of Discovery. No Prerequisite.

GE 140H: History of World Civilization Honors (3) (F)
World Civilization from prehistoric times to the beginning of early modern times. Survey of political, economic, social, and intellectual history of major civilizations before the period of Western domination. Particular emphasis upon ancient Egypt and Mesopotamia, ancient India and China, native cultures in the Americas, Islam at its height, Afro-Islamic kingdoms of West Africa, classical Mediterranean civilizations, medieval Europe, Renaissance, Reformation, and Age of Discovery. No Prerequisite.

GE 141: History of World Civilization (3) (F;S;SS)
This course is a study of World Civilization from 1700 to the present continuation of GE 140. It is a survey of the political, economic, social, and intellectual history of European, American, African, and Asian societies. Particular attention will be devoted to the growth of nationalism, the age of revolution, new achievements in science and art, the effects of European colonialism on the indigenous peoples of Africa, Asia, and Latin America, and the causes and results of the First World War, Second World War, the Cold War, and the post Cold War. No Prerequisite.

GE 141H: History of World Civilization Honors (3) (S)
This course is a study of World Civilization from 1700 to the present continuation of GE 140. It is a survey of the political, economic, social, and intellectual history of European, American, African, and Asian societies. Particular attention will be devoted to the growth of nationalism, the age of revolution, new achievements in science and art, the effects of European colonialism on the indigenous peoples of Africa, Asia, and Latin America, and the causes and results of the First World War, Second World War, the Cold War, and the post Cold War. No Prerequisite.

HISTORY

History 200 Prerequisite applies to History majors only

HIST 200: Introduction to History (3) (F;1)
An introduction to the methods of historical research, historical terminology and historical theory. Must be the first history course taken.

HIST 250: Afro-American History (3) (F;S)
General survey of African backgrounds of African Americans and the part they played in the exploration and development of America and the study of African Americans' relationships with constitutional, political, economic, social, and cultural development of the United States. Prerequisite HIST 200.

HIST 255: American History To 1877 (3) (F;S;SS)
General political, constitutional, social and economic development of the United States from the development of native cultures to the end of Reconstruction. Prerequisite: GE 140, HIST 200.

HIST 256: American History Since 1877 (3) (F;S;SS)
Continuation of HIST 255. Analysis of political, constitutional, social, and economic growth of United States from 1877 to present. Emphasis on industrial development, economic depressions, the two World Wars, and social movements for equality as factors in American growth and development. Prerequisite: HIST 200, 255.

HIST 351: Colonial and Revolutionary America (3) (F)
Study of the foundation of the colonies and characteristics of the society established; considerable attention to Native American, European and African background of the colonization movement; origins and impact of the War for Independence; and the basis for establishment of a new national government in 1787. Prerequisite: HIST 200, 255, 256, 250, and two 300 Level Courses.

HIST 354: The Social and Cultural History of The United States (3) (1;S)
Development of American society with emphasis on life of the people and influence of changing religious, intellectual, esthetic, literary, social, and economic currents; impact of science, technology, and increasing urbanization. Prerequisite: HIST 200, 255, 256, 250, and two 300 Level Courses.

HIST 355: Constitutional History of The United States (3) (F)
Constitutional problems involved in the struggle for independence. Establishment of national government. Growth of democracy. Slavery, growth of capitalism, organization of labor, territorial expansion, World War I, the United Nations and collective security. Prerequisite: HIST 200, 255, 256, 250, and two 300 Level Courses.

HIST 376: History of North Carolina (3) (F;S)
General survey of political, economic, and social history of North Carolina. Problems of North Carolina growth and development and their relationship to other southern states and to U.S. History. Prerequisite: HIST 200, 255.

HIST 385: Modern European History, 1815–1914 (3) (F)
Special consideration given to the revolutionary movement of the 19th and 20th centuries; the post-Napoleonic era; liberalism versus conservatism, rise of radicalism, growth of nationalism, imperialism and militarism; and World War I. Prerequisites: GE 140, GE 141, HIST 200.

HIST 386: Europe Since 1914 (3) (S)
Europe between wars, such as the rise of communism, rise and fall of fascism, economic collapse, failure of collective security, World War II, colonial revolt, conflict between communism and democracy; and cultural developments. Prerequisite: HIST 200, 385.

HIST 397: Historical Methods and Historiography (3) (S)
Designed to train history majors in the approach and method of the historian, emphasizing fundamentals of historical research and writing, and the basic schools of historical thought. Prerequisite: HIST 200, 250, 255, 256.

HIST 452: The Age of Jackson, 1820–1850 (3) (F)
Intensive examination of political, economic, intellectual, and social history of the Jacksonian era, with emphasis on such dominant issues as the broadening of democratic processes, expansionism, sectionalism, slavery, and reform movements, including studies of outstanding figures of the period. Prerequisite: HIST 200, 255, 256, 250, and two 300 Level Courses.

HIST 453: The Civil War and Reconstruction (3) (S)
Study of the origins of the idea of secession and of the war, with military, political, economic, and social struggles between Confederate and federal governments; and of immediate and long-range effects of radical Reconstruction. Prerequisite: HIST 200, 255, 256, 250, and two 300 Level Courses.

HIST 458: The United States Since 1900 (3) (F)
An in-depth study of American history since the Spanish American War. Role of U.S. as a world power. Prerequisites: HIST 200, 255, 256, 250, and two 300 Level Courses.

HIST 465: History of Modern Asia (3) (F)
Survey of the political, religious, social, cultural, economic, and intellectual development of Asia, in particular, China, Japan, India, and Southeast Asia. Special emphasis will be placed on events taking place after 1850: the Meiji Restoration in Japan, the rise of the Indian National Congress, Indian independence from the British Empire, the rise of nationalism and communism in China and Vietnam, World War Two in Asia, the People's Republic of China, postwar economic growth, to the present. Prerequisites: HIST 200, 255, 256; GE 140 and 141.

HIST 467: Modern Russian History (3) (S)
Survey of Russian History; greatest emphasis on immediate unfolding of "October Revolution" and foundation of Soviet State. Various Five-Year Plans; attempt of communist Russia to extend Communism throughout the world; World War II, Cold War; such recent trends as the Sino-Soviet Conflict and threats of thermonuclear extermination. Prerequisite: GE 140, 141, HIST 200.

HIST 473: Africa: Past and Present (3) (F)
Survey of geography, history, and present-day problems of Africa south of the Sahara. Prerequisite: GE 140,141, HIST 200.

HIST 477: History of Latin America (3) (F)
Origin and development of Latin American states from colonial times to present. European background; conquest and settlement; political, social, economic, and military aspects of causes of revolution; nature of political institutions and systems in the Latin American republics. Prerequisite: HIST 200, 256, 250; GE 140, 141.

HIST 489: Historic Site Interpretation (3) (S)
This course will examine the issues and problems in the interpretation of historic house museums, museums, and historic sites with special emphasis on the development of an interpretive exhibit related to state and local history. An integral part of this course will be field trips. Prerequisite HIST 200.

HIST 490: Internship in History (6) (SS, F, S)
This course exposes students to the application of historical skills in a sponsoring historical or public agency. Students will receive a P for Progress each period. A grade is not assigned until requirements for the course are met at which time students will be given a letter grade of A, B, C, D, or F. Prerequisite: Approval of Departmental Chairperson and selection to do an Internship.

HIST 499: History Seminar (3) (F;S)
Independent reading and research on historical problems selected under the supervision of an instructor. Papers and oral reports as appropriate. Prerequisite: Senior status or approval of Department Chairperson.

PHILOSOPHY

PHIL 250: Introduction to Philosophy (3) (F, SS)
Introductory study of core topics of philosophical concerns, human knowledge, the world, God, human freedom, morals, and politics to help students develop philosophic interests and skills in analysis of concepts basic to value decisions in education, art, religion, and life. No prerequisite.

PHIL 251: Social and Political Philosophy (3) (S)
Contemporary and traditional problems concerned with moral evaluation of political power; individual rights, social responsibility, legal and civil authority, civil disobedience, war, and peace. No prerequisite.

PHIL 452: Introduction to Logic (3) (F)
Techniques of formal reasoning. Emphasis on nature, forms, and functions of logical thinking. Deductive, inductive, and applied logic considered in the context of useful clarity in ordinary language. Prerequisite: PHIL 250.

POLITICAL SCIENCE

Political Science 200 Prerequisite applies to Political Science majors only

POLS 200: Introduction to Political Science (3) (F)
Basic study of political science, its scope, methodology, structure of government, political institutions, and ideologies. No Prerequisite.

POLS 301: American National Government (3) (F;S;SS)
Structure and functions of the national government. Nature of the federal system, the Constitution, citizenship, and popular participation in governing. Extent and character of national power. Changing nature of relations of national government to the states and to the individual. Students given working knowledge of good citizenship in everyday life. Prerequisite POLS 200.

POLS 304: State and Local Government (3) (F;SS)
Survey of origin and development of structure and functions of state government in the United States. The executive, legislative, and judicial functions of state and local government are discussed. Emphasis on the concept of federalism, interstate and state, and local relations. Prerequisite: POLS 200, 301.

POLS 305: Political Theory (3) (S)
The thrust of this course is to induce students to examine, evaluate and possibly alter their personal value commitments through an exposure to varying positions that have been adopted in addressing persistent problems in political theory. Topics such as the obligation a person owes to political associations; the role of politics in personal growth, competing theories of justice; liberalism; conservatism; feminism; freedom and self actualization, representation, social cohesion; the idea of moral communities are illustrative of the types of questions to be examined. Prerequisite POLS 200.

POLS 307: American Political Ideas (3) (F)
Analysis of American ideas on law and government, authority and civil liberty, oligarchy and democracy, from the Puritans to the present time. Emphasis on the thoughts of Hamilton, Jackson, Calhoun, Lincoln, Thoreau, Belany, Henry George, Wilson, Hoover, Roosevelt, Holmes, Dewey, and others. Prerequisite POLS 200.

POLS 309: Minorities and Women in American Politics (3) (F)
This course deals with the emerging role of minorities and women in U.S. politics and its impact on public policy. Prerequisite POLS 200.

POLS 310: American Presidency (3) (S)
The course covers the development of presidential power and functions, the contemporary operations of the presidency and the challenges which may confront the presidency in the future. Prerequisite: POLS 200, 301.

POLS 311: Political Science Methods (3) (F;S)
This course introduces students to fundamental methods and procedures in collecting and analyzing political data as well as interpretation and computer utiliza-

tion. Research on a specific political data is required. Prerequisite POLS 200.

POLS 402: Politics and Problems of Contemporary Africa (3) (S)
Discussion of liberation movements, decolonization, apartheid, and general political instability in the independent African states and efforts toward Pan-Africanism since World War II. Prerequisite POLS 200.

POLS 403: American Foreign Policy (3) (S)
Study of the United States' political, economic, social, and cultural involvements in the international arena, major foreign policy decisions, their short- and long-range impact on United States relations with other countries of the world. Prerequisite POLS 200.

POLS 404: Comparative Politics (3) (F)
Comparative study of governmental systems and institutions of foreign states. Emphasis on Great Britain, France, Italy, and Russia. Prerequisite: POLS 200, 301.

POLS 405: Seminar/Research in Political Science (3) (S)
Independent reading and research on Political Science problems selected under supervision of an instructor. Papers and oral reports as appropriate. Prerequisite: Senior status or approval of Department Chairperson.

POLS 483: International Relations (3) (F)
Surveys major theoretical approaches to international relations, the nature of world politics, methods and goals of diplomacy, and controls of State behavior. Prerequisite: POLS 200 or 301.

POLS 484: International Organization (3) (S)
Study of international organizations, at the global and regional levels, with special emphasis on European Common Market, NATO, Warsaw Pact, and non-governmental international organizations. Prerequisite: POLS 200, 301 or 483.

PUBLIC ADMINISTRATION

PAD 200: Introduction to Public Administration (3) (F;SS)
Introductory course dealing with basic concepts such as organization, responsibility, personnel management, fiscal processes, functions, problems and theories of public administration. No prerequisite.

PAD 301: Public Personnel Administration (3)
A study of human resource management in governmental organizations. The emphasis is on the historical development of public personnel administration, the concept of merit system, affirmative action, classification, testing, training, and organizational development. Prerequisite: PAD 200

PAD 302: Public Finance and Budgeting (3)
An examination of public budgetary theory and process, budgetary reforms, revenue systems, fiscal and monetary policies, cash management, and debt administration. Prerequisite: PAD 200

PAD 400: Organizational Theory and Behavior (3)
An examination of social, psychological, and behavioral aspects of organization, including the concept of administrative leadership.

PAD 401: Introduction to Public Policy (3)
Study of the Politics and Process of Public Policy making in the United States. Case studies of policy areas include health care, environmental policy, social welfare policy, and agenda-setting are used to illustrate decision making and policy implementation.

PAD 402: Internships in Public Administration (3)
Prerequisites: Senior status and consent of advisor. Students are assigned to public agencies in their area of interest. Students are expected to participate in staff and internship conferences.

DEPARTMENT OF
Language, Literature, & Communication

The Department of Language, Literature, and Communication provides all students with integrated experiences and instruction in the English language, literature, communication, speech, drama, mass communications, and modern international languages. It seeks to achieve five major objectives:

1. to develop in all students proficiency in the use of the English language and in critical thinking, writing and problem-solving skills;
2. to assist all students in understanding and appreciating their own literary heritage and that of other peoples;
3. to prepare students who major in English to teach English in the secondary school or to pursue graduate studies;
4. to prepare students for careers in speech pathology, mass communications, or dramatic arts; and
5. to provide majors with a rich background in communication skills and arts to encourage their admission into such professional programs as law, public relations, government services, etc.

In addition to the Department's objectives for all its majors, the Department welcomes majors who wish to achieve the following:

1. understanding of the functions and use of language in its levels of communication;
2. familiarity with literature appropriate for children and adolescents;
3. understanding of the role of communication in daily life and the importance of cultural diversity in communication;
4. recognition of and ability to address student needs (within the discipline) that have been determined by student background;
5. proficiency with professional skills, techniques, methodologies, and materials in the areas of the discipline;
6. acquisition and affiliations of professional values;
7. establishment of a continuous regimen of self-growth and professional development;
8. mastery of their creative writing skills; and
9. Proficiency in speech Language Pathology

The Department of Language, Literature, and Communication offers B.A. degrees in English and Communication Studies. In the English degree program, one can choose a concentration in drama, mass communications, news media, or speech pathology, with the additional option of a minor or minors in other disciplines. The concentrations in the English degree program are tangential areas of study which provide students with instruction, experience, and training for the purpose of self-development, enrichment, and possible career alternatives.

Selected Education majors may take an academic concentration in English. The Department also offers minors in Speech, Drama and Foreign Languages, (French or Spanish) for majors in any discipline. Additionally, majors in any discipline, except English, can choose a minor in English. Majors of other disciplines may also acquire a concentration in Drama. Concentrations in News Media, Mass Communications, and Pre-professional Speech Pathology are restricted to English majors.

The B.A. degree in Communication Studies includes speciality areas like print and broadcast journalism, public relations, and advertising. With the consent of the department chair and the instructor, current English majors will be allowed to take courses in the Communication Studies degree program. However, students enrolled in the English – Mass Communications and News Media concentrations must officially change their major and take all of the required courses, if they wish to graduate with a Communication Studies degree.

The Department of Language, Literature, and Communication offers the following courses in the University Honors Program: (1) Freshman Composition and Literature Honors I and II (GE 103/104, 3/3 semester hours); (2) World Literature Honors Seminar I and II (GE 203/204, 3/3 semester hours); (3) Public Speaking (SPCH 314H, 3 semester hours); and (4) Jr.-Sr. Honors Project (ENGL 480, 3 semester hours).*

All majors must satisfy senior exit criteria before graduation.

* The Junior-Senior Honors Project permits junior and senior English majors who are Honors students and approved by the Chairperson to engage in a creative or independent study project. Project work may be conducted on- or off-campus. Junior and Senior Honors students (not English majors), who are concentrating in English or Drama, or pursuing a minor in English or Speech and Drama also may, with the Chairperson's approval, enroll in this course.

MAJOR: B.A. Degree Program In English With A Concentration In Drama

A. General Education Requirements ..... 43 Sem Hrs

B. Major Requirements ..... 46 Sem Hrs

1. Core Courses ..... 34 Sem Hrs

ENGL	300	Traditional Grammar	3
ENGL	301	English Literature I	3
ENGL	302	English Literature II	3
ENGL	305	American Literature I	3
ENGL	306	American Literature II	3
ENGL	317	Advanced Composition	3
ENGL	322	Advanced English Grammar	3
ENGL	327	History of the English Language	3
ENGL	425	Shakespeare	3
ENGL	430	The English Novel	3
ENGL	475	Literary Criticism	3
ENGL	490	Career Planning Seminar	1

2. Concentration in Drama ..... 12 Sem Hrs

DRAM	320	University Players Workshop (3 semesters)	3
* DRAM	324	Introduction to Dramatic Arts	3
* DRAM	325	Play Production I	3
* DRAM	326	Play Production II	3

C. Related Courses ..... 12 Sem Hrs

1. French or Spanish (Two consecutive courses for 6 sem hrs)

FREN	101	Elementary French	3
FREN	102	Elementary French	3
FREN	201	Intermediate French	3
FREN	202	Intermediate French	3
FREN	301	Survey of French Literature	3
FREN	302	Survey of French Literature	3

OR

SPAN	101	Elementary Spanish	3
SPAN	102	Elementary Spanish	3
SPAN	201	Intermediate Spanish	3
SPAN	202	Intermediate Spanish	3
SPAN	301	Survey of Spanish Literature	3
SPAN	302	Survey of Spanish Literature	3

2. Speech

SPCH	312	Oral Interpretation of Literature	3
SPCH	314	Public Speaking	3

D. ** Minor and/or Free Electives ..... 23 Sem Hrs

Majors are encouraged to select a minor or electives that will broaden their understanding, knowledge, and skills, and round out their liberal arts education.

Majors interested in teaching English in the middle grades and/or the secondary school may select a teaching minor in one or both programs.

Total Hours Required for Degree ..... 124 Sem Hrs

*Students with extensive training/experience in drama, may, with the Drama Director's approval, substitute advanced drama courses for these courses.

**Students electing to minor in Middle Grades Education and/or Secondary Education will be required to complete hours in excess of the 23 semester hours cited above.

CURRICULUM GUIDE FOR MAJORS IN ENGLISH CONCENTRATION IN DRAMA

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	102/104	Comp. and Literature I/Honors	3
GE	115	College Algebra	3
GE	122	Freshman Seminar	1
GE	140	World Civilization I	3
GE		Nat. Science/Lab.	4
		* French or Spanish	3
			17

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE	103/105	Comp. and Literature II/Honors	3
GE	130	Art Appreciation	2
GE	141	World Civilization II	3
GE		Physical Ed. Activity	1
GE		Nat. Sci. or Math	3
		* French or Spanish	3
			15

SOPHOMORE YEAR

GE	201/203	World Literature I/Honors	3
GE	135	Intro. to Music Literature	2
GE	185	Health Concepts	2
PSY	212	Gen. Psychology	3
ENGL	300	Traditional Grammar	3
SPCH	312	Oral Interpretation	3
			16

GE	202/204	World Literature II/Honors	3
GE		Soc./Behavioral Sci.	3
GE		Physical Ed. Activity	1
ENGL	317	Advanced Composition	3
SPCH	314	Public Speaking	3
		Electives/Minor	3
			16

JUNIOR YEAR

ENGL	301	English Literature I	3
ENGL	305	American Literature I	3
ENGL	322	Adv. English Grammar	3
DRAM	320	Univ. Players Wkshp.	1
DRAM	324	Intro. to Dram. Arts	3
		Electives/Minor	3
			16

ENGL	302	English Literature II	3
ENGL	306	American Literature II	3
ENGL	327	Hist. of English Lang.	3
DRAM	320	Univ. Players Wkshp.	1
DRAM	325	Play Production I	3
		Electives/Minor	3
			16

SENIOR YEAR

ENGL	425	Shakespeare	3
ENGL	430	The English Novel	3
DRAM	320	Univ. Players Wkshp.	1
DRAM	326	Play Production II	3
		Electives/Minor	3
			13

ENGL	475	Literary Criticism	3
ENGL	490	Career Planning Seminar	1
		Electives/Minor	12
			16

* Two consecutive courses (6 semester hours) in French or Spanish (or another accepted modern language)

MAJOR: B.A. Degree Program In English With A Concentration In Creative Writing

A. General Education Requirements ..... 43 Sem Hrs

B. Major Requirements ..... 46 Sem Hrs

1. Core Courses ..... 34 Sem Hrs

ENGL	300	Traditional Grammar	3
ENGL	301	English Literature I	3
ENGL	302	English Literature II	3
ENGL	305	American Literature I	3
ENGL	306	American Literature II	3
ENGL	317	Advanced Composition	3
ENGL	322	Advanced English Grammar	3
ENGL	327	History of the English Language	3
ENGL	425	Shakespeare	3
ENGL	430	The English Novel	3
ENGL	475	Literary Criticism	3
ENGL	490	Career Planning Seminar	1

2. Concentration in Creative Writing ..... 12 Sem Hrs

ENGL	399	Creative Writing	3
ENGL	402	Creative Writing: Poetry	3
ENGL	403	Creative Writing: Fiction	3
ENGL	405	Writing for Stage, Film and Television	3

C. Related Courses ..... 12 Sem Hrs

1. French or Spanish (Two consecutive courses for 6 sem hrs)

FREN	101	Elementary French	3
FREN	102	Elementary French	3
FREN	201	Intermediate French	3
FREN	202	Intermediate French	3
FREN	301	Survey of French Literature	3
FREN	302	Survey of French Literature	3

OR

SPAN	101	Elementary Spanish	3
SPAN	102	Elementary Spanish	3
SPAN	201	Intermediate Spanish	3
SPAN	202	Intermediate Spanish	3
SPAN	301	Survey of Spanish Literature	3
SPAN	302	Survey of Spanish Literature	3

2. Speech

SPCH	314	Public Speaking	3
ENGL	401	Technical Writing	3

D. Minor and/or Free Electives ..... 23 Sem Hrs

Majors are encouraged to select a minor or electives that will broaden their understanding, knowledge, skills, and round out their liberal arts education.

Total Hours Required for Degree ..... 124 Sem Hrs

CURRICULUM GUIDE FOR MAJORS IN ENGLISH CONCENTRATION IN CREATIVE WRITING

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	102/104	Comp. and Literature I/Honors	3
GE	115	College Algebra	3
GE	122	Freshman Seminar	1
GE	140	World Civilization I	3
GE		Nat. Science/Lab.	4
		Foreign Language	3
			17

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE	103/105	Comp. and Literature II/Honors	3
GE	130	Art Appreciation	2
GE	141	World Civilization II	3
GE		Physical Ed. Activity	1
GE		Nat. Sci. or Math	3
		Foreign Language	3
GE	135	Intro to Music Lit.	2
			17

SOPHOMORE YEAR

GE	201/203	World Literature I/Honors	3
GE	185	Health Concepts	2
GE		Social/Behavior Sci	3
ENGL	300	Traditional Grammar	3
SPCH	314	Public Speaking	3
		Physical Ed. Activity	1
			15

GE	202/204	World Literature II/Honors	3
GE		Soc./Behavioral Sci.	3
ENGL	317	Advanced Composition	3
		Electives	6
			15

JUNIOR YEAR

ENGL	301	English Literature I	3	ENGL 302	English Literature II 3
ENGL	305	American Literature I	3	ENGL 306	American Literature II 3
ENGL	322	Adv. English Grammar	3	ENGL 327	Hist. of English Lang. 3
ENGL	399	Creative Writing	3	ENGL 401	Technical Writing 3
		Electives	3	ENGL 402	Creative Writing: Poetry 3
			15		15

SENIOR YEAR

ENGL	403	Creative Writing: Fiction	3	ENGL 475	Literary Criticism 3
ENGL	405	Writing for Stage, Film and TV	3	ENGL 490	Career Planning Seminar 1
ENGL	425	Shakespeare	3		Electives/Minor 11
ENGL	430	The English Novel	3		15
		Electives/Minor	3		
			15		

MAJOR: B.A. Degree In English With A Concentration In Mass Communications

A. General Education Requirements ..... 43 Sem Hrs

B. Major Requirements ..... 49 Sem Hrs

1. Core Courses ..... 34 Sem Hrs

ENGL	300	Traditional Grammar	3
ENGL	301	English Literature I	3
ENGL	302	English Literature II	3
ENGL	305	American Literature I	3
ENGL	306	American Literature II	3
ENGL	317	Advanced Composition	3
ENGL	322	Advanced English Grammar	3
ENGL	327	History of the English Language	3
ENGL	425	Shakespeare	3
ENGL	430	The English Novel	3
ENGL	475	Literary Criticism	3
ENGL	490	Career Planning Seminar	1

2. Concentration in Mass Communications ..... 15 Sem Hrs

MCOM	250	Introduction to Broadcasting	3
MCOM	350	Broadcast Writing I	3
MCOM	353	Radio Production	3
MCOM	355	Television Production	3
JOUR	349	Introduction to Mass Media	3

C. Related Courses ..... 12 Sem Hrs

1. French or Spanish (two consecutive courses for 6 sem hrs)

FREN	101	Elementary French	3
FREN	102	Elementary French	3
FREN	201	Intermediate French	3
FREN	202	Intermediate French	3

OR

SPAN	101	Elementary Spanish	3
SPAN	102	Elementary Spanish	3
SPAN	201	Intermediate Spanish	3
SPAN	202	Intermediate Spanish	3
SPAN	301	Survey of Spanish Literature	3
SPAN	302	Survey of Spanish Literature	3

2. Speech

SPCH	200	Intro. to Phonetics	3
SPCH	314	Public Speaking	3

D. * **Minor and/or Free Electives ..... 20 Sem Hrs**
Majors are encouraged to select a minor or electives that will broaden their understanding, knowledge, and skills, and round out their liberal arts education.

Total Hours Required for Degree ..... 124 Sem Hrs

* Students electing to minor in Middle Grades Education and/or Secondary Education will be required to complete hours in excess of the 23 semester hours cited above.

CURRICULUM GUIDE FOR MAJORS IN ENGLISH CONCENTRATION IN MASS COMMUNICATIONS

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	102/104	Comp. and Literature I/Honors	3
GE	115	College Algebra	3
GE	122	Freshman Seminar	1
GE	140	World Civilization I	3
GE		Nat. Science/Lab.	4
		French or Spanish	3
			17

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE	103/105	Comp. and Literature II/Honors	3
GE	130	Art Appreciation	2
GE	141	World Civilization II	3
GE		Physical Ed. Activity	1
GE		Nat. Sci./Math	3
		French or Spanish	3
			15

SOPHOMORE YEAR

GE	201/203	World Literature I/Honors	3
GE	135	Intro. to Music Literature	2
GE	185	Health Concepts	2
PSY	212	General Psychology	3
ENGL	300	Traditional Grammar	3
SPCH	200	Intro. to Phonetics	3
GE		Physical Ed. Activity	1
			17

GE	202/204	World Literature II/Honors	3
GE		Soc./Behavioral Sci.	3
ENGL	317	Advanced Comp.	3
SPCH	314	Public Speaking	3
			12

JUNIOR YEAR

ENGL	301	English Literature I	3
ENGL	305	American Literature I	3
ENGL	322	Adv. English Grammar	3
JOUR	349	Intro. to Mass Media	3
		Electives/Minor	3
			15

ENGL	302	English Literature II	3
ENGL	306	American Literature II	3
ENGL	327	Hist. of English Lang.	3
MCOM	250	Intro. to Broadcasting	3
		Electives/Minor	3
			15

SENIOR YEAR

ENGL	425	Shakespeare	3
ENGL	430	The English Novel	3
MCOM	350	Broadcast Writing	3
MCOM	250	Television Prod.	3
		Electives/Minor	3
			15

ENGL	475	Literary Criticism	3
MCOM	353	Radio Production	3
MCOM	498	Internship	3–6
		Electives/Minor	4
			13-16

MAJOR: B.A. Degree Program In English With A Concentration In News Media

A. General Education Requirements ..... 43 Sem Hrs

B. Major Requirements ..... 46 Sem Hrs

1. Core Courses ..... 34 Sem Hrs

ENGL	300	Traditional Grammar	3
ENGL	301	English Literature I	3
ENGL	302	English Literature II	3
ENGL	305	American Literature I	3
ENGL	306	American Literature II	3
ENGL	317	Advanced Composition	3
ENGL	322	Advanced English Grammar	3
ENGL	327	History of the English Language	3
ENGL	425	Shakespeare	3
ENGL	430	The English Novel	3
ENGL	475	Literary Criticism	3
ENGL	490	Career Planning Seminar	1

2. Concentration in News Media ..... 12 Sem Hrs

JOUR	349	Mass Media	3
JOUR	351	Journalism I	3
JOUR	352	Journalism II	3
JOUR	451	Broadcast Journalism	3

C. Related Courses ..... 12 Sem Hrs

1. French or Spanish (two consecutive courses for 6 sem hrs)

FREN	101	Elementary French	3
FREN	102	Elementary French	3
FREN	201	Intermediate French	3
FREN	202	Intermediate French	3
FREN	301	Survey of French Literature	3
FREN	302	Survey of French Literature	3

OR

SPAN	101	Elementary Spanish	3
SPAN	102	Elementary Spanish	3
SPAN	201	Intermediate Spanish	3
SPAN	202	Intermediate Spanish	3
SPAN	301	Survey of Spanish Literature	3
SPAN	302	Survey of Spanish Literature	3

2. Speech

SPCH	312	Oral Interpretation of Literature	3
SPCH	314	Public Speaking	3

D. * Minor and/or Free Electives ..... 23 Sem Hrs

Majors are encouraged to select a minor or electives that will broaden their understanding, knowledge, and skills, and round out their liberal arts education.

Majors interested in teaching English in the middle grades and/or the secondary school may select a teaching minor in one or both programs.

Total Hours Required for Degree ..... 124 Sem Hrs

* Students electing to minor in Middle Grades Education and/or Secondary Education will be required to complete hours in excess of the 23 semester hours cited above.

CURRICULUM GUIDE FOR MAJORS IN ENGLISH
CONCENTRATION IN NEWS MEDIA

FRESHMAN YEAR

FIRST SEMESTER				SECOND SEMESTER			
COURSE AND NUMBER			HRS	COURSE AND NUMBER			HRS
GE	102/104	Comp. & Literature I/Honors	3	GE	103/105	Comp. & Literature II/Honors	3
GE	115	College Algebra	3	GE	130	Art Appreciation	2
GE	122	Freshman Seminar	1	GE	141	World Civilization II	3
GE	140	World Civilization I	3	GE		Physical Ed. Activity	1
GE		Nat. Science/Lab.	4	GE		Nat. Sci. or Math	3
	*	French or Spanish	3		*	French or Spanish	3
			17				15

SOPHOMORE YEAR

GE	201/203	World Literature I/Honors	3	GE	202/204	World Literature II/Honors	3
GE	135	Intro. to Music Literature	2	GE		Soc./Behavioral Sci.	3
GE	185	Health Concepts	2	ENGL	317	Advanced Comp.	3
PSY	212	Gen. Psychology	3	SPCH	314	Public Speaking	3
ENGL	300	Traditional Grammar	3			Electives/Minor	3
SPCH	312	Oral Interpretation	3				15
GE		Physical Ed. Activity	1				
			17				

JUNIOR YEAR

ENGL	301	English Literature I	3	ENGL	302	English Literature II	3
ENGL	305	American Literature I	3	ENGL	306	American Literature II	3
ENGL	322	Adv. English Grammar	3	ENGL	327	Hist. of English Lang.	3
JOUR	349	Mass Media	3	JOUR	351	Journalism I	3
		Electives/Minor	3			Electives/Minor	3
			15				15

SENIOR YEAR

ENGL	425	Shakespeare	3	ENGL	475	Literary Criticism	3
ENGL	430	The English Novel	3	ENGL	490	Career Planning Seminar	1
JOUR	352	Journalism II	3			Electives/Minor	3-6
JOUR	451	Broadcast Journalism	3			Internship	3-6
		Electives/Minor	3				16
			15				

* Two consecutive courses (6 semester hours) in French or Spanish (or another accepted modern language)

MAJOR: B.A. Degree In English With A Concentration In Pre-professional Speech Pathology

A. General Education Requirements ..... 43 Sem Hrs

B. Major Requirements ..... 46 Sem Hrs

1. Core Courses ..... 34 Sem Hrs
   - ENGL 300 Traditional Grammar 3
   - ENGL 301 English Literature I 3
   - ENGL 302 English Literature II 3
   - ENGL 305 American Literature I 3
   - ENGL 306 American Literature II 3
   - ENGL 317 Advanced Composition 3
   - ENGL 322 Advanced English Grammar 3
   - ENGL 327 History of the English Language 3
   - ENGL 425 Shakespeare 3
   - ENGL 430 The English Novel 3
   - ENGL 475 Literary Criticism 3
   - ENGL 490 Career Planning Seminar 1
2. Concentration in Pre-professional Speech Pathology ..... 12 Sem Hrs
   - SPCH 200 Introduction to Phonetics 3
   - SPCH 100 Introduction to Comm. Disorders 3
   - SPCH 321 Speech Pathology 3
   - SPCH 330 Introduction to Audiology 3

C. Related Courses ..... 12 Sem Hrs

1. French or Spanish (Two consecutive courses for 6 sem hrs)

FREN	101	Elementary French	3
FREN	102	Elementary French	3
FREN	201	Intermediate French	3
FREN	202	Intermediate French	3
FREN	301	Survey of French Literature	3
FREN	302	Survey of French Literature	3

OR

SPAN	101	Elementary Spanish	3
SPAN	102	Elementary Spanish	3
SPAN	201	Intermediate Spanish	3
SPAN	202	Intermediate Spanish	3
SPAN	301	Survey of Spanish Literature	3
SPAN	302	Survey of Spanish Literature	3

2. Speech

SPCH	312	Oral Interpretation of Literature	3
SPCH	314	Public Speaking	3

D. * Academic Concentration and/or Free Electives ..... 23 Sem Hrs

Majors are encouraged to select a minor or electives that will broaden their understanding, knowledge, and skills, and round out their liberal arts education.

Majors interested in teaching English in the middle grades and/or the secondary school may select a teaching minor in one or both programs.

Total Hours Required for Degree ..... 124 Sem Hrs

* Students electing to minor in Middle Grades Education and/or Secondary Education will be required to complete hours in excess of the 23 semester hours cited above.

CURRICULUM GUIDE FOR MAJORS IN ENGLISH CONCENTRATION IN PRE-PROFESSIONAL SPEECH PATHOLOGY

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	102/104	Comp. and Literature I/Honors	3
GE	115	College Algebra	3
GE	122	Freshman Seminar	1
GE	140	World Civilization I	3
GE		Nat. Science/Lab.	4
		* French or Spanish	3
			17

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE	103/105	Comp. and Literature II/Honors	3
GE	130	Art Appreciation	2
GE	141	World Civilization II	3
GE		Physical Ed. Activity	1
GE		Natural Sci. or Math	3
		* French or Spanish	3
			15

SOPHOMORE YEAR

GE	201/203	World Literature I/Honors	3
GE	135	Intro. to Music Literature	2
GE	185	Health Concepts	2
PSY	212	Gen. Psychology	3
ENGL	300	Traditional Grammar	3
SPCH	200	Intro. to Phonetics	3
			16

GE		Phy. Educ. Activity	1
GE	202/204	World Literature II/Honors	3
GE		Soc./Behavioral Sci.	3
ENGL	317	Advanced Comp.	3
SPCH	100	Intro. to Comm. Disorders	3
		Electives/Minor	3
			16

JUNIOR YEAR

ENGL	301	English Literature I	3
ENGL	305	American Literature I	3
ENGL	322	Adv. English Grammar	3
SPCH	312	Oral Interpretation	3
		Electives/Minor	3
			15

ENGL	302	English Literature II	3
ENGL	306	American Literature II	3
ENGL	327	Hist. of English Lang.	3
SPCH	314	Public Speaking	3
		Electives/Minor	3
			15

SENIOR YEAR

ENGL 425	Shakespeare	3
ENGL 430	The English Novel	3
SPCH 321	Speech Pathology	3
SPCH 330	Intro. to Audiology	3
	Electives/Minor	3
		15

ENGL 475	Literary Criticism	3
ENGL 490	Career Planning Seminar	1
	Electives/Minor	12
		16

* Two consecutive courses (6 semester hours) in French or Spanish (or another accepted modern language)

MAJOR: B.A. Degree In English

A. General Education Requirements ..... 43 Sem Hrs

B. Major Requirements ..... 40 Sem Hrs

1. Core Courses ..... 34 Sem Hrs

ENGL	300	Traditional Grammar	3
ENGL	301	English Literature I	3
ENGL	302	English Literature II	3
ENGL	305	American Literature I	3
ENGL	306	American Literature II	3
ENGL	317	Advanced Composition	3
ENGL	322	Advanced English Grammar	3
ENGL	327	History of the English Language	3
ENGL	425	Shakespeare	3
ENGL	430	The English Novel	3
ENGL	475	Literary Criticism	3
ENGL	490	Career Planning Seminar	1

2. Restricted Electives in Advanced Drama, English, Mass Communications, News Media and Speech courses ..... 6 Sem Hrs

C. Related Courses ..... 6 Sem Hrs

French or Spanish (Two consecutive courses for 6 sem hrs)

D. Free Electives/Academic Concentration ..... 35 Sem Hrs

Majors are encouraged to select minors or electives that will broaden their understanding, knowledge, and skills, and round out their liberal arts education.

Majors interested in teaching English in the middle grades and/or secondary school may select a teaching minor in one or both programs.

Total Hours Required for Degree ..... 124 Sem Hrs

ENGLISH ACADEMIC CONCENTRATION

	ENGL	300	Traditional Grammar 3
*	ENGL	301	English Literature I 3
	ENGL	302	English Literature II 3
	ENGL	305	American Literature I 3
	ENGL	306	American Literature II 3
	ENGL	317	Advanced Composition 3
**	ENGL	327	History of the English Language 3
	ENGL	430	The English Novel 3

Total Hours Required for Academic Concentration ..... 24 Sem Hrs

* Alternate courses within the discipline or tangent areas (News Media, Speech Pathology, Drama) will be accepted for individuals seeking some courses (9 semester hours) reflecting specialized interests.

** Required for Teacher Education majors

CURRICULUM GUIDE FOR MAJORS IN ENGLISH

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	102/104	Comp. and Literature I/Honors	3
GE	115	College Algebra	3
GE	122	Freshman Seminar	1
GE	140	World Civilization I	3
GE		Nat. Science/Lab.	4
		* French or Spanish	3
			17

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE	103/105	Comp. and Literature II/Honors	3
GE	130	Art Appreciation	2
GE	141	World Civilization II	3
GE		Physical Ed. Activity	1
GE		Nat. Sci. or Math	4
		* French or Spanish	3
			16

SOPHOMORE YEAR

GE	201/203	World Literature I/Honors	3
GE	135	Intro. to Music Literature	2
GE	185	Health Concepts	2
PSY	212	Gen. Psychology	3
ENGL	300	Traditional Grammar	3
		Free Electives/Minor(s)	3
			16

GE	202/204	World Literature II/Honors	3
GE		Soc./Behavioral Sci.	3
GE		Physical Ed. Activity	1
ENGL	317	Advanced Composition	3
		Free Electives	6
			16

JUNIOR YEAR

ENGL	301	English Literature I	3
ENGL	305	American Literature I	3
ENGL	322	Adv. English Grammar	3
		** Restricted Electives	3
		Free Electives	3
			15

ENGL	302	English Literature II	3
ENGL	306	American Literature II	3
ENGL	327	Hist. of English Lang.	3
		** Restricted Electives	3
		Free Electives	3
			15

SENIOR YEAR

ENGL	425	Shakespeare	3
ENGL	430	The English Novel	3
		Free Electives	9
			15

ENGL	475	Literary Criticism	3
ENGL	490	Career Planning Seminar	1
		Free Electives	11
			15

* Two consecutive courses (6 semester hours) in French or Spanish (or another accepted modern language)

** Restricted Electives in drama, English, mass communications, news media and speech courses.

MAJOR: B.A. Degree In Communication Studies

A. General Education Requirements ..... 43 Sem Hrs

B. Major Requirements ..... 45 Sem Hrs

1. ENGL 300 Traditional Grammar 3
   ENGL 317 Advanced Composition 3
   JOUR 349 Mass Media 3
   JOUR 351 Journalism I 3
   JOUR 352 Journalism II 3
   JOUR 451 Broadcast Journalism 3
   MCOM 250 Intro To Broadcasting 3
   MCOM 350 Broadcast Writing I 3
   MCOM 353 Radio Production 3
   MCOM 354 Advanced Radio Production 3
   MCOM 355 Television Production 3
   MCOM 356 Advanced Television Production 3
   MCOM 357 Intro. to Public Relations and Advertising 3
   MCOM 400 Print and Broadcast Management 3
   MCOM 450 Media Law & Ethics 3

C. Related Courses ..... 21 Sem Hrs

1. SPCH 201 Voice and Diction 3
   SPCH 314 Public Speaking 3
   MCOM 498 Internship 3-6
   MCOM 347 Mass Comm. Theory & Research 3
   MCOM 499 Seminar In Communication 3
2. Two Consecutive Courses in Foreign Languages ..... 6 (Spanish/French)

D. **Minor And/Or Free Electives ..... 15 Sem Hrs

1. **Suggested Minor And/Or Free Electives**
   ART 201 Graphic Design I 3
   ART 340 Photography 3
   SPCH 200 Intro to Phonetics 3
   SPCH 312 Oral Interpretation 3
   MCOM 349 Broadcasting Writing II 3
   JOUR 449 Photojournalism 3
   MCOM 358 Advanced Public Relations and Advertising 3

Total Hours Required for Degree ..... 124 Sem Hrs

CURRICULUM GUIDE FOR MAJORS IN COMMUNICATION STUDIES

FRESHMAN YEAR

FIRST SEMESTER

COURSE AND NUMBER			HRS
GE	102/104	Comp. and Literature I/Honors	3
GE	115	College Algebra	3
GE	122	Freshman Seminar	1
GE	140	World Civilization I	3
GE		Nat. Science/Lab.	4
		Foreign Language	3
			17

SECOND SEMESTER

COURSE AND NUMBER			HRS
GE	103/105	Comp. and Literature II/Honors	3
GE	130	Art Appreciation	2
GE	141	World Civilization II	3
GE		Physical Ed. Activity	1
GE		Nat. Sci. or Math	4
		Foreign Language	3
			16

SOPHOMORE YEAR

GE	201/203	World Literature I/Honors	3
GE	185	Health Concepts	2
GE		Social/Behavior Science	3
ENGL	300	Traditional Grammar	3
SPCH	314	Public Speaking	3
GE		Physical Ed. Activity	1
			15

GE	202/204	World Literature II/Honors	3
GE		Social/Behavioral Science	3
ENGL	317	Advanced Composition	3
MCOM	250	Intro. To Broadcast Comm.	3
SPCH	201	Voice & Diction	3
			15

JUNIOR YEAR

JOUR	349	Intro To Mass Media	3
JOUR	351	Journalism I	3
MCOM	355	Television Production	3
MCOM	347	Mass. Comm. Theory & Research	3
		Elective	4
			16

JOUR	352	Journalism II	3
MCOM	353	Radio Production	3
MCOM	356	Advanced Television Production	3
MCOM	357	Intro To Public Relations & Adv.	3
		Elective	3
			15

SENIOR YEAR

MCOM	400	Print & Broadcast Mgt.	3
JOUR	451	Broadcast Journalism	3
MCOM	450	Media Law & Ethics	3
MCOM	354	Advanced Radio Production	3
		Elective	3
			15

MCOM	498	Internship	3-6
MCOM	499	Seminar In Communications	3
		Elective	5-8
			14

MINOR: Communication Studies

JOUR	349	Mass Media	3
JOUR	351	Journalism	3
MCOM	250	Introduction to Broadcasting	3
MCOM	347	Mass Communication Theory and Reasearch	3
MCOM	353	Radio Production	3
MCOM	355	Television Production	3
MCOM	450	Media Law & Ethics	3

Total Hours Required for Minor ..... 21 Sem Hrs

MINOR: English

ENGL	301/302	English Literature I/II	3, 3
		OR	
ENGL	305/306	American Literature I/II	3, 3
ENGL	317	Advanced Composition	3
		OR	
ENGL	401	Technical Writing	3
ENGL	300	Traditional Grammar	3
		OR	
ENGL	322	Advanced English Grammar	3

Six semester hours selected from 300- and 400-level courses in additional English, drama, mass communications, speech, or news media courses.

Total Hours Required for Minor ..... 18 Sem Hrs

MINOR: Speech Pathology

SPPA	190	Introduction to Communication Disorders	3
SPPA	200	Introduction to Phonetics	3
SPPA	255	Speech and Language Development	3
SPPA	315	Anatomy & Physiology of Speech Mechanism	3
SPPA	330	Introduction to Audiology	3
SPPA	352	Articulation & Phonological Disorders	3
SPPA	450	Aural Rehabilitation	3

Total Hours Required for Minor ..... 21 Sem Hrs

MINOR: Modern Languages

A. French/Spanish

A combination of 12 sequential semester hours in

FREN	201/202	Intermediate French	3, 3
FREN	301/303	Survey of French Literature	3, 3

AND

A combination of 6 sequential semester hours in

SPAN	101/102	Elementary Spanish	3, 3
		OR	
SPAN	201/202	Intermediate Spanish	3, 3
		OR	
SPAN	301/302	Survey of Spanish Literature	3, 3

Total Hours Required for Minor ..... 18 Sem Hrs

B. **Spanish/French**

A combination of 12 sequential semester hours in

SPAN 201/202 Intermediate Spanish 3, 3
SPAN 301/302 Survey of Spanish Literature 3, 3

AND

A combination of 6 sequential semester hours in

FREN 101/102 Elementary French ..... 3 ,3

OR

FREN 201/202 Intermediate French 3, 3

OR

FREN 301/302 Survey of French Literature 3, 3

Total Hours Required for Minor ..... 18 Sem Hrs

C. **Spanish**

Eighteen sequential semester hours in

SPAN 101/102 Elementary Spanish 3, 3
SPAN 201/202 Intermediate Spanish 3, 3
SPAN 301/302 Survey of Spanish Literature 3, 3

Total Hours Required for Minor ..... 18 Sem Hrs

D. **French**

Eighteen sequential semester hours in

FREN 101/102 Elementary French 3, 3
FREN 201/202 Intermediate French 3, 3
FREN 301/302 Survey of French Literature 3, 3

Total Hours Required for Minor ..... 18 Sem Hrs

Speech and Drama

Any combination of speech and drama courses.

Total Hours Required for Minor ..... 18 Sem Hrs

ENGL 300: Traditional Grammar (3) (F;SS)
Analysis of the sentence, its parts, functions, relationships. Intensive study of functional grammar. Prerequisite: GE 103 or GE 105H.

ENGL 301/302: English Literature (3/3) (F;S)
These survey courses cover Literature of England through a study of the works of major writers, with consideration given to cultural diversity. Slave testaments, commonwealth concerns, and women's issues will be studied as well. The scope of the first semester's work extends from the Anglo-Saxon Period to 1784; second term focuses on the Romantic Movement to contemparory period, 1785 to the present. Prerequisites: GE 201, 202 or GE 203H, 204H.

ENGL 305/306: American Literature (3/3) (F;S)
These survey courses cover American literature, emphasizing the continuity of historical and cultural elements in the works of major writers. Special attention will be paid to traditionally under-represented authors: Native American, Spanish American, African-American, and women. The first semester focuses on the Colonial Period through 1865; the second semester covers material from 1865 to the present. Prerequisites: GE 201, 202, or GE 203H, 204H.

ENGL 317: Advanced Composition (3) (F;S;SS)
Principles and skills of composition developed; understandings and competencies refined. Extensive practice in writing of various types of expository compositions. Class discussion on analyses of student writings and literary models. Prerequisite: GE 103 or GE 105H.

ENGL 319: Children's Literature (3) (F;S;SS)
Survey of world literature for children. Forms, content, and techniques for teaching literature in the elementary school. Prerequisites: GE 201, 202 or GE 203H, 204H.

ENGL 322: Advanced English Grammar (3) (F)
Study of modern English grammar: traditional, structural, and transformational-generative. Analysis of current English usage and points of conflict with older and more traditional practices. Prerequisite: GE 103 or GE 105H, ENGL 300.

ENGL 327: History of the English Language (3) (S)
English sounds, pronunciation, spelling, etymology, syntax, and usage considered through study of the history of the language as a cultural subject. Prerequisites: GE 201, 202 or 203H, 204H.

ENGL 336: Literature for Adolescents (3) (S)
Reading interests of adolescents. Understanding content and demonstrating effective techniques of teaching literature in the high school. Prerequisites: GE 201, 202 or GE 203H, 204H.

ENGL 399: Creative Writing (3) (S)
Laboratory course for students who have demonstrated some creative writing talent and wish to develop individual interests and creative capacities. Short story, poetry, the formal essay, and student writings read and criticized informally by members of the class. One hour weekly devoted to lecture, discussion, and critiques; two hours weekly, to laboratory work. Prerequisite: GE 103 or GE 105H.

ENGL 401: Technical Writing (3) (S)
Fundamentals of English usage stressed as essential criteria and background of modern technical writing. Exercises in development of major types of technical reports are assigned. For practical application of the rhetoric of technical writing, students prepare several formal reports and complete reports related to their major discipline. Oral presentations of written reports and technical materials are also assigned. Prerequisite: GE 103 or GE 105H and junior or senior status.

ENGL 402: Creative Poetry Writing (3) (F)
Laboratory course for students who have demonstrated talent in the writing of poetry and wish to develop their interests and capabilities and achieve a professional level of competence in this literary art. Students will read a substantial amount of contemporary poetry and investigate throughly the contemporary literary marketplace for poetry. One hour weekly devoted to the introduction of new markets; two hours a week devoted to reading, critiquing, and revising student writing. At course end, students will be expected to produce a chapbook length publishable collection of poetry and to enter at least one national competition. Prerequisite: GE 103 or GE 105H; ENGL 399.

ENGL 403: Creative Writing: Short Fiction (3) (S)
Laboratory course for students who have demonstrated talent in the writing of fiction and seek to develop their skills in this genre. Students will study contemporary short stories and gain a deeper understanding of key techniques of story-telling, including dialogue, plotting, pacing, and characterization. One hour weekly devoted to the study of stories; two hours a week devoted to reading, cri-

tiquing and revising student writing. Course requirements include a semester project consisting the production of three short stories or one novella. Students will be encouraged to submit their work to regional and national journals for publication. Prerequisites: GE 103, or GE 105H; ENGL 399.

ENGL 405: Writing for Stage, Film, and Television (3) (F)
Practical and conceptual course designed to provide students with in-depth instruction in the techniques of writing plays and/or film scripts. Course would provide students with a comprehensive study of the process of creating plays, films, and television programs, including an understanding of the roles of staging, dialogue, and characterization. Students will learn to translate their ideas into polished, professional plays and/or scripts. One hour weekly devoted to the study of filmscripts and plays; two hours weekly devoted to reading, critiquing, and revising student writing. Course requirements include a semester project consisting of writing one filmscript and/or full-length play as a minimum. Course will provide basic instruction in the business of marketing scripts and producing plays. Students will be encouraged to seek opportunities, at both the regional and national levels, for the production of their work. Prerequisites: GE 103, or GE 105H; ENGL 399.

ENGL 425: Shakespeare (3) (F;S)
Selected comedies, tragedies, and histories studied, with emphasis on dramatic techniques and Elizabethan stage. Prerequisites: ENGL 301, 302.

ENGL 427: English Literature of the Renaissance (3) (S)
Poetry, prose, and drama (exclusive of Shakespeare) of representative authors studied against background of historical and cultural forces shaping Renaissance thought. Prerequisites: ENGL 301, 302.

ENGL 428: English Literature of the 18th Century (3) (S)
Poetry and prose (exclusive of the novel) of the eighteenth century. Emphasis on triumph and decline of Neoclassicism and approach of Romanticism, with review of historical and cultural forces affecting both tempers. Prerequisites: ENGL 301, 302.

ENGL 429: English Literature of the 19th Century (3) (S)
Study, in-depth, of major writings of nineteenth century (exclusive of novel). Triumph of Romanticism and Victorian Age studied against historical and social influences of the times. Prerequisites: ENGL 301, 302.

ENGL 430: The English Novel (3) (F)
Development of novel as a genre studied, in form and style, from eighteenth century to the present. In-depth study of selected novels. Prerequisites: ENGL 301, 302.

ENGL 440: Bible As Literature (3) (S)
Introduction to the Bible considered as literature. Students read the major books of the Old Testament and the four Gospels, Acts, major Epistles and Revelations in the New Testament. Rather than doctrine, the course accents aesthetic values in scripture. Prerequisites: GE 201, 202 or GE 203H, 204H.

ENGL 458/459: Black Writers in American Literature I, II (3/3) (F/S)
A survey course of literary contributions by Black American Writers. Emphasis on genres, literary tempers, and major movements influenced by historical, social, literary, and cultural factors. First Semester: Colonial American Period to 1940. Second Semester: 1940 (Protest Period) to present.

ENGL 465: Contemporary American Literature (3) (S)
Critical study of selected works by major writers of the latter part of the twentieth century. Prerequisites: GE 201, 202 or GE 203H, 204H.

ENGL 475: Literary Criticism (3) (S)
Critical positions and techniques of selected major critics studied. Experience in application of principles and techniques of criticism to texts, representing major literary genres, and the writing of critical papers. Prerequisite: GE 201, 202 or GE 203H or 204H.

ENGL 479: Special Studies/Research in Language and Literature (1–3) (F;S;SS)
Independent or small-group study in selected areas of language or literature, culminating in an approved project or research paper. Topics taken from approved areas of English language or English, American, or World Literature; research techniques applied. May be repeated up to six semester hours. Prerequisite: Consent of Department Chairperson.

ENGL 480: Junior-Senior Honors Project (3) (S)
Junior and Senior English majors who are Honors students may, with staff approval, engage in creative, independent-study projects. Non-English majors who are Honors students may request permission to enroll in this course. Project work to be conducted on- or off-campus; project presentations made to the

Department. Prerequisite: junior or senior Honors Program status or consent of Department Chairperson.

ENGL 490: Career Planning Seminar (3) (S)
This seminar covers resume writing, job preparation, portfolio production, interviewing techniques, graduate and professional school preparation, test taking skills review, departmental exit examination/project, and related career development issues.

FRENCH

FREN 101/102: Elementary French (3/3) (F;S;S)
Basic grammar, punctuation, pronunciation, and reading for vocabulary building; conversation. Laboratory practice required of all students.

FREN 201/202: Intermediate French (3/3) (F;S)
Review of grammatical principles; development of reading, writing, and conversational skills. Reading and interpretation of selected works; introduction to aspects of French culture. Laboratory practice required of all students. Prerequisites: FREN 101, 102.

FREN 301/302: *Survey of French Literature (3/3) (F;S)
Great works of literature studied as representatives of French civilization and culture. Prerequisites: FREN 201, 202 or advanced placement.

*Recommended for students who anticipate graduate study requiring foreign language reading proficiency.

GENERAL EDUCATION ENGLISH

GE 100: Grammar and Composition (2) (F;S;SS)
Study and practice of grammar and composition skills with emphasis on paragraph development. Four contact hours required, two in class and two in the Academic Support Center (Writing Laboratory). Students assigned on basis of Language Arts Placement Testing.

GE 102: Composition and Literature I (3) (F;S;SS)
Emphasis on students' existing ideas/concepts of writing; connecting their ideas to their cultural backgrounds and how their backgrounds have shaped their writing (academically, professionally, and creatively); emphasis on evaluating literary texts; how cultural ideas influence writing; emphasis on a writing community, and utilizing the departments online writing lab. Students are assigned on the basis of Language Arts Placement Testing or the successful completion of GE 100.

GE 103: Composition and Literature II (3) (F;S;SS)
Continuation of the writing of the essay. Acquaintance with major systems of documentation and the development of a major research paper. Reading selections in fiction, poetry and drama to be used as the basis for critical writing. Emphasis on rhetorical analysis to improve critical, analytical skills. Oral Communication skills also emphasized.

GE 104H: Composition and Literature Honors I (3) (F)
Instruction in oral and written composition, correlated with a study of selected literary models. Special emphasis on experiences, assignments and enrichment activities designed, by virtue of quality, depth, and scope, to challenge the academically talented student; anticipates a high level of proficiency and achievement in all areas of the language arts. Prerequisites: admission to the University Honors Program or by special permission from the Honors Program Director.

GE 105H: Composition and Literature Honors II (3) (S)
A continuation of GE 104 in terms of correlation with literary models. Highlighting of a formal introduction to the literary genres, the basic critical approaches, creative experiences, and research skills – including the major systems of documentation – culminating in a major paper. Prerequisites: GE 104H, or 102 by special permission from the Honors Program Director.

GE 106: College Reading (2) (F;S;SS)
Study and practice of skills and strategies needed for college reading. Four contact hours required, two in class and two in the Academic Support Center (Reading Laboratory). Students assigned on basis of Language Arts Placement Testing.

GE 201/202: World Literature I, II (3/3) (F;S;SS)
Selected masterpieces of world literature read, discussed, and critiqued for their comments on life and the meaning of existence. Emphasis on genres and literary tempers (Classicism, Romanticism, Realism). Students required to maintain satisfactory standards of written and spoken expression. Prerequisite: GE 103 or GE 105H.

GE 203H/204H: World Literature Honors Seminar I, II (3/3) (F;S)
A study of selected masterpieces of world literature, with emphasis on the genres, tempers, and major literary movements. Opportunities for enrichment

through special literary studies, in-depth research, independent study, creative writing, analytical thinking, and oral reporting. Prerequisite 203H: GE 104H/105H or GE 102/103 by special permission from the Director of the Honors Program; Prerequisite 204H: GE 203H or GE 201 by special permission from the Honors Program Director.

GERMAN

GERM 101/102: Elementary German (*on demand*) (3/3)
Basic grammar, pronunciation, and reading for vocabulary building; conversation. Laboratory practice required of all students.

GERM 201/202: Intermediate German (*on demand*) (3/3)
Review of grammatical principles; development of reading, writing, and conversational skills. Reading and interpretation of selected works; introduction to aspects of German culture. Laboratory practice required of all students. Prerequisites: GERM 101, 102 or advanced placement.

COMMUNICATIONS STUDIES

MCOM 250: Introduction to Broadcasting (3) (S)
An introduction to modern electronic media including radio and television, cable, home video, the Internet and new media. An examination of the historical foundations of broadcast media formats. Other topics include how media are regulated, ratings and audience feedback, media effects, and the international media scene. Prerequisite: GE103.

MCOM 347: Mass Communication Theory and Research (3) (F)
Review of communication concepts and theories in relation to communication research methodology. Introduction to theory construction, mass communication research, literature and related research techniques. Prerequisites: ENGL 317; MCOM 250.

MCOM 350: Broadcast Writing I (3) (S)
This course deals with the radio industry, the television newsroom, and broadcast news writing. Students are taught the basic rules of broadcast-style news writing and the differences between writing for the eye and the ear. Emphases on writing clear, concise broadcast news copy and other formats of broadcast writing, such as for features, commercials and documentaries. Skills learned in this course will prepare students for the more advanced formats of radio and TV scripting and production. Prerequisite: MCOM 250.

MCOM 353: Radio Production (3) (S)
Exposure to every facet of radio production. This course will familiarize students with the care and upkeep of production equipment; instruction in the proper way to use each piece of equipment in the studio. Students will be given various production assignments, beginning with simple tasks and progressing to intermediate and advanced assignments. Prerequisite: MCOM 250.

MCOM 354: Advanced Radio Production (3) (F)
This course is designed to expose students to a more technical level of radio production. This course will begin where Radio Production 353 concluded. By mid-semester students will be able to perform all production tasks that include sound effects, learned on the hominizer techniques and fully computerized production. Prerequisite: MCOM 353

MCOM 355: Television Production (3) (F)
An introduction to the fundamentals of operating audio and video equipment in the studio. The course also provides a basic understanding of the terms used and crew position responsibilities in a studio setting. Operational skills will be developed through several structured laboratory exercises. Prerequisite: MCOM 250.

MCOM 356: Advanced Television Production (3) (S)
This course allows students to work individually and gain more in-depth knowledge of all phases of television production. Students continue to learn the advanced features and functions of audio and video equipment, focusing on post-production activities that emphasize editing and graphics.

MCOM 357: Introduction to Public Relations & Advertising (3) (F;S)
History of the evolution of public relations. Students will be introduced to the theories and practices of public relations and advertising and will receive instruction on public relations and advertising writing. Prerequisite: JOUR 351.

MCOM 358: Advanced Public Relations and Advertising (3) (S)
Advanced theory and practice of public relations and advertising development. Practical application of management to public relations and advertising techniques, strategies, and campaign development. Prerequisite: MCOM 357.

MCOM 359: Interactive Video (3) (S)
Introduction to visual and graphic communication in the print media involving perception, typography, picture editing, and basis computer skills. Techniques of editing, video and writing, for electronic publishing. Prerequisite: JOUR 349.

MCOM 360: Film Appreciation (3) (F; S)
An introduction to the appreciation of feature films, with concentrations on film genres and criticism. Emphasis is on representative American films from the films of the early 20th century to the present. The course will include viewing of representative films from various film genre and eras. Prerequisites: MCOM 250 and JOUR 349 or consent of Chairperson.

MCOM 361: Television Appreciation (3) (F; S)
An introduction to the appreciation of feature television, with concentrations on genres and criticism. Emphasis is on representative American television programming from the "golden age" of television of the mid-20th century to the present. The course will include viewing of representative television programs from various genres and eras. Prerequisites: MCOM 250 and JOUR 349 or consent of Chairperson.

MCOM 400: Print & Broadcast Management (3) (F)
This course provides detailed descriptions of job positions in the print & broadcast industry. Students will tour print and broadcast facilities to learn about to managers and their jobs. Role-playing activities will be conducted to determine how managers handle particular situations. Prerequisites: MCOM 350; MCOM 354; MCOM 356

MCOM 450: Media Law and Ethics (3) (F)
This course introduces students to the First Amendment doctrines and issues that impact freedom of expression. While international standards and variations are also covered, the course focuses on explaining applications of the law with respect to the challenges and responsibilities of the working journalist in the U.S. It also attempts to engage students in discussions about ethical, moral and regulatory issues facing contemporary news media. Prerequisites: JOUR 349, MCOM 250; MCOM 347

MCOM 479: Special Topics and Studies in Mass Commnications (3) (F; S)
Advanced study and analysis of Mass Communications, including problems and case studies. This course will feature different topics. It may be repeated for credit. Prerequisites: JOUR 349, MCOM 250, MCOM 347 or permission of Chairperson.

MCOM 498: Internship (3-6) (F,S)
Supervised field experience in mass communications; television and radio broadcasting. Prerequisite: Completion of Mass Communications concentration requirements or consent of Department Chairperson.

MCOM 499: Broadcast Seminar (3) (F,S)
Advanced study and analysis of broadcasting, including problems and situations involving management of a broadcast enterprise. Topics include legal and ethical questions, personnel matters, government regulations, programming and sales. Prerequisite: Completion of concentration requirements or consent of Department Chairperson.

NEWS MEDIA

JOUR 200: Broadcast Laboratory (1) (F;S;SS)
Hands-on experience at WRVS campus radio station. Laboratory setting where students work in area of special interest under supervision of a radio station staff member. Students will meet with instructor by appointment to discuss work. Students design the semester's work with faculty approval.

JOUR 346: Journalism Laboratory (1) (F;S)
Practical laboratory for News Media Concentration students and staff members of student publications. Provides basic learning and direct application to school/college newspapers, particularly in writing, editing, layout, and production of *The Compass*, the university newspaper. May be repeated. Prerequisite: Consent of Department Chairperson.

JOUR 347: Publications Laboratory (1) (F;S)
Practical laboratory for students at all academic levels. Provides basic learning and direct application to University/Departmental publications, particularly in the production of *The Viking*, the university annual. May be repeated. Prerequisite: Consent of the Department Chairperson.

JOUR 349: Mass Media (3) (F)
Introduction to history, techniques, and psychology of mass media and their impact on society. Prerequisite: GE 103 or GE 105H.

JOUR 351: Journalism I (3) (F)
Basic elements of journalism, format of newspaper, organization and writing of news and feature stories. Students will contribute stories to *The Compass*, the university newspaper on a regular basis. Prerequisite: GE 103 or GE 105H.

JOUR 352: Journalism II (3) (S)
Study and practice of news writing, copy editing, proofreading, page makeup, type structure, headlining and arranging of stories, and feature writing. Course-work includes student involvement in *The Compass*, the university newspaper on a regular basis. Prerequisite: JOUR 351 or consent of the Department Chairperson.

JOUR 449: Photojournalism (3) (S)
The course will cover basic and advanced techniques and principles of contemporary photojournalism, including film processing and printing, use of the camera, metering, action and sports photography, feature and spot news photography, use of the flash unit, and the photo essay. Students will work on *The Compass*, the university newspaper. Prerequisites: Photography I (Art 340) or equivalent experience, or consent of Department Chairperson.

JOUR 451: Broadcast Writing II (3) (F)
This course focuses on developing the critical thinking and decision-making skills needed to identify, research and develop dynamic news and feature stories for radio and television broadcasting. Sections of the course will cover news judgment, advanced broadcast writing and scripting, interviewing techniques, and developing and utilizing sources within a variety of environments, including news beats, computer-assisted reporting and investigative journalism. Prerequisite: JOUR 351 and MCOM 350 or consent of Department Chairperson.

JOUR 499: Seminar Internship (3-6) (F;S;SS)
Supervised field experience in news media. Includes newspaper and broadcast journalism, seminar sessions and independent study. Prerequisite: Completion of News Media sequence or consent of Department Chairperson.

SPANISH

SPAN 101/102: Elementary Spanish (3/3) (F;S;S)
Basic grammar, pronunciation, and reading for vocabulary building; conversation. Laboratory practice required for all students.

SPAN 201/202: Intermediate Spanish (3/3) (F;S)
Review of grammatical principles; development of reading, writing, and conversation skills. Reading and interpretation of selected works; introduction to aspects of Spanish culture. Laboratory practice required of all students. Prerequisites: SPAN 101, 102 or advanced placement.

SPAN 301/302: *Survey of Spanish Literature (3/3) (F;S)
Great works of literature studied as representatives of Spanish, Mexican, and culture. Prerequisites: SPAN 201, 202 or advanced placement.

*Recommended for students who anticipate graduate study requiring foreign language reading proficiency.

SPEECH

SPCH 201: Voice and Diction (3) (F)
Analysis and practice of effective voice and articulation. Designed primarily for students concentrating in the Pre-professional Speech Pathology Program; other interested students will be considered. Emphasis on application. Prerequisite: SPCH 200 or consent of Department Chairperson.

SPCH 312: Oral Interpretation of Literature (3) (F)
Study and practice in analysis and presentation of literature through oral interpretation. Techniques of oral reading studied and applied in classroom assignments and demonstrations. Course especially designed for future teachers of English and language arts, as well as students of the drama. Prerequisites: GE 103 or GE 105H; GE 201, 202 or 203H, 204H and speech proficiency to be determined by instructor.

SPCH 314: Public Speaking (3) (F;S;SS)
Principles and techniques of communicative public speaking. Classroom practice in making informative, persuasive, and entertaining extemporaneous speeches. Emphasis on speech construction, factors of attention and interest, bodily action and platform decorum, vocal delivery, listening, evaluation, and group discussion. Prerequisites: GE 103 and speech proficiency to be determined by instructor.

SPCH 316: Argumentation and Debate (3) (F)
Introduction to basic principles of reasoning, argumentation and debate, techniques of critical thinking and syllogistic reasoning, structural analysis of argumentation, deductive, inductive, and applied logic presented in the context of oral language. Particular emphasis on analytical debate techniques. Prerequisite: SPCH 314 or consent of Department Chairperson.

SPEECH PATHOLOGY

SPPA 190: Introduction to Communication Disorders (3) (F; S)
This course is a study of the various types of disorders commonly encountered by persons in the speech, language and hearing professions. Topics in-

clude normal conditions and disorders, and the roles and responsibilities of professionals who diagnose and treat these disorders.

SPPA 200: Introduction to Phonetics (3) (S)
This course is designed to provide students with a basic understanding and workable knowledge of the International Phonetic Alphabet as an important tool in the speech and hearing professions. Mastery of the underlying principles as well as practical applications is stressed.

SPPA 250: Sign Language – I (3) (F)
This course is a beginner-level course in sign language. It is designed to introduce manual communication to those who have no prior experience in signing. It teaches finger spelling and establishes a vocabulary of signs.

SPPA 251: Sign Language – II (3) (S)
This course is designed for those who have a basic knowledge of the principles and use of manual communication using signs, and who desire to increase their skill level.

SPPA 255: Speech and Language Development (3) (S)
This course seeks to explain the nature of human symbolization. Areas of study include the acquisition and development of language in children, the role of spoken and written language in society, and an exploratory look at how language determines cultural factors and human perceptions of reality.

SPPA 260: Theory and Observation in Speech Pathology (3) (F; S)
Clinical observation and an overview of underlying principles of speech pathology offer a non-threatening introductory component of the clinical process. This course presents the initial foundation for clinical practicum.

SPPA 300: Speech and Hearing Science (3) (F)
This course is an introduction to the physiology, accoustics and perception of speech. Voice quality, pitch and onset time will be included.

SPPA 315: Anatomy and Physiology of the Speech Mechanism (3) (F)
This course is an in-depth study of the organs, systems and structures of the body that contribute to the production and reception of speech, specifically the relationship between respiration, phonation, articulation, resonance and audition.

SPPA 330: Introduction to Audiology (3) (S)
This course emphasizes as a professional individual unit of communication sciences and disorders. It offers a study of the anatomical, psychological, and physiological aspects of hearing as well as a survey of those pathologies that result in hearing loss. Students will engage in the practice of administering basic tests to determine the extent of hearing loss.

SPPA 352: Articulation and Phonological Disorders (3) (F)
Emphasis is on the cause, diagnosis, and treatment of the nature and prevalence of articulation and phonological disorders, particularly in children.

SPPA 353: Disorders of Voice (3) (S) Prerequisites: SPPA 315
This course is a broad introduction to the field of functional and organic voice disorders. It surveys the nature and cause of these disorders, the problems encountered by persons exhibiting such disorders, and diagnosis and rehabilitative techniques.

SPPA 450: Aural Rehabilitation (3) (F) Prerequisite: SPPA 330
This course addresses current trends and procedures in treatment of persons who are deaf or hard of hearing including speech-reading, hearing conservation and auditory training. Therapy procedures as well as amplification devices are considered. Information is drawn from professional journals and articles.

SPPA 451: Methods and Materials in Clinical Practicum – I (3) (F)
A "hands-on" approach for the evaluation, diagnosis and remediation of speech and language disorders is introduced. This course includes comprehensive report writing and presentation of therapeutic techniques through practical application. Prerequisite: SPPA 352

SPPA 452: Methods and Materials in Clinical Practicum – II (3) (S)
The student assumes an independent role as speech-clinician in the evaluation and therapy processes. Opportunities for services will come from the ECSU community, health-fair participants and SPPA student participation in a consortium with Norfolk State University Speech and Hearing Clinic. Prerequisite: SPPA 451.

SPPA 453: Disorders of Language (3) (F)
Concentration is on the various disorders associated with the inability to develop or utilize language effectively. Delayed language development in children

due to mental retardation or emotional difficulty and childhood aphasia are among the topics considered.

SPPA 462: Physiogenic Disorders (3) (S)
The course offers an introduction to various physiogenic disorders that impact speech communication. A working knowledge of the anatomy and physiology of the speech and hearing apparatus is necessary. Embryology is a primary focus of the course. Prerequisite: SPPA 315 and Senior Status.

SPPA 491: Research Methods in Communications Sciences and Disorders (3-6) (F; S)
This is a summary experience for students majoring in speech pathology and audiology. It is an introduction to the experimental methods of scientific and behavioral research. The student is required to choose and investigate an approved aspect of speech pathology and audiology that results in the submission of a paper suitable for presentation. Prerequisite: Senior Status.

DEPARTMENT OF *Music*

The Department of Music complies with the overall mission of Elizabeth City State University, in that it promotes a challenging and supportive environment for learning. The Department advocates musicality combined with professional skills and knowledge, resulting in a strong development in aesthetics and practical education. The degree programs offered in the Department of Music are:

1. **B.A. in Music (Applied)** - This degree with emphasis in Applied Music, prepares students for graduate studies or a professional career in the arts as performers, private instructors, and/or other arts related areas.
2. **B.A. in Music (Education Licensure)** - This degree prepares music students to become licensed music teachers for grades K-12th. It provides a foundation for students, enabling them to become effective teachers capable of making competent decisions regarding education. The degree also prepares music education students for graduate work.
3. **B.S. in Music Industry Studies** - This degree is uniquely designed to prepare students for many different fields within the music industry. Students in this major may select a concentration in Music Business Administration or Music Engineering and Technology, with hands-on usage of the Department's 24-tracks Recording Studio.

Prospective music majors are enrolled in required major courses during the Freshman and Sophomore years but are not formally admitted to the Department as majors until they have successfully completed the Upper Divisional Examination, which includes theory, sight singing, and performance. This examination is given at the end of the Sophomore year when students have completed four semesters of Theory and Aural Skills courses. Successful continuation in the Department of Music is contingent upon the passing of this examination. For more information, consult the Handbook for Music Majors.

ADMISSION REQUIREMENTS

All students seeking to major or minor in music must first gain admission into Elizabeth City State University by applying to the university through the Office of Admissions. Following admission to the university, prospective music majors must take The Music Theory Placement Exam (MTPE). The exam is used as a diagnostic tool by the Music Department Faculty to determine if a student has the level of skills and training needed to successfully pursue a major in music at the university level. Students with minor deficiencies in Theory will be placed in the Theory Rudiments I and II courses. When rudiment courses are successfully passed, a student may proceed in his or her respective degree program.

AUDITIONS

For acceptance into any of the music programs, the prospective student must audition on all selected applied instruments. All auditions will take place before a panel of faculty. This will assure a fair assessment of playing abilities. Audition procedures for acceptance as a music minor or to concentrate simply in music are the same as those for a music major. Please note that all students must perform on an instrument incorporating a level of music reading. Students passing the Auditions will be enrolled in Applied Music instruction in one or more areas of performance. Beginning instruction is available in piano class and voice class. Individual instruction is available in piano, organ, voice, woodwinds, brasswinds, percussion, strings and other selected instruments. All students seeking permission to register for applied music courses must complete the Applied Music Registration Form.

Non-Music Majors are permitted to register for applied music on a space-available basis. Priority for enrollment is given to students in ensembles

and/or with previous experience. No additional charges for applied instruction are required. Beginning classes are open to all non-music majors in the university. Students enrolled are required to purchase music needed in their instruction.

ENSEMBLES

Students majoring in any of the degree programs are required to participate in one large ensemble each semester of enrollment except during the semesters that students are completing requirements for student teaching or for internships. Guitar applied majors may enroll in Collegian Jazz Ensemble to complete the large ensemble requirement. The ensembles are given such importance in the curriculum for the following reasons:

1. They contribute in a unique way to the education of students by giving them needed experiences of some of the greatest works of music literature, as well as music of various cultures.
2. They contribute to the overall music education of majors by making it possible for them to perform these works.
3. They provide a rich cultural environment and support of other University programs for the entire University Community.

Music majors receive credit as prescribed in their degree programs. Non-music majors may enroll in any of the ensembles for credit or non-credit. Please note that Auditions are required prior to enrollment.

PERFORMANCE REQUIREMENT

Students majoring in Applied Music are required to perform in a Junior and Senior Recital. Students majoring in Music with Education Licensure are required to perform only in a Senior Recital.

SCHOLARSHIPS

For information regarding scholarships, please contact the Department Chairperson, Director of Bands, and/or Director of Choral Activities.

B.A. Degree In Music

Required General Studies Courses: ..... 44 Sem Hrs

Course	Number	Course Title	Credit Hrs.
GE	102	Composition and Literature I	3
GE	103	Composition and Literature II	3
[1]GE	122	Freshman Seminar	1
[2]GE	115	College Algebra or Higher	3
GE	130	Art Appreciation	2
GE	140	World Civilization I	3
GE	141	World Civilization II	3
GE	185	Health Concepts	2
GE	201	World Literature I	3
GE	202	World Literature II	3
[3]MUS	306	Music History II	3
GE		Physical Education Activity	2
		[4] Social Science Electives	6
		Natural Science with Lab	4
		[4] Math or Science Elective	3

1 Prospective teachers will enroll in GE 122T.
2 Placement may be at a higher level. Students in the MET track must complete GE 118 Precalculus.
3 MUS 306 serves as a substitute for GE 135, Introduction to Music Literature.
4 Select these courses in consultation with the Department advisor.

MAJOR: B.A. In Music (Concentration In Applied Music)

A.	**Required General Studies Courses**		**44**	**Sem Hrs**
B.	**Major Requirements**		**65**	**Sem Hrs**
	1. Core Courses		25	Sem Hrs
	MUS 103	Aural Skills I	1	
	MUS 104	Aural Skills II	1	
	MUS 203	Aural Skills III	1	
	MUS 204	Aural Skills IV	1	
	MUS 108	Music Theory I	2	
	MUS 109	Music Theory II	2	
	MUS 208	Music Theory III	2	
	MUS 209	Music Theory IV	2	
	MUS	Ensembles	4	
	MUSA	Principal Instrument	5	
	[1] MUSA	Second Instrument or Piano Class	4	
	MUS 400	Senior Recital	4	
	2. Cognate Courses		20	Sem Hrs
	MUS 207	Live Sound Reinforcement	1	
	MUS 305	Music History I	3	
	MUS 308	Music Theory V	3	
	MUS 309	Music Theory VI	3	
	MUS 338	Conducting	2	
	MUS 312	Orchestration	2	
	MUS 225	Music Technology I	2	
	MUS	Ensembles	4	
	3. Concentration in Applied Music		20	Sem Hrs
	MUSA	Principal Instrument	11	
	Electives:	Choose 9 hours from below	9	
	MUS 116	Intro. to Music Industry Studies I	2	
	[2] MUS 126/127	Voice Diction I and II	2	
	MUS 211	Jazz Theory	2	
	MUS 215	Intro. to the Recording Studio	2	
	MUS 304	History of American Pop Music	2	
	MUS 315	Popular Songwriting	2	
	MUS 345	Brasswind Class	1	
	MUS 346	Woodwind Class	1	
	MUS 347	Percussion Class	1	
	MUS 407	The African-American in Music	3	
	[3] MUS 428	Piano Literature	2	
	[3] MUS 429	Accompanying	2	
	[3] MUS 430	Piano Pedagogy	2	
	[4] MUS 446	Instrumental Techniques	2	
	[2] MUS 447	Choral Techniques	2	
	MUS 456	Church Music	2	
C.	**Free Electives**		**17**	**Sem Hrs**
Total Hours Required for Degree			**126**	**Sem Hrs**

A grade of "C" or higher is required in all music courses.

[1] Piano is required as a secondary instrument for all non-piano majors

[2] Required for Voice Majors

[3] Required for Piano Majors

[4] Required for Instrumental Majors

CURRICULUM GUIDE - B.A. DEGREE IN MUSIC
CONCENTRATION IN APPLIED MUSIC

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	122	Freshman Seminar	1
GE	102	Comp. and Literature I	3
[1]GE	115	College Algebra	3
GE		Physical Ed. Activity	1
MUSA		Principal Instrument	2
[2]MUS	110	Piano Class I	1
		or	
MUSA		Secondary Instrument	
MUS		Ensemble	1
MUS	103	Aural Skills I	1
MUS	108	Music Theory I	2
MUS	207	Live Sound Reinforcement	1
			16

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE		Social Science Elective	3
GE	103	Comp. and Literature II	3
GE		Nat. Sci/Lab.	4
MUSA		Principal Instrument	2
[2]MUS	111	Piano Class II	1
		or	
MUSA		Secondary Instrument	
MUS		Ensemble	1
MUS	104	Aural Skills II	1
MUS	109	Music Theory II	2
			17

SOPHOMORE YEAR

GE	140	World Civilization I	3
GE	201	World Literature I	3
GE	130	Art Appreciation	2
MUS	203	Aural Skills III	1
MUS	208	Music Theory III	2
MUSA		Principal Instrument	2
[2]MUS	112	Piano Class III	1
		or	
MUSA		Secondary Instrument	
MUS		Ensemble	1
MUS	225	Music Technology I	2
			17

GE	141	World Civilization II	3
GE	202	World Literature II	3
GE		Social Science Elective	3
MUS	204	Aural Skills IV	1
MUS	209	Music Theory IV	2
MUSA		Principal Instrument	2
[2]MUS	113	Piano Class IV	1
		or	
MUSA		Secondary Instrument	
MUS		Ensemble	1
GE		Physical Ed. Activity	1
			17

JUNIOR YEAR

GE		Nat. Sci./Math Elect.	3
MUS	305	Music History I	3
MUS	308	Music Theory V	3
MUSA		Principal Instrument	2
MUS		Ensemble	1
[4]MUS	126	Voice Diction or Elective	1
GE	185	Health Concepts	2
		Electives	2
			17

MUS	338	Conducting	2
[3]MUS	306	Music History II	3
MUS	309	Music Theory VI	3
MUSA		Principal Instrument	2
MUS		Ensemble	1
[4]MUS	127	Voice Diction II or Elective	1
MUS	312	Orchestration	2
		Elective	3
			17

SENIOR YEAR

MUSA		Principal Instrument	2
MUS		Ensemble	1
[5]MUS	429	Piano Accompanying or Elective	2
[5]MUS	430	Piano Pedagogy or Elective	2
		Electives	5
MUS		Music Elective	1
			13

MUSA		Principal Instrument	2
MUS		Ensemble	1
[5]MUS	428	Piano Literature or Electives	2
		Electives	7
MUS	400	Senior Recital	0
			12

[1] Placement may be in a higher level course.
[2] Piano is required for all non-piano majors. Placement may be at a higher level.
[3] Substitute for GE 135.
[4] Voice majors only.
[5] Piano majors only.

MAJOR: B.A. Degree In Music Education

A.	**Required General Studies Courses**		**44**	**Sem Hrs**
B.	**[1]Major Requirements**		**50 to 51**	**Sem Hrs**
	1. Core Courses		25	Sem Hrs
	MUS	103 Aural Skills I	1	
	MUS	104 Aural Skills II	1	
	MUS	203 Aural Skills III	1	
	MUS	204 Aural Skills IV	1	
	MUS	108 Music Theory I	2	
	MUS	109 Music Theory II	2	
	MUS	208 Music Theory III	2	
	MUS	209 Music Theory IV	2	
	MUS	Ensembles	4	
	MUSA	Principal Instrument	5	
	[2]MUS	Secondary Instrument or Piano Class	4	
	MUS	400 Senior Recital	0	
	2. Cognate Courses		12	Sem Hrs
	MUS	309 Music Theory VI	3	
	MUS	305 Music History I	3	
	MUS	312 Orchestration	2	
	MUS	338 Conducting	2	
	MUS	Ensemble	2	
	MUS	Ensemble	0	
	3. [3]Concentration in Applied Music		13 to 14	Sem Hrs
	[4]MUS	251/252 Instrumental Survey I and II	2	
	[5]MUS	126/127 Voice Diction I and II	2	
	[6]MUS	123 Voice Class	1	
	[6]MUS	446 Instrumental Techniques	2	
	[4]MUS	447 Choral Techniques	2	
	MUSA	Principal Instrument	7	
	[6]MUS	231 String Class	1	
	[6]MUS	345 Brass Class	1	
	[6]MUS	346 Woodwind Class	1	
	[6]MUS	347 Percussion Class	1	
	[7]MUS	Piano Literature, Accompaniment, or Pedagogy	2	
C.	**Education Requirements**		**30**	**Sem Hrs**
	GE	220 Sophomore Seminar	1	
	EDUC	201 Foundations of Education	3	
	PSY	302 Human Development	3	
	PSY	309 Educational Psychology	3	
	EDUC	428 Music Methods in the Elementary School	3	
	EDUC	429 Music Methods in the Secondary School	3	
	READ	320 Teaching Reading in the Content Areas	2	
	SPED	200 Survey of Exceptional Children	3	
	EDUC	443 Observation and Supervised Teaching in Music	6	
	EDUC	479 Multicultural Education	3	
	EDUC	400 Senior Seminar for Education Majors	P/F	
	EDUC	478 Seminar in Contemporary Educational Issues	P/F	
D.	**[8]Free Electives**		**1 to 2**	**Sem Hrs**
Total Hours Required for Degree			**126**	**Sem Hrs**

A grade of "C" or higher is required in all music courses.

[1]Choral students complete 51 hours. Instrumental students complete 52 hours.

[2]Piano is required as a secondary instrument for all non-piano majors.

[3]Choral/Piano students complete 13 hours. Instrumental students complete 14 hours.

[4]Choral students (voice and piano) only.

[5]Voice students only.

[6]Instrumental students only.

[7]Piano students only.

[8]Instrumental students take one free elective. Choral/Piano students take two free electives.

CURRICULUM GUIDE - B.A. DEGREE IN MUSIC (EDUCATION K-12) (INSTRUMENTAL)

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
[1]GE	115	College Algebra	3
GE	122T	Freshman Seminar	1
GE	142	Intro. to Geography	3
GE		Physical Ed. Activity	1
MUS	103	Aural Skills I	1
MUS	108	Music Theory I	2
[2]MUS	110	Piano Class I	1
MUS	200	University Marching Band	1
MUSA		Principal Instrument	2
			18

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE	103	Comp. and Literature II	3
GE	130	Art Appreciation	2
[3]GE	152	Prin. of Physical Science	3
GE		Physical Ed. Activity	1
GE	185	Health Concepts	2
MUS	104	Aural Skills II	1
MUS	109	Music Theory II	2
[2]MUS	111	Piano Class II	1
MUS	401	Symphonic Wind Ensemble	1
MUSA		Principal Instrument	2
			18

SOPHOMORE YEAR

GE	140	World Civilization I	3
[3]GE	155L	Prin. of Biol. Science w/Lab.	4
GE	201	World Literature I	3
GE	220	Sophomore Seminar	1
[2]MUS	112	Piano Class III	1
MUS	200	University Marching Band	1
MUS	203	Aural Skills III	1
MUS	208	Music Theory III	2
MUS	231	String Class	1
MUSA		Principal Instrument	1
			18

GE	141	World Civilization II	3
GE	202	World Literature II	3
PSY	212	General Psychology	3
EDUC	201	Found. of Education	3
[2]MUS	113	Piano Class IV	1
MUS	401	Symphonic Wind Ensemble	0
MUS	204	Aural Skills IV	1
MUS	209	Music Theory IV	2
MUSA		Principal Instrument	1
MUS		Percussion Class	1
			18

JUNIOR YEAR

MUS	200	University Marching Band	1
MUS	305	Music History I	3
MUS	345	Brasswind Class	1
MUS	346	Woodwind Class	1
MUSA		Principal Instrument	2
READ	320	Teaching Reading	2
PSY	302	Human Development	3
EDUC	479	Multicultural Education	3
			16

MUS	123	Voice Class	1
MUS	401	Symphonic Wind Ensemble	1
[4]MUS	306	Music History II	3
MUS	309	Music Theory VI	3
MUS	312	Orchestration	2
MUS	338	Conducting	2
MUSA		Principal Instrument	2
EDUC	428	Music Methods (Elem)	3
			17

SENIOR YEAR

MUS	200	University Marching Band	1
MUS	446	Instrumental Techniques	2
MUSA		Principal Instrument	2
SPED	200	Survey of Exceptional Children	3
PSY	309	Educational Psychology	3
EDUC	400	Senior Seminar	P/F
EDUC	429	Music Methods (Sec)	3
		Elective	1
			15

MUS	400	Senior Recital	0
EDUC	478	Seminar Contemp. Ed. Issues	P/F
EDUC	443	Obs. & Supervised Tch. Music	6
			6

[1] Substitution of other advanced mathematics courses is permitted.
[2] Piano is required as a secondary instrument for all non-piano majors. Placement may be in a higher level course.
[3] Students may either take a lab with GE 155 or GE 152. Also, GE 155 and GE 152 may be rotated.
[4] Substitute for GE 135 - Introduction to Music Literature.

CURRICULUM GUIDE - B.A. DEGREE IN MUSIC (EDUCATION K-12) (VOCAL)

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
[1]GE	115	College Algebra	3
GE	122T	Freshman Seminar	1
GE	142	Intro. to Geography	3
GE		Physical Ed. Activity	1
MUS	103	Aural Skills I	1
MUS	108	Music Theory I	2
[2]MUS	110	Piano Class I	1
MUS	300	University Choir	1
MUSA	325	Voice	2
			18

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE	103	Comp. and Literature II	3
GE	130	Art Appreciation	2
[3]GE	152	Prin. of Physical Science	3
GE		Physical Ed. Activity	1
GE	185	Health Concepts	2
MUS	104	Aural Skills II	1
MUS	109	Music Theory II	2
[2]MUS	111	Piano Class II	1
MUS	300	University Choir	1
MUSA	325	Voice	2
			18

SOPHOMORE YEAR

GE	140	World Civilization I	3
[3]GE	155L	Prin. of Biol. Science w/Lab.	4
GE	201	World Literature I	3
GE	220	Sophomore Seminar	1
[2]MUS	112	Piano Class III	1
MUS	126	Voice Diction I	1
MUS	203	Aural Skills III	1
MUS	208	Music Theory III	2
MUS	300	University Choir	1
MUSA	325	Voice	1
			18

GE	141	World Civilization II	3
GE	202	World Literature II	3
PSY	212	General Psychology	3
EDUC	201	Found. of Education	3
[2]MUS	113	Piano Class IV	1
MUS	127	Voice Diction II	1
MUS	204	Aural Skills IV	1
MUS	209	Music Theory IV	2
MUS	300	University Choir	0
MUSA	325	Voice	1
			18

JUNIOR YEAR

		Elective	1
MUS	251	Inst. Class Survey I	1
MUS	305	Music History I	3
MUS	300	University Choir	1
MUSA	325	Voice	2
READ	320	Teaching Reading	2
PSY	302	Human Development	3
EDUC	479	Multicultural Education	3
			16

MUS	252	Inst. Class Survey II	1
[4]MUS	306	Music History II	3
MUS	309	Music Theory VI	3
MUS	312	Orchestration	2
MUS	338	Conducting	2
MUS	300	University Choir	1
MUSA	325	Voice	2
EDUC	428	Music Methods (Elementary)	3
			17

SENIOR YEAR

MUS	447	Choral Techniques	2
MUS	300	University Choir	1
MUSA	325	Voice	2
SPED	200	Survey of Exceptional Children	3
PSY	309	Educational Psychology	3
EDUC	400	Senior Seminar	P/F
EDUC	429	Music Methods (Secondary)	3
		Elective	1
			15

MUS	400	Senior Recital	0
EDUC	443	Obs. & Supervised Tch. Music	6
EDUC	478	Seminar Contemp. Ed. Issues	P/F
			6

[1] Substitution of other advanced mathematics courses is permitted.
[2] Piano is required as a secondary instrument for all non-piano majors. Placement may be in a higher level course.
[3] Students may either take a lab with GE 155 or GE 152. Also, GE 155 and GE 152 may be rotated.
[4] Substitute for GE 135 - Introduction to Music Literature.

CURRICULUM GUIDE - B.A. DEGREE IN MUSIC (EDUCATION K-12) (PIANO)

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
[1]GE	115	College Algebra	3
GE	122T	Freshman Seminar	1
GE	142	Intro. to Geography	3
GE		Physical Ed. Activity	1
MUS	103	Aural Skills I	1
MUS	108	Music Theory I	2
[6]MUS	300	University Choir	1
MUSA	311	Piano	1
[2]MUSA	325	Voice	1
			17

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE	103	Comp. and Literature II	3
[3]GE	152	Prin. of Physical Science	3
GE	130	Art Appreciation	2
GE		Physical Ed. Activity	1
GE	185	Health Concepts	2
MUS	104	Aural Skills II	1
MUS	109	Music Theory II	2
[6]MUS	300	University Choir	1
MUSA	311	Piano	1
[2]MUSA	325	Voice	1
			17

SOPHOMORE YEAR

GE	140	World Civilization I	3
GE	201	World Literature I	3
3GE	155L	Prin. of Biol. Science w/Lab.	4
GE	220	Sophomore Seminar	1
MUS	203	Aural Skills III	1
MUS	208	Music Theory III	2
[2]MUSA	325	Voice	1
MUSA	311	Piano	2
[6]MUS	300	University Choir	1
			18

GE	141	World Civilization II	3
GE	202	World Literature II	3
PSY	212	General Psychology	3
EDUC	201	Found. of Education	3
MUS	204	Aural Skills IV	1
MUS	209	Music Theory IV	2
[6]MUS	300	University Choir	0
[2]MUSA	325	Voice	1
MUSA	311	Piano	2
			18

JUNIOR YEAR

		Elective	2
MUS	251	Inst. Class Survey I	1
MUS	305	Music History I	3
[6]MUS	300	University Choir	1
MUSA	311	Piano	2
READ	320	Teaching Reading	2
PSY	302	Human Development	3
EDUC	479	Multicultural Education	3
			17

MUS	252	Inst. Class Survey II	1
[5]MUS	306	Music History II	3
MUS	309	Music Theory VI	3
MUS	312	Orchestration	2
MUS	338	Conducting	2
[6]MUS	300	University Choir	1
MUSA	311	Piano	2
EDUC	428	Music Methods (Elem)	3
			17

SENIOR YEAR

MUS		Choral or Instr. Techniques	2
[6]MUS	300	University Choir	1
MUSA	311	Piano	2
SPED	200	Survey of Exceptional Children	3
PSY	309	Educational Psychology	3
EDUC	429	Music Methods (Sec)	3
EDUC	400	Senior Seminar	P/F
MUS		Piano Lit., Accom. or Pedagogy	2
			16

MUS	400	Senior Recital	0
EDUC	443	Obs. & Supervised Tch. Music	6
EDUC	478	Seminar Contemp. Ed. Issues	P/F
			6

[1] Substitution of other advanced mathematics courses is permitted.
[2] Voice or another instrument may serve as a secondary instrument for all non-piano majors. Placement may be in a higher level course.
[3] Students may either take a lab with GE 155 or GE 152. Also, GE 155 and GE 152 may be rotated.
[5] Substitute for GE 135 - Introduction to Music Literature.
[6] University Band may substitute for University Choir if secondary instrument is a wind instrument.

MAJOR: B.S. In Music (Industry Studies) (Concentration In Music Business Administration)

A.	**Required General Studies Courses**		**44**	**Sem Hrs**
B.	**Core Requirements**		**66**	**Sem Hrs**
	1. Core Courses		25	Sem Hrs
	MUS 103	Aural Skills I	1	
	MUS 104	Aural Skills II	1	
	MUS 108	Music Theory I	2	
	MUS 109	Music Theory II	2	
	MUS 203	Aural Skills III	1	
	MUS 204	Aural Skills IV	1	
	MUS 208	Music Theory III	2	
	MUS 211	Jazz Theory	2	
	MUS	Music Ensembles	4	
	MUSA	Principal Instrument	5	
	[1]MUS	Piano Classes	4	
	2. Cognate Courses		26	Sem Hrs
	MUS 116	Intro. to the Music Industry I	3	
	MUS 117	Intro. to the Music Industry II	3	
	MUS 207	Live Sound Reinforcement	1	
	MUS 215	Intro. to the Recording Studio	2	
	MUS 225	Music Technology I	2	
	MUS 226	Music Technology II	2	
	MUS 304	History of American Popular Music	2	
	MUS 315	Popular Songwriting	2	
	MUS 431	Music Industry Seminar I	3	
	MUS 432	Music Industry Seminar II	3	
	MUS 305	Music History I	3	
	MUS	Music Ensembles	0	
	3. Concentration in Music Business Administration		15	Sem Hrs
	MUS 415	Music Salesmanship	3	
	[2]MUS 417	Internship	6	
	MUS 418	Music Merchandising	3	
	MRKT 431	Retailing	3	
C.	**Related Course Requirements**		**18**	**Sem Hrs**
	CSC 111	Intro. to Computing	3	
	ACCT 211	Principles of Accounting I	3	
	MNGT 221	Principles of Management	3	
	MRKT 231	Principles of Marketing	3	
	BUAD 241	Business Law I	3	
	BUAD 380	Management Information Systems	3	
Total Hours Required for Degree			**128**	**Sem Hrs**

A grade of "C" or higher is required in all music courses.

[1] Piano is required as a secondary instrument for all non-piano majors.

[2] Students not interning will take six additional hours of music or business electives.

CURRICULUM GUIDE - B.S. DEGREE IN MUSIC INDUSTRY STUDIES WITH CONCENTRATION IN BUSINESS ADMINISTRATION

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
GE		Physical Ed. Activity	1
[1]GE	115	College Algebra	3
GE	122	Freshman Seminar	1
MUS	103	Aural Skills I	1
MUS	108	Music Theory I	2
[2]MUS	110	Piano Class I	1
MUS	116	Intro. to Music Ind. I	3
MUS		Ensemble	1
MUSA		Principal Instrument	1
MUS	207	Live Sound Reinforcement	1
			18

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE	103	Comp. and Literature II	3
GE		Physical Ed. Activity	1
GE	130	Art Appreciation	2
CSC	111	Intro. to Computing	3
MUS	104	Aural Skills II	1
MUS	109	Music Theory II	2
[2]MUS	111	Piano Class II	1
MUS	117	Intro. to Music Ind. II	3
MUS		Ensemble	0
MUSA		Principal Instrument	1
			17

SOPHOMORE YEAR

GE	140	World Civilization I	3
GE	201	World Literature I	3
GE		Soc. & Behav. Sci. Elective	3
[2]MUS	112	Piano Class III	1
MUS	203	Aural Skills III	1
MUS	208	Music Theory III	2
MUS		Ensemble	1
MUSA		Principal Instrument	1
MNGT	221	Principles of Management	3
			18

GE	141	World Civilization II	3
GE	202	World Literature II	3
GE		Nat. Sci/Lab	4
MUS	113	Piano Class IV	1
MUS	204	Aural Skills IV	1
[2]MUS	211	Jazz Theory	2
MUS	215	Intro. to Recording Studio	2
MUS		Ensemble	1
MUSA		Principal Instrument	1
			18

JUNIOR YEAR

GE		Soc. & Behav. Sci. Elective	3
ACCT	211	Prin. of Accounting I	3
BUAD	241	Business Law I	3
MUS	225	Music Technology I	2
MUSA		Principal Instrument	1
MUS		Ensemble	0
GE	185	Health Concepts	2
MUS	305	Music History I	3
			17

GE		Nat. Sci/Math. Elective	3
MRKT	231	Prin. of Marketing	3
[3]MUS	306	Music History II	3
MUS	418	Music Merchandising	3
MUS	315	Pop. Songwriting	2
MUS		Ensemble	0
MUS	226	Music Technology II	2
			16

SENIOR YEAR

MUS	415	Music Salesmanship	3
MUS	431	Music Industry Seminar I	3
BUAD	380	Mgmt. Info. Systems	3
MUS		Ensemble	1
MUS	304	History of American Pop Music	2
			12

[4]MUS	417	Internship (12 weeks)	6
MUS	432	Music Industry Seminar II	3
MRKT	431	Retailing	3
			12

A grade of "C" or higher is required in all music courses.

[1] Substitution of other advanced mathematics course is permitted.

[2] Piano is required as a secondary instrument for all non-piano majors. Placement may be in a higher level course..

[3] Substitute for GE-135 – Introduction to Music Literature.

[4] Students not interning will take additional hours of music or business electives.

MAJOR: B.S. In Music (Industry Studies) (Concentration In Music Engineering & Technology)

A.	**[1]Required General Studies Courses**			**44**	**Sem Hrs**
B.	**Core Requirements**			**65**	**Sem Hrs**
	1. Core Courses			25	Sem Hrs
	MUS	103	Aural Skills I	1	
	MUS	104	Aural Skills II	1	
	MUS	108	Music Theory I	2	
	MUS	109	Music Theory II	2	
	MUS	203	Aural Skills III	1	
	MUS	204	Aural Skills IV	1	
	MUS	208	Music Theory III	2	
	MUS	211	Jazz Theory	2	
	MUS		Music Ensembles	4	
	MUSA		Principal Instrument	5	
	[2]MUS		Piano Classes	4	
	2. Cognate Courses			26	Sem Hrs
	MUS	116	Intro. to the Music Industry I	3	
	MUS	117	Intro. to the Music Industry II	3	
	MUS	207	Live Sound Reinforcement	1	
	MUS	215	Intro. to the Recording Studio	2	
	MUS	225	Music Technology I	2	
	MUS	226	Music Technology II	2	
	MUS	304	History of American Popular Music	2	
	MUS	305	Music History I	3	
	MUS	431	Music Industry Seminar I	3	
	MUS	432	Music Industry Seminar II	3	
	MUS	315	Popular Songwriting	2	
	MUS		Music Ensembles	0	
	3. Concentration in Music Engineering & Technology			14	Sem Hrs
	MUS	354	Audio Engineering I	3	
	MUS	355	Audio Engineering II	3	
	MUS	454	Studio Production Seminar I	3	
	MUS	455	Studio Production Seminar II	3	
	MUS	460	Digital Audio Technology	2	
C.	**Related Course Requirements**			**12**	**Sem Hrs**
	CSC	111	Intro. to Computing	3	
	TCEL	131	Electrical Circuits I	3	
	TCEL	132	Electrical Circuits II	3	
			Advanced Electronics or Computer Elective	3	
D.	**[3]Electives or Internship**			**6**	**Sem Hrs**
	Total Hours Required for Degree			**127**	**Sem Hrs**

A grade of "C" or higher is required in all music courses.

[1] Required: GE 118 Precalculus and Physics 181/L and 182/L.

[2] Piano is required as a secondary instrument for all non-piano majors.

[3] Students not interning will take six additional hours of music or business electives.

CURRICULUM GUIDE - B.S. DEGREE IN MUSIC INDUSTRY STUDIES WITH CONCENTRATION IN MUSIC ENGINEERING & TECHNOLOGY

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
GE	118	Precalculus	3
GE	122	Freshman Seminar	1
GE		Physical Ed. Activity	1
MUS	103	Aural Skills I	1
MUS	108	Music Theory I	2
[1]MUS	110	Piano Class I	1
MUS	116	Intro. to Music Ind. I	3
MUS		Ensemble	1
MUSA		Principal Instrument	1
MUS	207	Live Sound Reinforcement	1
			18

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE	103	Comp. and Literature II	3
GE	130	Art Appreciation	2
GE		Physical Ed. Activity	1
MUS	104	Aural Skills II	1
MUS	109	Music Theory II	2
[1]MUS	111	Piano Class II	1
MUS	117	Intro. to Music Ind. II	3
MUS	215	Intro. to Recording Studio	2
MUS		Ensemble	1
MUSA		Principal Instrument	1
			17

SOPHOMORE YEAR

GE	140	World Civilization I	3
TCEL	131	Electrical Circuits I	3
PHYS	181	Gen. Physics I/Lab	4
[1]MUS	112	Piano Class III	1
MUS	203	Aural Skills III	1
MUS	208	Music Theory III	2
MUS	225	Music Technology I	2
MUSA		Principal Instrument	1
MUS		Ensemble	0
			17

GE	141	World Civilization II	3
GE	185	Health Concepts	2
TCEL	132	Electrical Circuits II	3
PHYS	182	Gen. Physics II	3
[1]MUS	113	Piano Class IV	1
MUS	204	Aural Skills IV	1
MUS	211	Jazz Theory	2
MUS		Ensemble	1
MUSA		Principal Instrument	1
			17

JUNIOR YEAR

GE		Social Sciences Elective	3
GE	201	World Literature I	3
CSC	111	Intro. to Computing	3
MUS	354	Audio Engineering I	3
MUSA		Principal Instrument	1
		Ensemble	0
MUS	305	Music History I	3
			16

GE		Social Sciences Elective	3
GE	202	World Literature II	3
[2]MUS	306	Music History II	3
MUS	355	Audio Engineering II	3
MUS		Ensemble	0
MUS	226	Music Technology II	2
MUS	315	Popular Songwriting	2
			16

SENIOR YEAR

MUS	431	Music Industry Seminar I	3
MUS	454	Studio Prod. Seminar I	3
MUS	460	Digital Audio Tech.	2
		[3] Electives	3
MUS		Ensemble	1
MUS	304	History of American Popular Music	2
			14

MUS	432	Music Industry Seminar II	3
MUS	455	Studio Prod. Seminar II	3
		Electives or	
		[4] Internship (12 weeks)	6
			12

[1] Piano is required for all non-piano majors. Placement may be at a higher level.
[2] Substitute for GE-135 – Introduction to Music Literature.
[3] One advanced computer or electronics elective is required.
[4] Students not interning will take six additional hours of music or business electives.

ACADEMIC CONCENTRATION IN MUSIC

[2] MUS	103	Aural Skills I	1
MUS	104	Aural Skills II	1
[2]MUS	108	Music Theory I	2
MUS	109	Music Theory II	2
MUS	203	Aural Skills III	1
MUS	208	Music Theory III	2
MUS	305	Music History I	3
[1]MUS	306	Music History II	3
MUS	338	Conducting	2
MUS		Ensemble	2
MUSA		Principal Instrument	4
MUS		Elective	1
Total Hours Required for Academic Concentration			**24**

A grade of "C" or higher is required in all music courses.
[1] MUS 306 may be used as a General Education Requirement.
[2] Education majors choosing Music as an academic concentration may substitute MUS 103/MUS 108 for MUS 227.

MINOR IN MUSIC

MUS	103	Aural Skills I	1
MUS	104	Aural Skills II	1
MUS	108	Music Theory I	2
MUS	109	Music Theory II	2
[1]MUS	306	Music History II	3
MUS	338	Conducting	2
MUSA		Principal Instrument	4
MUS		Ensembles	2
MUS		Music Electives	4
Total Hours Required for Minor			**21**

A grade of "C" or higher is required in all music courses.
[1] MUS 306 substitutes for GE 13S.

GENERAL EDUCATION

GE 135: Introduction to Music Literature (2) (F;S)
Study of elements of music and brief historical survey of musical style periods with discussion of major composers and types of compositions written in each. No previous musical knowledge assumed. Listening emphasized.

MUSIC

MUS 101: Student Recitals (0) (F;S)
Departmental student recitals are designed to give students a chance to perform for one another and the faculty. All music majors are required to attend each recital, designated concert and lecture class which include topics on Performance Health and Recital Etiquette.

MUS 103: Aural Skills I (1) (F)
Designed to develop and coordinate aural and visual techniques through ear training, dictation, and sight singing, including pitch recognition, intervals, triads, simple and two-part melodies, and rhythmic patterns. To be taken primarily by music majors concurrently with MUS 108.

MUS 104: Aural Skills II (1) (S)
Continuation of MUS 103 to develop aural and visual techniques through ear training, dictation, and sight singing. To be taken concurrently with MUS 109. Prerequisite: MUS 103.

MUS 108: Music Theory I: Ingredients of Music (2) (F)
A study of the elements of music and the introduction of concepts basic to the understanding of all music: Principles of notation, scales, time in music, intervals, chords, signs and abbreviations, dynamics and tempo markings. Also construction of simple melodies and species counterpoint. Prerequisite: Music Theory Placement Exam or consent of Department Chair.

MUS 109: Music Theory II: Harmony (2) (S)
Basic triads and seventh chords of the functional diatonic harmonic system of the period of common practice, including analysis, part writing, and the setting of simple songs. Prerequisite: MUS 108.

MUS 110: Piano Class for Beginners I (1) (F;S)
Class instruction for beginners. No previous musical instruction required. Introduction to the keyboard and notation. Harmonization of simple melodies, transposition, sight-reading, and improvisation. Major triads and major five-finger patterns. Reading in all major keys. Introduction to standard literature.

MUS 111: Piano Class for Beginners II (1) (F;S)
Introduction to minor keys and minor five-finger patterns. Major, minor, augmented and diminished chords in all keys. Playing major scales and arpeggios in all keys. Harmonization using varied accompaniment patterns. Sight-reading, transposition and improvisation. Performing standard literature. Prerequisite: MUS 110 or consent of Department Chair.

MUS 112: Piano Class for Beginners III (1) (F)
All major scales, two octaves, hands together, arpeggios, pedaling. Introduction to piano literature. Prerequisite: MUS 111 or consent of Department Chair.

MUS 113: Piano Class for Beginners IV (1) (S)
Continuation of MUS 112. All minor scales, two octaves, hands together, arpeggios. Introduction of more advanced literature. Hymns and patriotic songs. Improvised accompaniments to simple tunes. Prerequisite: MUS 112 or consent of Department Chair.

MUS 116: Introduction to the Music Industry I (3) (F)
Survey of the Music Industry. Topics discussed include songwriting and publishing, national and international copyright law, licensing, unions and guilds, artist management, and concert promotion.

MUS 117: Introduction to the Music Industry II (3) S
Survey of the Music Industry. Topics discussed include wholesale and retail operations, arts administration, record production, promotion and distribution, radio and television broadcasting, advertising and jingle production, and film scoring. Prerequisite: MUS 116 or consent of Department Chair.

MUS 118: Music Theory Rudiments I (1) (F)
An introduction to the materials of concepts used in music theory. Includes study of staff/pitch identification, major and minor key signatures and scales, melodic intervals and meter. (Formerly Basic Musicianship I.)

MUS 119: Music Theory Rudiments II (1) (S)
Continuation of Music 118. Materials include major and minor triads and their inversions, the harmonic and melodic minor scales and beginning harmonic analysis. Prerequisite: MUS 118 or permission of instructor. (Formerly Basic Musicianship II.)

MUS 123: Voice Class (1) (S)
One-semester course designed to instruct singers of little or no formal training in the development of fundamental principles and techniques of singing. Emphasis placed on correct posture, consistent breath control, a free, yet ringing tone and diction that is clear and articulate through the performance of selected literature. Attention also given to vocal problems and possible remedies.

MUS 126: Voice Diction (1) (F)
Required of all majors taking Voice as a principal instrument. Discussion and practice in fundamentals of correct pronunciation and enunciation for singing in English and Italian, utilizing the International Phonetic Alphabet. In-class performance of selected literature.

MUS 127: Voice Diction II (1) (S)
Required of all majors taking Voice as a principal instrument. Discussion and practice in fundamentals of correct pronunciation and enunciation for singing in German and French, utilizing the International Phonetic Alphabet. In-class performance of selected literature. Prerequisite: MUS 126 or consent of Department Chair.

MUS 203: Aural Skills III (1) (F)
Continuation of MUS 104, adding chromatic lines, modulation, and more complex rhythms. To be taken concurrently with MUS 208. Prerequisite: MUS 104.

MUS 204: Aural Skills IV (1) (S)
Continuation of MUS 203. More difficult rhythmic and melodic patterns. To be taken concurrently with MUS 209. Prerequisite: MUS 203.

MUS 207: Live Sound Reinforcement (1) (F)
Introduction to live sound reinforcement including use of public address systems for university functions. Study of signal path, crossovers, power amplifiers and introduction of live recording discussed. Concurrent enrollment required in: MUS 108, 110 or 118.

MUS 208: Music Theory III: The Structure of Tonality I (2) (F)
The study of the basic principles of form in music, especially binary and ternary structures. The introduction of chromatic harmony with secondary dominant chords and modulation. Part writing and settings of songs. Prerequisite: MUS 109.

MUS 209: Music Theory IV: The Structure of Tonality II (2) (S)
Continued chromatic harmony including the Neapolitan sixth and augmented sixth chords. Advanced song settings using all the devices of the common practice period. Prerequisite: MUS 208.

MUS 211: Jazz Theory (2) (S)
Exploration of contemporary diatonic and chromatic chord progression and root motion found in current popular music styles. Chord Symbols and Roman Numeral analysis, and principles of chord progressions and linear harmonic continuity. Substitute dominant chords, modulations, and blues progressions, diminished chord patterns and appropriate substitutions. Minor tonality chord progressions, deceptive resolutions, and melody-harmony relationships. Reharmonization of standard chord progressions, modal harmony, and use of pedal point and ostinato. Prerequisites: Successful completion of MUS 108, MUS 109, MUS 208.

MUS 215: Introduction to the Recording Studio (2) (S)
An insightful look into modern record production. Discussion and demonstration expose students to the equipment and techniques used in today's music industry. Classes use the on-campus professional 24-track recording and MIDI/electronic music studios. No previous knowledge of audio recording is required. Prerequisite: MUS 108, MUS 110 or equivalent.

MUS 225: Music Technology I (2) (F)
(Music majors only)
Introduction to music technology and MIDI applications including sequencing and music notation software. Topics discussed include early synthesizers and the fundamentals of sound synthesis, oscillators, envelope generators, digital synthesizers, drum machines, and digital effects modules. Students will be introduced to computer control of MIDI devices. Hands-on experiences will take place in the music technology/MIDI laboratory. Prerequisite: MUS 111.

MUS 226: Music Technology II (2) (S)
(Music majors only)
Advanced use of music technology and MIDI to produce complete, full-length recordings using the computer platform as a compositional tool. Other topics include maintenance of computer hardware and software, librarian sound editing and manipulation and multimedia. Hands-on experiences will take place in the music technology/MIDI laboratory. Prerequisite: MUS 225.

MUS 227: Fundamentals of Music (1) (F;S)
Designed primarily for Education majors with little experience in music. Study of rudiments of music. Activities approach used to develop skills in singing, reading music, and playing instruments used in elementary grades.

MUS 231: String Class (1) (F)
Special study of violin, viola, violoncello and bass viol to achieve working knowledge of these instruments.

MUS 233: Afro-Latin-American Percussion Techniques and Methods (1) (F,S) ***(Offered on Demand)***
A course designed to provide basic technical knowledge and rhythmic understanding of the many authentic, popular, and commercial performing practices through the study of playing and style techniques associated with the major Afro-Latin-American instruments. Prerequisite: MUSA 333, and consent of Department Chair.

MUS 251/252: Instrumental Class Survey I, II (1/1) (F;S)
Designed to give students a fundamental knowledge of tone production and fingering of the instruments. Strings and Percussion covered in Fall semester, Brass and Woodwinds in the Spring.

MUS 304: History of American Pop Music (2) (F)
The study of commercial music through the sentimental ballad and popular song, as related to music industry development, and to the sociomusical influences of the commercial song from around 1900 to the present. This course will also include a special study of Jazz, Rhythm and Blues, and their beginnings.

MUS 305: Music History – Early through Baroque (3) (F)
Survey of developments in Western Art Music from its early beginning through 1750. Includes study of styles, forms, contributions of major composers, extensive in-class listening and study of scores. Designed primarily for music majors but may be taken by other interested students. Prerequisite: Consent of Department Chair or completion of MUS 108.

MUS 306: Music History – Classical to Contemporary (3) (S)
Traces development of the major forms (symphony, opera, concerto, chamber music) from 1750 to present, through study of major European and American composers and representative pieces. Introduction to avant-garde techniques as well a variety of music representing various cultures. Designed primarily for music majors, but may be taken by other interested students. Prerequisite: Consent of Department Chair or completion of MUS 108.

MUS 308: Music Theory V: Counterpoint (3) (F)
An analysis of contrapuntal writings of the outstanding composers of the 18th century and distillation of appropriate rules for contrapuntal writing. Writing of counterpoint in two, three, and four voices. Prerequisite: MUS 209.

MUS 309: Music Theory VI: Form And Analysis (3) (S)
A structural and analytical study of harmonic, contrapuntal, and formal procedures of various forms in music and the forms of music as exhibited in the history of Western music. Prerequisite: MUS 209.

MUS 312: Orchestration (2) (S)
A study of the art of writing for the orchestra and various instrumental ensembles. Focus on the instruments, ranges, transpositions and clef notation, timbre, technical limitations, special effects and the art of combining instrumental colors. Studies will also include score reading and transcription exercises. Prerequisite: MUS 209 or consent of Department Chair.

MUS 315: Pop Songwriting (2) (S)
An evaluation of all aspects of song writing: creating, composing, business aspects, lyric writing, and song styles. Music industry perspectives are explored along with discussions on demo production and instrumentation of various musical styles. Prerequisites: MUS 204, 209 or equivalent; MUS 113 or equivalent.

MUS 338: Conducting (2) (S) (Music majors only)
Basic technical problems involved in conducting and interpreting instrumental and choral music. Practical experiences provided. Prerequisite: MUS 209 or consent of Department Chair.

MUS 345: Brasswind Class (1) (F) ***(Music majors only)***
Practical experience in developing skills and acquiring knowledge about instruments of the brass family.

MUS 346: Woodwind Class (1) (S) ***(Music majors only)***
Practical experience in developing skills and acquiring knowledge about the instruments of the woodwind family.

MUS 347: Percussion Class (1) (S) ***(Music majors only)***
Practical experience in developing skills and acquiring knowledge about the instruments of the percussion family.

MUS 354: Audio Engineering I (3) (F) ***(Music majors only)***
A detailed study of recording fundamentals. Topics discussed include DB and signal levels, console signal flow, microphone design and technique, tape recorder

operation, signal processors, speaker design and application, wiring and grounding basics. Students use the on-campus professional 24-track recording and MIDI/electronic music studios for individual projects and assignments. Prerequisites: MUS 215, MUS 225.

MUS 355: Audio Engineering II (3) (S)
(Music majors only)
Critical listening and multitrack recording techniques such as studio and console set-up, tracking, overdubbing, and mixing are developed. Additional topics include MIDI, SMPTE, synchronization applications, maintenance and equipment calibration, live sound reinforcement, and remote recording. Students use the on-campus professional 24-track recording and MIDI/electronic music studios for individual projects and assignments. Prerequisite: MUS 354 and consent of Department Chair.

MUS 400: Senior Recital (0) (F;S)
This course is the final performance requirement for B.A. in music (Applied) and music education majors.

MUS 407: The Afro-American in Music (3)
(Offered on demand)
Major emphasis on U.S. performers and developments in music-making of 17th through 19th and early 20th centuries. Also, U.S. composers, 18th through 20th centuries. Limited attention to folk music, jazz, and developments in gospel music. Some attention to performers and creators outside of this country, ca. 900–1900. Prerequisite: GE 135 or consent of Department Chair.

MUS 408: Music Theory VII: Tonal Chromaticism To Serialism (3) (F)
(Offered on demand)
A study of post-Romanticism and the dissolution of hierarchical structures, the whole-tone scale and Impressionism through Serialism. Prerequisite: MUS 309.

MUS 409: Music Theory VIII: Contemporary Music (3) ***(Offered on demand)***
A study of the writings of 20th Century music theorists including Hindemith and Schenker. Writing of compositions using contemporary techniques. Prerequisite: Consent of Department Chair.

MUS 415: Music Salesmanship (3) (F)
Techniques and methods of salesmanship in the music industry at the retail, wholesale, and manufacturer's levels. Topics discussed include positive attitude, verbal skills, negotiating techniques, professional and personal relationships, networking, and sales presentations and organization. Prerequisite: Senior standing or consent of Department Chair.

MUS 417: Music Industry Internship (6) (F;S;SS) ***(Music majors only)***
A 12-week internship in the music industry studies field. Prerequisite: Senior status and/or consent of the Director of Music Industry Studies and the Department Chair.

MUS 418: Music Merchandising (3) (S)
An in-depth examination of the principles of successful music manufacturing and retailing. Topics discussed include planning and budgeting, inventory selection and control, financial analysis, personnel management, customer relations, promotion and marketing, and wholesale/retail cycles within the music industry. Prerequisites: MUS 117, MRKT 221 or consent of Department Chair.

MUS 428: Piano Literature (2)
(Offered on demand)
Composers, forms and styles of literature for piano and its ancestors from 17th century to present. Audiovisual experiences provided. Prerequisite: MUS 306 or consent of Department Chair.

MUS 429: Piano Accompanying (2)
(Offered on demand)
Techniques in the art of piano accompanying. Practical experiences in sight-reading and transposition along with accompanying soloists and various combinations of voices and instruments. May be repeated for credit. Prerequisite: Consent of Department Chair.

MUS 430: Piano Pedagogy (2)
(Offered on demand)
Emphasis on piano teaching problems. Methods and materials used in teaching the instrument. Practical experiences in giving piano instruction to pupils at various levels of advancement. Prerequisite: Consent of Department Chair.

MUS 431: Music Industry Seminar I (3) (F)
(Music majors only)
An advanced practicum which examines the principles and practices of the publishing industry. Topics discussed include music selection, editing, and production, national and international copyright law, contractual negotiations and administration. Prerequisite: MUS 117 or consent of Department Chair.

MUS 432: Music Industry Seminar II (3) (S)
(Music majors only)
An advanced practicum which examines the principles and practices of the record industry and live concert production. Topics discussed include record production, product marketing and distribution, sales analysis, non-profit arts administration, and live con-

cert promotion and production. Prerequisite: MUS 431 or consent of Department Chair.

MUS 446: Instrumental Techniques and Conducting (2) (F)
Addresses methods of directing organizations, problems of instrumental ensembles, materials and special techniques. Conducting experiences provided and related problems studied. Prerequisite: MUS 338 or equivalent.

MUS 447: Choral Techniques and Conducting (2) (F)
A capella and accompanied literature for youth and adult choirs. Conducting, style and interpretation, development of tone, vocal problems, rehearsal procedures, and program building. Practical experiences required. Prerequisite: MUS 338 or equivalent.

MUS 454: Studio Production Seminar I (3) (F)
(Music majors only)
An advanced studio practicum integrating student recording projects with discussion on such topics as recording studio management and administration, advanced audio production techniques, audio-for-video production, and studio design and installation. Students use the on-campus professional 24-track recording and MIDI/electronic music studios for individual projects and assignments. Prerequisite: MUS 355. Concurrent enrollment in MUS 431.

MUS 455: Studio Production Seminar II (3) (S)
(Music majors only)
An advanced studio practicum emphasizing studio music production. Students will plan, organize, budget, produce, and engineer recording projects. Emphasis is placed on meeting current industry standards in artistic and technical proficiency. Prerequisite: MUS 454. Concurrent enrollment in MUS 432.

MUS 456: Church Music (2)
(Offered on demand)
Investigates repertoire for groups varying in size and composition. Hymnody, personnel, and facilities. Audiovisual and out-of-class experiences when feasible. Prerequisite: Consent of Department Chair.

MUS 457: Senior Project (1) (F)
(Offered on demand)
A creative project in music, in which emphasis will be placed on the ability to organize musical ideas into logical homogeneous forms or a written presentation based on research topic. Classes are by private tutorial instruction.

MUS 458: Senior Project II (1) (S)
(Offered on demand)
This course is a continuation of MUS 457. Students will be required to present their completed projects before the end of the term.

MUS 460: Digital Audio Technology (2) (F)
(Music majors only)
A detailed examination of the principles of digital audio and its application in today's recording industry. Topics discussed include digital audio fundamentals, recording and reproduction systems, and digital media including compact disc, magnetic tape, optical disk. Applications for both studio production and consumer use are discussed along with current developments. Introduces students to mastering software and digital interfaces. Prerequisite: MUS 325 and MUS 355.

APPLIED MUSIC

MUSA 311 through MUSA 394: Applied Music for Majors, Minors, and Special Students (1 or 2) (F;S)
Individual instruction in piano, organ, voice, wind, percussion and selected string instruments with prescribed literature for each level of achievement. Two semester hours credit given on basis of one 50-minute lesson and eight hours of practice per week with satisfactory progress on the level in which enrolled. One hour credit given on basis of one 25-minute lesson and four hours practice per week. Examination before a jury of music faculty members required of all music majors. Each applied teacher will address performance health techniques with all students. Further information found in Departmental Handbook. May be repeated for credit.

Piano	MUSA 311
Organ	MUSA 318
Voice	MUSA 325
Flute	MUSA 339
Recorder	MUSA 340
Oboe	MUSA 343
Clarinet	MUSA 348
Bassoon	MUSA 354
Alto Saxophone	MUSA 358
Trumpet	MUSA 362
French Horn	MUSA 390
Trombone	MUSA 370
Baritone Horn	MUSA 366
Tuba	MUSA 394
Percussion	MUSA 333
Violin	MUSA 374
Guitar	MUSA 388

MUSA 011 through MUSA 094: Applied Music for Non-Music Majors (0 or 1) (F;S)

Requires one 25-minute lesson and four hours of practice per week with satisfactory progress on the level on which enrolled. Permission to enroll for no credit may be granted in certain special cases. Each applied teacher will address performance health techniques with all students. May be repeated for credit.

Piano	MUSA 011
Organ	MUSA 018
Voice	MUSA 025
Flute	MUSA 039
Recorder	MUSA 040
Oboe	MUSA 043
Clarinet	MUSA 048
Bassoon	MUSA 054
Saxophone	MUSA 058
Trumpet	MUSA 062
French Horn	MUSA 090
Trombone	MUSA 070
Baritone Horn	MUSA 066
Tuba	MUSA 094
Percussion	MUSA 033
Violin	MUSA 074
Guitar	MUSA 088

MUSICAL ORGANIZATIONS & ENSEMBLES

Admission to all musical groups dependent upon audition. All ensembles may be repeated for credit.

Mus 015: University Basketball Band (0 or 1) (s)

The University Basketball Band serves the university Community in a supportive capacity with responsibilities for fostering school spirit at basketball and other athletic events. The Basketball Band is open to all interested instrumentalists at the university, however, maximum membership is limited to twenty-five. Admission is by selection of the university Band Staff.

MUS 200: University Marching and Concert Band (0 or 1) (F)

Emphasis placed on development of aesthetic sensitivity and perception through ensemble performance. Appropriate literature for marching and concert bands will be studied and performed. Emphasis is placed on marching band techniques and performances during the fall semester. Students admitted should be able to perform literature at grade level three or above. Admission is achieved by audition.

MUS 201: University Marching and Concert Band (0 or 1) (S) (Offered on Demand)

Continuation of MUS 200 during the Spring semester with emphasis placed on the study of light concert music, enhancement of students musicianship and the development of marching band techniques for non-instrumentalists. Admission is achieved through selection by the Band Staff.

MUS 210: Brasswind Ensemble (0 or 1) (F;S)

Study and performance of chamber music for combinations of brass instruments.

MUS 220: Woodwind Ensemble (0 or 1) (F;S)

Study and performance of chamber music for combinations of woodwind instruments.

MUS 230: Percussion Ensemble (0 or 1) (F;S)

Study and performance of chamber music for combinations of percussion instruments.

MUS 240: Collegians (Jazz Ensemble) (0 or 1) (F;S)

The university's musical ensemble, Collegians, is dedicated to performing and experiencing jazz. The repertoire includes standard and contemporary jazz literature. Performances occur on and off campus. Open to all students with the necessary instrumental proficiency. Auditions required.

MUS 250: Collegium Musicum (1) (F;S) (Offered on demand)

Study and performance of Medieval, Renaissance, and Baroque choral and instrumental music.

MUS 260: Orchestra (1) (F;S) (Offered on demand)

Study and performance of standard orchestral literature.

MUS 300: University Choir (0 or 1) (F;S)

A select mixed choir whose repertoire includes a wide variety of standard choral literature. Performances occur regularly on-and off-campus.

MUS 310: Choral Ensemble (0 or 1) (F;S)

Participation by advanced students in a regularly scheduled vocal ensemble, performing appropriate works from the literature for small vocal groups. Selected by invitation only.

MUS 401: University Symphonic Wind Ensemble (0 or 1) (F;S)

The University Symphonic Wind Ensemble is the premier Instrumental Ensemble and touring organization of the university. Emphasis is on the performance of quality wind literature. Students must be capable of playing music at grade five or above. This ensemble is mandatory for instrumental music majors, but non-music majors participation is encouraged. Members of the faculty and community who are instrumentalists are encouraged to participate in this organization. Admission for non-music majors and faculty is through selection and invitation by the university Band Staff.

DEPARTMENT OF *Social Sciences*

The Department of Social Sciences offers courses in Criminal Justice, Sociology, and Social Work. Through its offerings, the Department acquaints students with social groupings and social forces which affect human behavior. Its major objectives are:

1. to offer courses leading to the bachelor's degree;
2. to provide students with experiences which will enable them to actively participate in group life;
3. to prepare students to interpret relationships between human activities and the natural environment;
4. to enable students to understand social factors which shape our global society; and
5. to help students better understand their own personalities and to identify ways in which social institutions can be improved through the contributions of the individual citizen.

The Department provides non-teaching degree programs for majors in Criminal Justice, Sociology, and Social Work. The Criminal Justice degree program leads to the Bachelor of Science degree (B.S.) and the Social Work program confers the B.S.W. degree. The Sociology Curriculum Program lead to a Bachelor of Arts (B.A.) degree. The degree programs are also designed to prepare students for graduate and professional study.

The Department offers an academic concentration in Social Science and minors in Corrections, Criminal Justice, Juvenile Justice, Gerontology, and Sociology. A total of 21–26 semester hours is required for a minor.

The Department provides, in addition, courses required in the General Education Core. Students may also elect courses for their enrichment.

Social Sciences Program majors are required to earn a minimum grade point average of "C" in their major, minor, and related courses.

In addition to regular classroom work, students majoring in Criminal Justice and Social Work are required to do an internship. The purpose of the internship program is to offer students an opportunity to integrate classroom knowledge with practical experience.

Criminal Justice Degree Program:

This program seeks to provide undergraduate instruction in Criminal Justice to both new students and personnel currently in this field. Criminal Justice Practitioners who have graduated from a two-year accredited community college or technical institute with an Associate Degree in Criminal Justice, Law Enforcement, etc., and who satisfy the General Education Program requirements at Elizabeth City State University, may be admitted to this program with junior status. Each student entering the Department and declaring Criminal Justice as his/her major is expected to adhere to a Criminal Justice Code of Ethics. The Code is designed to make each student aware of his/her moral and legal obligations to the field of Criminal Justice.

Sociology Degree Program

This program seeks to provide undergraduate instruction in Sociology and prepare students to pursue graduate study in Sociology or in other related areas; to train students to make practical application of sociological knowledge; to improve social well-being in American society; to identify, understand, evaluate, and implement the logical theories and perspectives of sociology.

Social Work Program & Practicum Policies

The Social Work program is in candidacy for accreditation by the Council on Social Work Education. This program seeks to provide undergraduate instruction in Social Work and to assist students in developing careers in this field. This includes preparation for continued learning in professional and graduate schools. The program also seeks to teach selected aspects of human growth and social development; social welfare, services, policies, and legislation; the methodology of services delivery; and ethical guidelines for practice in a challenging profession.

Social work students must complete the 200-level, foundation courses – SOWK 205, SOWK 210, SOWK 220, SOWK 250, and SOWK 260 – and apply for admission to the program. They must complete an application form and a narrative describing their reasons for majoring in social work, their career plans, and how they apply what they have learned so far to their career plans. The social work faculty will evaluate all application forms and narratives. A *student may be rejected or dismissed from the program due to (1) GPA less than 2.0; (2) inadequate performance (grades less than "C") in the foundation courses; (3) unethical behavior (e.g., cheating, plagiarism, behaviors breaching the Code of Ethics); or (4) failure to earn a "C" or better in Social Work Practice I and/or II after 2 repeats of the course(s). Course credit is not given for employment/work experience in social welfare.*

Students wishing to change majors and enter the social work program and who have already achieved junior status will have to go through the application process first. There is no guarantee that courses transferred from other degree programs or institutions of higher learning will substitute for required social work courses.

During the two semester of the senior year, students will complete an internship consisting of 440 hours in public, nonprofit, and for-profit social service agencies in the area. Students employed in human service agencies will not be allowed to use their employment as a substitute for their practicum. All students must have earned a grade of C or better in SOWK 363 Social Work Practice I and SOWK 442 Social Work Practice II and have a cumulative G.P.A. of 2.5 or better to be eligible to enroll in SOWK 444 Social Work Field Experience and Seminar I. All students must earn a grade of C or better in all required courses in order to graduate with the B.S.W. Degree.

Social Work Field Experience and Seminar I is offered in Fall, and Social Work Field Experience and Seminar II in the Spring. Applications for Fall placement will be due Feb. 15th. Failure to adhere to deadlines results in students not being placed in the field for that semester. Since there are no "I" grades given, students who do not satisfactorily complete field forfeit hours earned and must reapply for field and seminar. Same agency placement is not an option.

Interdisciplinary Pre-law Program

Law schools as a rule do not have specific academic requirements for admission other than the baccalaureate degree. Students planning to enter law school should be aware of the recommendation of the Association of the American Law Schools which describes the basic skills and insights it believes fundamental to the later attainment of legal competence. These are: (a) comprehensive ability and expression in words; (b) critical understanding of human institutions and values with which the law deals; and (c) creative power in thinking. Although no single course of instruction is prescribed by the American Bar Association, Pre-Law students, in consultation with the Pre-Law advisors, are urged to follow the designed pre-law curriculum. This program will facilitate the student's ability to think clearly, concisely, independently, and persuasively.

Students who plan to attend law school should consult with the pre-law advisor early in their undergraduate careers.

CURRICULUM FOR INTERDISCIPLINARY PRE-LAW PROGRAM

CHEM	101	General Chemistry	3
CJ	310	Constitutional Law	3
CJ	311	Criminal Law	3
SPCH	314	Public Speaking	3
SPCH	316	Argumentation and Debate	3
ENGL	401	Technical Writing	3
BUAD	380	Management Information Systems	3

Total Hours Required for Interdisciplinary Program ..... 21 Sem Hrs

MAJOR: B.S. in Criminal Justice

A. General Education Core ..... 43-44 Sem Hrs

B. Major Core Requirements ..... 45 Sem Hrs

CJ	201	Intro. to Law Enf. and C.J.	3
CJ	204	Penology	3
CJ	205	Law of Criminal Corrections	3
CJ	206	Police Organ. and Admin.	3
CJ	210	Juvenile Justice System	3
CJ	310	American Const. Law	3
CJ	311	Criminal Law	3
CJ	312	Criminal Evidence	3
CJ	314	Criminal Procedure	3
CJ	391	Criminology	3
CJ	489	Problems and Practices in C.J.	3
CJ	491	Juvenile Delinquency	3
CJ	499	Law Enf. Exp. Practicum	6
HIST	250	African-American History	3
		OR	
SOC	305	Soc. of the African-American	3

C. Related Courses ..... 12 Sem Hrs

Select 12 semester hours from the following:

BUAD	380	Management Information Systems	3
ENGL	317	Advanced Composition	3
HIST	255	American History to 1877	3
PAD	200	Public Administration	3
SOC	302	Race and Ethnic Relations	3
SOWK	250	Intro. to Social Welfare	3

D. Minor/Electives ..... 23-24 Sem Hrs

Total Hours Required for Degree ..... 124 Sem Hrs

CURRICULUM GUIDE FOR MAJORS IN CRIMINAL JUSTICE FRESHMAN YEAR

FIRST SEMESTER

COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
GE	115	College Algebra	3
GE	122	Freshman Seminar	1
GE	135	Intro. to Music Literature	2
GE	140	World Civilization I	3
GE		Natural Sci./Lab	4
			16

SECOND SEMESTER

COURSE AND NUMBER			HRS
GE	103	Comp. and Literature II	3
GE	130	Art Appreciation	2
GE	185	Health Concepts	2
GE	141	World Civilization II	3
GE		Natural Sci./Math.	3
GE		Physical Ed. Activity	1
			14

SOPHOMORE YEAR

GE	201	World Literature I	3	GE	202	World Literature II	3
GE		Soc./Behav. Sci.	3	GE		Soc./Behav. Sci.	3
CJ	201	Intro. to Law Enforcement	3	CJ	206	Pol. Organ. and Admin.	3
CJ	204	Penology	3	CJ	210	Juvenile Justice Sys.	3
CJ	205	Law of Crim. Corr.	3	HIST	255	American Hist. to 1877	3
GE		Physical Ed. Activity	1	HIST	250	African-American Hist.	3
			16			OR	
				SOC	305	Sociology of the African-American	3
							18

JUNIOR YEAR

CJ	311	Criminal Law	3	CJ	310	American Const. Law	3
CJ	391	Criminology	3	CJ	314	Criminal Procedure	3
ENGL	317	Advanced Composition	3	SOWK	205	Intro. to Social Work	3
PAD	200	Public Administration	3			Minor/Electives	7
SOC	302	Race and Ethnic Relations	3				16
		Minor/Electives	2				
			17				

SENIOR YEAR

CJ	312	Criminal Evidence	3	CJ	499	Crim. Just. Exp. Practicum	6
CJ	489	Prob. and Prac. in C.J.	3			Minor/Electives	6
CJ	491	Juvenile Delinquency	3				12
		Minor/Electives	6				
			15				

MAJOR: B.A. in Sociology

A. General Education Core ..... 43-44 Sem Hrs

B. Major Requirements ..... 39 Sem Hrs

SOC	201	Intro. to Sociology	3
SOC	202	Social Problems	3
SOC	245	Social Statistics	3
SOC	297	Social Research Methods	3
SOC	302	Race and Ethnic Relations	3
SOC	305	Sociology of the African-American	3
SOC	306	Urban Sociology	3
SOC	360	Social Psychology	3
SOC	385	Social Theory	3
SOC	401	The Family	3
SOC	412	Social Stratification	3
SOC	481	Population	3
SOC	488	Seminar in Sociology	3

C. Related Courses ..... 9 Sem Hrs

CJ	491	Juvenile Delinquency	3
		OR	
ECON	201	Principles of Econ. I	3
HIST	255	American History to 1877	3
HIST	256	American History Since 1877	3

D. Minor/Electives ..... 32-33 Sem Hrs

Total Hours Required for Degree ..... 124 Sem Hrs

CURRICULUM GUIDE FOR MAJORS IN SOCIOLOGY

FRESHMAN YEAR

FIRST SEMESTER COURSE AND NUMBER			HRS	SECOND SEMESTER COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3	GE	103	Comp. and Literature II	3
GE	115	College Algebra	3	GE	141	World Civilization II	3
GE	122	Freshman Seminar	1	GE	185	Health Concepts	2
GE	135	Intro. to Music Literature	2	GE		Natural Sci./Math	3
GE	140	World Civilization I	3	GE		Physical Ed. Activity	1
GE		Natural Sci./Lab	4	PSY	212	Gen. Psychology	3
			16				15

SOPHOMORE YEAR

GE	201	World Literature I	3	GE	130	Art Appreciation	2
ECON	201	Prin. of Econ. I	3	GE	202	World Literature II	3
HIST	255	American Hist. to 1877	3	HIST	256	American Hist. Since 1877	3
		Minor/Elective	3	SOC	202	Social Problems	3
SOC	201	Intro. to Sociology	3	SOC	245	Social Statistics	3
GE		Physical Ed. Activity	1			Minor/Electives	3
			16				17

JUNIOR YEAR

SOC	297	Social Research Methods	3	SOC	306	Urban Sociology	3
SOC	302	Race and Ethnic Rela.	3			Minor/Electives	12
SOC	305	Sociology of the African-American	3				15
SOC	360	Social Psychology	3				
SOC	385	Social Theory	3				
			15				

SENIOR YEAR

CJ	491	Juvenile Delinquency	3	SOC	412	Social Stratification	3
SOC	401	The Family	3	SOC	481	Population	3
		Minor/Electives	9	SOC	488	Seminar in Sociology	3
			15			Minor/Electives	6
							15

MAJOR: B.S.W. in Social Work

A. General Education Core ..... 43 Sem Hrs

B. Major Core Requirements ..... 48 Sem Hrs

SOWK	205	Intro. to Social Work	3
SOWK	210	Fundamentals of Interviewing	3
SOWK	220	Human Diversity	3
SOWK	250	Intro. to Social Welfare	3
SOWK	260	Human Behavior and the Social Environment I: Childhood and Adolescence	3
SOWK	363	Social Work Practice I: Communities and Organizations	3
SOWK	370	Social Welfare Policy	3
SOWK	372	Human Behavior and the Social Environment II: Adulthood	3
SOWK	390	Research Methods in Social Work	3
SOWK	442	Social Work Practice II: Individuals, Families & Groups	3
SOWK	444	Social Work Field Experience and Seminar I	6
SOWK	445	Social Work Field Experience and Seminar II	6
SOC	202	Social Problems	3
SOC	245	Social Statistics	3

C. Restricted Electives ..... 3 Sem Hrs

SOC	305	Sociology of the African-American	3
		OR	
HIST	250	African-American History	3

D. Related Courses ..... 9 Sem Hrs

SPAN	101/102	Elementary Spanish I/II	6

OR

SPAN	201/202	Intermediate Spanish I/II	6
HIST	256	American History Since 1877	3

E. Minor*/Electives ..... 21 Sem Hrs

Total Hours Required for Degree ..... 124 Sem Hrs

* Suggested Minors: Criminal Justice, Corrections, Juvenile Justice, Sociology, Political Science, Business Administration, Teacher Education, Psychology, and Public Administration.

CURRICULUM GUIDE FOR MAJORS IN SOCIAL WORK

FRESHMAN YEAR

FIRST SEMESTER

COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
GE	115	College Algebra	3
GE	122	Freshman Seminar	1
GE	135	Intro to Music Literature	2
GE	140	World Civilization I	3
GE		Natural Sci/Lab**	3
GE		Physical Ed. Activity	1
			16

SECOND SEMESTER

COURSE AND NUMBER			HRS
GE	103	Comp and Literature II	3
GE	141	World Civilization II	3
GE	185	Health Concepts	2
GE	155	Prin. of Biol. Sci/Lab**	4
GE	130	Art Appreciation	2
SOC	201	* Intro. to Sociology	3
			17

* Recommended but not required
** Only one lab is required.

SOPHOMORE YEAR

GE	201	World Literature I	3	GE	202	World Literature II	3
		Minor/Electives	3	SOC	202	Social Problems	3
PSY	201	Gen. Psychology	3	SOC	245	Social Statistics	3
SOWK	205	Intro. to Soc. Work	3	SOWK	250	Intro. to Social Welfare	3
SOWK	210	Fund. of Interviewing	3	SOWK	260	Hum. Behav. /Soc. Environment I	3
SOWK	220	Human Diversity	3	GE		Physical Ed. Activity	1
			18				16

JUNIOR YEAR

SOWK	363	Social Work Practice I	3	HIST	256	American Hist. Since 1877	3
SOWK	372	Human Behavior Soc. Envi. II	3	SOWK	370	Social Welfare Policy	3
SOWK	390	Res. Methods in Social Work	3	SOWK	442	Social Work Practice II	3
SPAN	101	Elementary Spanish I		SPAN	102	Elementary Spanish II	
		OR				OR	
SPAN	201	Intermediate Spanish II	3	SPAN	202	Intermediate Spanish II	3
		Minor/Elective	3			Minor/Elective	3
			15				15

SENIOR YEAR

SOWK	444	Social Work Fld. Exp. and Seminar I	6	SOWK	445	Social Work Fld. Exp. and Seminar II	6
SOC	305	Sociology of the African-American				Minor/Electives	9
		OR					15
HIST	250	African-American Hist.	3				
		Minor/Electives	6				
			15				

CONCENTRATION: Gerontology

Social Work majors may complete the following Gerontology sequence in order to receive credit for a Gerontology concentration:

SOWK	280	Introduction to Gerontology	3
SOWK	400	The Aged and Society	3
SOWK	440	Perspectives on Death & Dying	3
SOWK	450	Life and Living	3
SOWK	469	Independent Research for Special Populations	3

Total Hours Required for Concentration ..... 15 Sem Hrs

MINOR: Corrections

CJ	204	Penology	3
CJ	205	Law of Criminal Corrections	3
CJ	210	Juvenile Justice System	3
CJ	391	Criminology	3
CJ	490	Probation and Parole	3
CJ	499	Law Enforcement Experience Practicum	6

Total Hours Required for Minor ..... 21 Sem Hrs

MINOR: Criminal Justice

CJ	204	Penology	3
CJ	205	Law of Criminal Corrections	3
CJ	311	Criminal Law	3
CJ	312	Criminal Evidence	3
CJ	490	Probation and Parole	3
CJ	499	Law Enforcement Experience Practicum	6

Total Hours Required for Minor ..... 21 Sem Hrs

MINOR: Gerontology

Non-Social Work majors may complete the following sequence in order to receive credit for a Gerontology minor:

SOWK	205	Introduction to Social Work	3
SOWK	210	Fundamentals of Interviewing	3
SOWK	280	Introduction to Gerontology	3
SOWK	372	Human Behavior in the Social Environment II	3
SOWK	400	The Aged and Society	3
SOWK	440	Perspectives on Death and Dying	3
SOWK	450	Life and Living	3
SOWK	469	Independent Research for Special Populations	3

Total Hours Required for Minor ..... 24 Sem Hrs

MINOR: Juvenile Justice

CJ	206	Police Organization and Administration	3
CJ	210	Juvenile Justice System	3
CJ	218	Police-Community Relations	3
CJ	311	Criminal Law	3
CJ	491	Juvenile Delinquency	3
CJ	499	Law Enforcement Experience Practicum	6

Total Hours Required for Minor ..... 21 Sem Hrs

MINOR: Public Administration

PAD	200	Introduction to Public Administration	3
PAD	301	Public Personnel Administration	3
PAD	302	Public Finance and Budgeting	3
PAD	400	Organizational Theory and Behavior	3
PAD	401	Introduction to Public Policy	3
PAD	402	Internship in Public Administration	3

Total Hours Required for Minor ..... 18 Sem Hrs

MINOR: Sociology

SOC	201	Intro. to Sociology	3
SOC	245	Social Statistics	3
SOC	297	Social Research Methods	3
SOC	305	Sociology of the African-American	3
SOC	306	Urban Sociology	3
SOC	385	Social Theory	3
SOC	412	Social Stratification	3

Total Hours Required for Minor ..... 21 Sem Hrs

Minors Across Curricula

For a student to minor in a discipline, he/she is required to complete 21 hours. However, the minors are listed outside of each discipline. The new curricula should make it clear that students can minor in other disciplines other than the one they are majoring in. The new catalogue should reflect the proposed changes. Public Administration has been approved as a minor across the curriculum.

1. Major in Criminal Justice with a minor in Public Administration
2. Major in Criminal Justice with a minor in Political Science
3. Major in Political Science with a minor in Public Administration
4. Major in Political Science with a minor in History
5. Major in Political Science with a minor in Criminal Justice
6. Major in History with a minor in Public Science
7. Major in Social Work with a minor in Public Administration
8. Major in Social Work with a minor in Sociology

CRIMINAL JUSTICE

CJ 201: Introduction to Law Enforcement and Criminal Justice (3) (F;S)
Provides an understanding of problems of the Criminal Justice practitioner and criminal justice systems in the United States. Topics surveyed include the system's history, its constitutional limitations, its philosophical backgrounds, and the process used to achieve its goals. No Prerequisite.

CJ 204: Penology (3) (F;S)
Examination and development of managerial concepts of correctional institutions and study of rehabilitation programs at state and federal levels. No Prerequisite.

CJ 205: Law Of Criminal Corrections (3) (F or S)
Deals with the substantive law of use of force, visitation rights, regulation of mail, confinement, parole, treatment, medical aid, and prison life. Outlines the remedies available to a successful plaintiff or the liabilities to which an unsuccessful plaintiff may be subjected. No Prerequisite.

CJ 206: Police Organization and Administration (3) (S)
Organization and function of law enforcement agencies; analysis of the most effective means of social control; relationship of law enforcement to the total criminal justice process. No Prerequisite.

CJ 208: Drugs, Alcohol and Crime (3) (F)
This course reviews contemporary knowledge on the many drug-crime relationships. The course reviews articles that represent dominant views and also considers alternatives, perspectives and criticism of empirical research and theory. The survey of the literature examines theory, research, intervention strategies, and crime control policies. Both adolescent and adult behaviors, and also the varieties of licit and illicit drugs associated with crime and delinquency, are considered.

CJ 210: Juvenile Justice System (3) (S)
Concerned with procedural and substantive aspects of the juvenile justice system as it relates to intake, hearings, corrections and rehabilitation programs. No Prerequisite.

CJ 216: Foundations of Scholarship (3) (F)
Develops rudimentary tools needed for conducting research and for writing reports and scholarly papers in the field of criminal justice. Explores approaches to writing a research paper, report writing, forms of documentation, library resources, data sources, presentation techniques, legal research, and computer usage.

CJ 218: Police-Community Relations (3) (F)
Basic course treating the broad field of police and community relations as it focuses particular attention on police and community responses. No Prerequisite.

CJ 301: White Collar Crime (3) (F)
Surveys the history and scope of the study of white collar crime. The course discusses issues of definition, examines empirical evidence, and reviews the contributions of white collar crime studies.

CJ 310: American Constitutional Law (3) (S)
Study of basic principles of the American Constitutional System. Emphasizes judicial interpretation and application of these principles in construing powers of the government and the rights of people. Historical background of major federal court decisions also analyzed. Prerequisites: CJ 201, HIST 255 or permission of Department Chairperson.

CJ 311: Criminal Law (3) (F)
This course is designed to present a basic concept of criminal law and create appreciation of the rules under which one lives in our government. Particular emphasis upon the elements of crime against the person, property, and specific offenses. Prerequisite: CJ 201.

CJ 312: Criminal Evidence (3) (S)
Familiarization with the rules of evidence as well as reasons for the rules; instruction in collecting, protecting, and presenting evidence so that its admissibility will be assured. Prerequisites: CJ 201 and CJ 311 or permission of Department Chairperson.

CJ 314: Criminal Procedure (3) (F;S)
An in-depth survey of pre-trial and post-trial procedures. Applications of constitutional principles also considered. Prerequisites: CJ 201 and CJ 311 or permission of Department Chairperson.

CJ 391: Criminology (3) (S)
Nature, origin, and development of crime. Psychological and sociological causes of criminal behavior. Modern institutionalized crime and current programs for treatment and prevention. No Prerequisite.

CJ 400: Criminal Justice Statistics (3) (F)
Provides an introduction to elementary statistical methods as applied to problems in crime and criminal justice. Includes an introduction to problems of data description, data analysis, hypothesis testing and

inference, and an introduction to the use of computers. Prerequisite: CJ 216.

CJ 402: Criminal Justice Policy Planning and Evaluation (3) (S)
Focuses on policy planning, program development, and program evaluation in criminal justice. The fundamentals in each of these three areas – derived from applications in business, human services, social welfare, etc. – are reviewed, and then fit to criminal justice. The course product is a comprehensive policy planning proposal to deal with a carefully defined criminal justice problem or need. The evaluation component of the proposal demands a basic knowledge of research methods/statistics. Prerequisite: CJ 400.

CJ 406: Introduction to Jurisprudence (3) (F)
Study of the various schools and theories of jurisprudence; historical development of legal systems, legal reasoning, and juristic processes. No Prerequisite.

CJ 410: Prosecution and the Courts (3) (S)
Reviews the functions and practices of the prosecutor with special reference to an analysis of the interrelationships among charging, conviction, and sentencing, and in relation to the functions of police and probation staff. Provides an overview of court goals, functions, and potential for system reform.

CJ 412: Research Methods in Criminal Justice (3) (S)
Provides an introduction to research design as applied to problems in crime and criminal justice. Includes an introduction to the scientific method, basic research designs, and data collection techniques. Prerequisite: CJ 400.

CJ 489: Problems and Practices in Criminal Justice (3) (F;S)
Evaluation of Criminal Justice agencies. Coverage of most recent articles and writings on current issues in Criminal Justice. Prerequisite: Senior status or permission of Department Chairperson.

CJ 490: Probation and Parole (3) (F;S)
Development, organization, operation and result of systems of probation and parole as substitutions for incarceration; method of selection; prediction scales. No Prerequisite.

CJ 491: Juvenile Delinquency (3) (F;S)
Conceptions of juvenile delinquency; theories of causation; treatment of juvenile offenders; preventive programs. No Prerequisite.

CJ 496: Comparative Criminal Justice Systems (3) (F)
A general introduction to the world's main legal systems. Comparative study of the administration of justice procedural problems, and selected substantive legal institutions.

CJ 498: Seminar in Criminal Justice (3) (F;S)
Independent reading and research in Criminal Justice. Papers and oral reports as appropriate. Prerequisite: Senior status and approval of Program Coordinator.

CJ 499: Criminal Justice Experience Practicum (6) (F;S;SS)
Practicum designed to combine theoretical knowledge with practical work by allowing students to participate in Criminal Justice agencies in the field. Prerequisites: One hundred hours of course work towards Criminal Justice degree and permission of CJ Coordinator. Application must be filed the semester before the practicum begins.

PUBLIC ADMINISTRATION

PAD 200: Introduction to Public Administration (3) (F)
Introductory course dealing with basic concepts such as organization, responsibility, personnel management, fiscal processes, functions, problems and theories of public administration. No prerequisite.

PAD 301: Public Personnel Administration (3) Prerequisite: PAD 200
A study of human resource management in governmental organizations. The emphasis is on the historical development of public personnel administration, the concept of merit system, affirmative action, classification, testing, training, and organizational development.

PAD 302: Public Finance and Budgeting (3) Prerequisite: PAD 200
An examination of public budgetary theory and process, budgetary reforms, revenue systems, fiscal and monetary policies, cash management, and debt administration.

PAD 400: Organizational Theory and Behavior (3)
An examination of social, psychological, and behavioral aspects of organization, including the concept of administrative leadership.

PAD 401: Introduction to Public Policy (3)
Study of the Politics and Process of Public Policy making in the United States. Case studies of policy

areas include health care, environmental policy, social welfare policy, and agenda-setting are used to illustrate decision making and policy implementation.

PAD 402: Internships in Public Administration (3)
Prerequisites: Senior status and consent of advisor. Students are assigned to public agencies in their area of interest. Students are expected to participate in staff and internship conferences.

SOCIOLOGY

SOC 201: Introduction to Sociology (3) (F;S;SS)
Basic principles of social organization; special reference to communities, organizations, social institutions; social stratification and social change in contemporary societies. No Prerequisite.

SOC 201H: Introduction to Sociology Honors (3) (S)
Sociology is the systematic and scientific study of human social behavior. The course will introduce sociological concepts, theories, methods, and research findings and includes topics such as social stratification, race relations, sex roles, and deviance. The class entails self-directed study and in-class discussion of independent research projects.

SOC 202: Social Problems (3) (F;S;SS)
Study and analysis of major social problems confronting groups and individuals. Among problems studied: personality disorganization, delinquency and criminality, poverty, health, the aged, prejudice, and discrimination. No Prerequisite.

SOC 204: Introduction to Anthropology (3) (F;S)
Primary notions with regard to physical and cultural development of mankind. Genetic principles involved in evolution; cultural principles involved in the origin, nature, and diffusion of culture. Comparison with many contemporary cultures and beginnings of human society. Social stratification. No Prerequisite.

SOC 245: Social Statistics (3) (F;S)
Methods of data presentation and interpretation in social research; central tendency, dispersion, association, regression, and tests of hypothesis. Prerequisite: SOC 201.

SOC 297: Social Research Methods (3) (F)
General orientation and process involved in social research; problem selection, conceptualization, measurement, data collection, compilation, and analysis. Prerequisite: SOC 245.

SOC 302: Race and Ethnic Relations (3) (F)
Study of majority and minority groups. Intergroup relations. Racial, social, and cultural tensions among various groups. Problems of prejudice, discrimination, and segregation. Impact of Civil Rights legislation and movements on intergroup relations in the United States. Prerequisite: SOC 201.

SOC 305: Sociology of the African-American (3) (F)
Critical analysis of events, trends, and developments affecting the total social adjustment of Black people in America. Prerequisite: SOC 302.

SOC 306: Urban Sociology (3) (S)
Study of processes and patterns of urban development, impact of urbanism on social-implication, and personal-social adjustment. Prerequisite: SOC 297.

SOC 360: Social Psychology (3) (F)
Study of individuals and society from a sociopsychological perspective, particularly, the influence of society on individuals, personality development, adult socialization, role behavior, self evaluation, and conformity behavior. Prerequisites: SOC 201, PSY 212.

SOC 385: Social Theory (3) (F)
The origins and development of sociological theories with an emphasis on social thoughts and theories of Comte, Durkheim, Weber, Marx and contemporary sociological theories. Prerequisites: SOC 201, 202.

SOC 401: The Family (3) (F)
Comparative analysis of different types of family organization, changing ideas of family life, and contemporary family problems. Prerequisite: SOC 385.

SOC 412: Social Stratification (3) (S)
Investigation of development and character of status groupings, patterns of interaction within and between social classes, and implications of stratification for human group behavior. Prerequisite: SOC 201.

SOC 481: Population (3) (S)
Composition and characteristics of population; trends in population growth; social and economic consequences and changes in population. Prerequisite: SOC 385.

SOC 488: Seminar in Sociology (3) (S)
Comprehensive survey of fields of sociology with emphasis on independent study and group discussion of recent developments and trends. Independent reading and research on a topic to be selected under the supervision of an instructor. Papers and oral reports as appropriate. Prerequisites: Senior status or approval of Department Chairperson.

SOCIAL WORK

SOWK 205: Introduction to Social Work (3) (F;S)
History, methods, and practice in professional social work in the United States. Orients students to methods, field, and contexts of social work practice. Students acquainted with conceptual framework, essential characteristics, functions, values, and skills of Social Work practices. No Prerequisite.

SOWK 210: Fundamentals of Interviewing (3) (F)
Designed to develop an understanding of the various skills needed in conducting interviews. Special emphasis on communication skills, verbal and nonverbal behavior, and professional observations. Prerequisite: SOWK 205.

SOWK 220: Human Diversity (3) (F;S)
Provides an overview of the variations in human experience that define the concept "human diversity." The social work perspective identifies factors such as race and ethnicity, gender, sexual orientation, age, and functional capacity as aspects of human diversity. Prerequisite: SOWK 205.

SOWK 250: Introduction to Social Welfare (3) (F;S)
A survey of the social welfare system of the United States which examines areas such as child welfare, income maintenance, mental health, and services to the aged. No prerequisites.

SOWK 260: Human Behavior in the Social Environment I: Childhood and Adolescence (3) (S)
Synthesizes biological, psychological, and sociological theories about human development using the person-in-the-environment construct as a unifying framework. Covers infancy through adolescence. Prerequisite: SOWK 205.

SOWK 280: Introduction to Gerontology (3) (F;S)
The first course in the Gerontology sequence/minor. It is designed to demystify myths and provide realities about the aging process. Students are introduced to organizations and community resources that assist the elderly. Insights into the field of gerontology, ageism, aging, and the elderly will be explored. No prerequisites.

SOWK 342: Crisis Intervention (3) (S)
Designed to teach the student to recognize and intervene appropriately in crisis situations. Prerequisite: SOWK 260.

SOWK 343: Social Work With Children (3) (F)
Surveys the historical and present status of children. Examines problems, needs, and services with focus on theories and intervention techniques. Prerequisites: SOWK 205 and 260.

SOWK 363: Social Work Practice I: and Communities Organizations (3) (F;S)
Introduces students to practice in macrosystems, focusing on community organization and development, grassroots organizing, social service systems, social service supervision, and administration and organization building. Prerequisites: SOWK 205, 210 and 250.

SOWK 370: Social Welfare Policy (3) (F)
An in-depth analysis of American social welfare policy, which is a manifestation of competing philosophical and political perspective. Prerequisites: SOWK 205 and SOWK 250.

SOWK 372: Human Behavior in the Social Environment II: Adulthood (3) (F)
Designed to continue the understanding of human behavior using the person-in-the-environment construct as a unifying framework. Students will now be able to take a holistic view of clients they encounter in the social work profession. Covers young adulthood through aging. Prerequisites: SOWK 205, 210, 250 and 260.

SOWK 390: Research Methods in Social Work (3) (F)
This course is designed to introduce basic concepts and methods of social work research. This course will cover scientific inquiry and theory, problem formulation, hypotheses, conceptualization, opperationalization, measurement, sampling, data collection and analysis, ethics, and politics of social work research, dissemination of findings and the A.P.A. format, and implications for social work practice. A basic introduction to quantitative and qualitative methods will also be covered. Prerequisites: SOWK 205 and SOC 245.

SOWK 400: The Aged and Society (3) (F;S)
Study of the aged, how they function in society, and society's effect on them. Prerequisite: SOWK 372.

SOWK 440: Perspectives on Death and Dying (3) (F)
This course is designed to provide a historical and cultural overview of death and dying. Attitudes about death and the dying process will also be explored. Students will be exposed to the stages of dying and

bereavement as presented in Kübler-Ross' theoretical framework. Prerequisite: SOWK 260.

SOWK 442: Social Work Practice II: Individuals, Families and Groups (3) (F;S)

Prepares students for direct practice with client systems through various agencies. Focus is on knowledge, values, and skills. This course must be taken during the semester prior to enrollment in SOWK 444 Social Work Field Experience I. Prerequisites: SOWK 205, 210, 250, 260, 363, and 372.

SOWK 444: Social Work Field Experience and Seminar I (6) (F)

Internship in selected social agency two days per week. Designed to encourage student application and integration of cognitive and affective learning with a formal service system. Also required is the Seminar, which meets once per week when students are not in the field, to integrate classroom and field learning. Students are required to demonstrate beginning knowledge, values, and skills of the generalist social work practitioner. Prerequisites: Completion of all major social work courses and/or permission of the Director of Field Instruction.

SOWK 445: Social Work Field Experience and Seminar II (6) (S)

Internship in selected social agency two days per week and Seminar on an alternate day. The student is expected to build upon field learning experiences from the preceding semester and demonstrate more advanced knowledge, values, and skills as a generalist social work practitioner. Prerequisite: Completion of SOWK 444.

SOWK 450: Life and Living: Coping with Dying (3) (F;S)

This course is a sequel to SOWK 440. It is designed to focus on techniques for coping and helping: coping with dying and helping those who are dealing with dying, coping with bereavement and helping those dealing with life and living. It will focus on some of the legal, conceptual, and moral issues facing individuals readjusting to society. It will prepare students as they become professional counselors. Prerequistes: SOWK 372.

SOWK 469: Independent Research for Special Populations (3) (F or S)

This course is designed to assist students engaged in independent research with emphasis on a special population. Students will be provided with an overview of research methods. Students will share research results in oral and written presentations. Permission to enroll from instructor only. Prerequisites: SOC 245, SOWK 390.

School of Business & Economics

WALTER R. DAVIS SCHOOL OF *Business & Economics*

Freda H. McBride, Dean
Williams Hall, Room 120

The Elizabeth City State University Davis School provides students from all backgrounds with rigorous and relevant business educational experiences. We promote scholarly inquiry and life-long learning. The Davis School is committed to maintaining a challenging environment that promotes both independence and service to others.

We prepare students for success in life, and in their chosen careers in the private and public sectors. The School provides a full spectrum of post secondary business education with high academic and professional standards. Our students are prepared for careers in a technologically oriented and competitive global environment.

MISSION STATEMENT

The Davis School focuses on the business education needs of the citizenry of Northeast North Carolina. It prepares them for successful careers in business, industry, or government. As an integral part of its current baccalaureate degree programs in Accounting and Business Administration, the School fosters a challenging and supportive environment that stimulates hard work, intellectual excellence, effective communication, and a sense of responsibility to the local community and the world.

The School places special emphasis on developing curricula that provide students with competitive advantages in technology and information systems, communications skills, and preparation for graduate study.

The School of Business & Economics takes pride in offering a congenial environment for persons of all backgrounds to learn about the people and cultures of the world, and how business takes place in this environment.

CURRICULUM

The Walter R. Davis School of Business & Economics offers the following degrees:

1. Bachelor of Science in Accounting
2. Bachelor of Science in Business Administration.
   (requires concentration in one of the following: Management, Marketing, Economics, Management Information Systems, Banking and Finance, or Hospitality Management).

The School also offers Minors in Accounting and Business Administration to students who are pursuing majors in other departments.

In addition to residential offerings at the Elizabeth City campus, the School offers distance-learning courses utilizing the World Wide Web and courses taught off-campus.

ENTREPRENEURIAL INTERNSHIP PROGRAM

A PROJECT OF THE CENTER FOR ENTREPRENEURSHIP

The primary purpose of the Center for Entrepreneurship is to enhance the educational experience of students at Elizabeth City State University. The Center's activities are housed in the Walter R. Davis School of Business and Economics, but its programs are intended to serve all students, regardless of major. The Center carries out its mission prima-

rily via the Entrepreneurial Internship Program and the Visiting Entrepreneur Lecture Series.

THE DAVIS SCHOLARS PROGRAM

AN INTEGRATED FINANCIAL SUPPORT PACKAGE FOR ENTERING STUDENTS WHO DEMONSTRATE UNUSUAL PROMISE

Individuals selected as Davis Scholars have demonstrated exemplary academic ability and leadership potential prior to enrolling at Elizabeth City State University. The program builds upon the Davis School's emphasis on diversity. In this instance, the intent is to bring to campus men and women who have an exemplary record of accomplishments, and who appear willing to share their abilities with others.

Davis Scholar awards are merit based. Secondary school grade point average, grades at other colleges and universities, courses taken, SAT scores, and involvement, particularly leadership involvement, in service-oriented organizations are considered. Each applicant's essay is also examined for evidence of unusual accomplishments.

DEPARTMENT OF *Accounting, Finance & Economics*

The Department of Accounting, Finance, and Economics offers students the opportunity to pursue degrees in Accounting and Business Administration (concentrations in Economics and Banking & Finance).

The use of technology as a teaching and learning tool is highly emphasized and is incorporated in most courses. Critical thinking and ethical values are also emphasized. Students are encouraged to participate in Student Organizations to help build teamwork and leadership skills. They are also encouraged to engage in an internship or co-op to gain work experience and an understanding of how the business world operates.

The primary objectives of the department are:

1. To prepare students for entry-level career opportunities in both the public and private sectors.
2. To provide basic preparation for CPA and CMA licensure.
3. To prepare students for graduate study.
4. To produce graduates with the knowledge, skills, behaviors, and confidence to succeed in the career of their choice and in life.

The B.S. Degree in Accounting provides basic preparation for careers in public accounting, corporate finance and accounting, and government and not-for-profit accounting. The Accounting degree is an excellent degree for many career goals because of the analytical skills that it develops. It is also excellent preparation for continued study for graduate degrees such as the Master of Business Administration (MBA), Master of Accountancy (MA), and Law (JD).

The B.S. in Business Administration with concentrations in Bank & Finance and Economics provides basic preparation for careers in Banking, Government, Corporate Finance, and Investment Banking. Inclusive in the program objectives is the preparation for graduate study in Business Administration, Economics, Finance and related academic areas.

The Department also offers a minor in Accounting to students pursuing the B.S. in Business Administration and to students pursuing degrees in other schools at the University.

MAJOR: B.S. Degree in Accounting

A.	**General Education Requirements**		**43**	**Sem Hrs**
B.	**Major Course Requirements**		**49**	**Sem Hrs**
	BUAD	115	Introduction to Business	3
	ACCT	211	Principles of Accounting I	3
	ACCT	212	Principles of Accounting II	3
	ACCT	320	Managerial Accounting	3
	ACCT	321	Intermediate Accounting I	3
	ACCT	322	Intermediate Accounting II	3
	ACCT	335	Federal Income Taxation	3
	ACCT	422	Advanced Cost Accounting	3
	ACCT	425	Auditing	3
	ACCT	431	Advanced Accounting	3
	ACCT	440	Accounting Information Systems	3
	ACCT	450	Financial Statement Analysis	3
	MNGT	221	Principles of Management	3
	BFIN	320	Financial Management	3
	BMIS	380	Management Information Systems	3
	BUAD	301	Career Development Seminar	1
	BUAD	455	Business Policy	3
C.	**Related Course Requirements**		**21**	**Sem Hrs**
	BUAD	200	Business Communication	3
	BUAD	365	Business Research and Report Writing	3
	BUAD	456	International Business	3
	BUAD	241	Business Law I	3
	BUAD	360	Quantitative Methods for Bus. & Eco.	3
	MRKT	231	Principles of Marketing	3
	ECON	260	Business/Economics Statistics	3
D.	**Electives**		**11**	**Sem Hrs**
Total Hours Required for Degree			**124**	**Sem Hrs**

B. S. DEGREE IN ACCOUNTING SUGGESTED CURRICULUM GUIDE

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	102	Comp & Lit I	3
GE	115	College Algebra	3
GE	122	Freshman Seminar	1
GE	135	Intro to Music Lit	2
GE	140	World Civilization I	3
GE		Natural Science w/Lab	4
		Total	16

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE	103	Comp & Lit II	3
GE	118	Pre-Calculus*	3
GE	130	Art Appreciation	2
GE		Physical Ed	1
GE	141	World Civilization II	3
BUAD	115	Introduction to Business	3
		Total	15

SOPHOMORE YEAR

GE	201	World Lit I	3	GE	202	World Lit II	3
GE		Physical Ed	1	GE	185	Health Concepts	2
ACCT	211	Principles of Acctg. I	3	ACCT	212	Principles of Acctg. II	3
BUAD	200	Business Communication	3	ECON	202	Principles of Econ II	3
ECON	201	Principles of Econ I	3	ECON	260	Business/Econ. Statistics	3
MATH	153	Cal/NonSci Majors*	3	MNGT	221	Principles of Management	3
		Total	16			Total	17

JUNIOR YEAR

ACCT	321	Intermediate Acctg I	3	ACCT	335	Federal Taxation	3
MRKT	231	Prin of Marketing	3	ACCT	322	Intermediate Acctg II	3
BUAD	241	Business Law I	3	BUAD	360	Quantitative Methods	3
ACCT	320	Managerial Accounting	3	BMIS	380	Management Info. System	3
BUAD	365	Business Research	3			Electives	3
BUAD	301	Career Development	1			Total	15
		Total	16				

SENIOR YEAR

ACCT	422	Advanced Cost Acctg	3	ACCT	425	Auditing	3
ACCT	440	Accounting Info Systems	3	ACCT	431	Advanced Accounting	3
ACCT	450	Financial Stmt. Analysis	3	BUAD	455	Business Policy**	3
BFIN	320	Financial Management	3	BUAD	456	International Business	3
		Electives	3			Electives	3
		Total	15			Total	15

* The SBE recommends that accounting majors take Pre-Calculus and Calculus for Non-Science Majors to prepare them to enter graduate school. However students may instead take another natural science course to complete the GE requirements. Pre-Calculus covers analytical geometry and trigonometry, so students who completed a senior level math course in high school may skip Pre-Calculus to take Calculus for Non-Science Majors directly after College Algebra, and then take an elective instead of Pre-Calculus.

** Business Policy is restricted to seniors.

MAJOR: B.S. Degree in Business Administration — Concentration in Economics

A. General Education Requirements ..... 43 Sem Hrs

B. Major Course Requirements ..... 49 Sem Hrs

1. Core Courses 37

BUAD	115	Introduction to Business	3
ACCT	211	Principles of Accounting I	3
ACCT	212	Principles of Accounting II	3
MNGT	221	Principles of Management	3
MRKT	231	Principles of Marketing	3
BUAD	241	Business Law I	3
BFIN	311	Prin. Of Finance	3
BUAD	360	Quantitative Methods for Bus. & Eco.	3
BUAD	365	Business Research and Report Writing	3
BMIS	380	Management Information Systems	3
BUAD	456	International Business	3
BUAD	301	Career Development Seminar	1
BUAD	455	Business Policy	3

2. Concentration Requirements 12

ECON	318	Money, Credit and Banking	3

	ECON 410	Labor Problems	3
	Or		
	ECON 455	International Economics	3
	ECON 470	Microeconomics Analysis	3
	ECON 480	Macroeconomics Analysis	3

C. Related Course Requirements ..... 15 Sem Hrs

BUAD 200	Business Communication	3
ECON 260	Business/Economics Statistics	3
ACCT 320	Managerial Accounting	3
ACCT 335	Federal Taxation	3
ECON 376	Public Finance	3

D. Electives ..... 17 Sem Hrs

Business Electives 6

Free Electives 11

Total Hours Required for Degree ..... 124 Sem Hrs

B. S. DEGREE IN BUSINESS ADMINISTRATION SUGGESTED CURRICULUM GUIDE FOR CONCENTRATION IN ECONOMICS

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	102	Comp & Literature I	3
GE	115	College Algebra	3
GE	122	Freshman Seminar	1
GE	140	World Civilization I	3
BUAD	115	Introduction to Business	3
GE	130	Art Appreciation	2
		Total	15

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE	103	Comp & Literature II	3
GE	118	Pre-Calculus*	3
GE		Physical Ed. Activity	1
GE	141	World Civilization II	3
GE	185	Health Concepts	2
GE		Natural Science & Lab	4
		Total	16

SOPHOMORE YEAR

GE	135	Intro. To Music Lit.	2
GE	201	World Literature I	3
GE		Physical Ed. Activity	1
ACCT	211	Principles of Acct. I	3
BUAD	200	Business Communication	3
ECON	201	Prin of Economics I	3
MATH	153	Cal/NonSci Majors*	3
		Total	18

GE	202	World Literature II	3
ACCT	212	Principles of Accounting II	3
MRKT	231	Principles of Marketing	3
ECON	202	Prin. of Economics II	3
MNGT	221	Principles of Management	3
		Total	15

JUNIOR YEAR

ACCT	320	Managerial Accounting	3
BUAD	241	Business Law I	3
BFIN	311	Principles of Finance	3
ECON	376	Public Finance	3
ECON	260	Business Statistics	3
		Total	15

BUAD	360	Quantitative Methods	3
BMIS	380	Mgmt Information Systems	3
ECON	318	Money, Credit and Banking	3
ECON	410	Industrial Relations	3
	Or		
ECON	455	International Economics	3
BUAD	301	Career Development	1
		Electives	3
		Total	16

SENIOR YEAR

ACCT	335	Federal Taxation	3
BUAD	365	Business Research	3
ECON	470	Microecon. Analysis	3
		Electives	6
		Total	15

BUAD	455	Business Policy**	3
BUAD	456	International Business	3
ECON	480	Macroeconomic Analysis	3
		Electives	6
		Total	15

* The SBE recommends that Business Administration majors take Pre-Calculus and Calculus for Non-Science Majors to prepare them to enter graduate school. However students may instead take another natural science course to complete the GE requirements. Pre-Calculus covers analytical geometry and trigonometry, so students who completed a senior level math course in high school may skip Pre-Calculus to take Calculus for Non-Science Majors directly after College Algebra, and then take an elective instead of Pre-Calculus.

*** Business Policy is restricted to seniors.

MAJOR: B.S. Degree in Business Administration — Concentration in Banking & Finance

A.	**General Education Requirements**	**43**	**Sem Hrs**
B.	**Major Course Requirements**	**49**	**Sem Hrs**
	1. Core Courses	37	
	BUAD 115 Introduction to Business	3	
	ACCT 211 Principles of Accounting I	3	
	ACCT 212 Principles of Accounting II	3	
	MNGT 221 Principles of Management	3	
	MRKT 231 Principles of Marketing	3	
	BUAD 241 Business Law I	3	
	BFIN 311 Prin. Of Finance	3	
	BUAD 360 Quantitative Methods for Bus. & Eco.	3	
	BUAD 365 Business Research and Report Writing	3	
	BMIS 380 Management Information Systems	3	
	BUAD 456 International Business	3	
	BUAD 301 Career Development Seminar	1	
	BUAD 455 Business Policy	3	
	2. Concentration Requirements	12	
	BFIN 426 Commercial Bank Management	3	
	BFIN 320 Financial Management	3	
	BFIN 350 Investments	3	
	ECON 318 Money, Credit and Banking	3	
C.	**Related Course Requirements**	**15**	**Sem Hrs**
	BUAD 200 Business Communication	3	
	ECON 260 Business/Economics Statistics	3	
	ACCT 320 Managerial Accounting	3	
	ACCT 335 Federal Taxation	3	
	ECON 376 Public Finance	3	
D.	**Electives**	**17**	**Sem Hrs**
	Business Electives	**6**	
	Free Electives	**11**	
Total Hours Required for Degree		**124**	**Sem Hrs**

B. S. DEGREE IN BUSINESS ADMINISTRATION
SUGGESTED CURRICULUM GUIDE FOR
CONCENTRATION IN BANKING AND FINANCE

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	102	Comp & Literature I	3
GE	115	College Algebra	3
GE	122	Freshman Seminar	1
GE	140	World Civilization I	3
BUAD	115	Introduction to Business	3
GE	130	Art Appreciation	2
		Total	15

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE	103	Comp & Literature II	3
GE	118	Pre-Calculus*	3
GE		Physical Ed. Activity	1
GE	141	World Civilization II	3
GE	185	Health Concepts	2
GE		Natural Science & Lab	4
		Total	16

SOPHOMORE YEAR

GE	135	Intro. To Music Lit.	2
GE	201	World Literature I	3
GE		Physical Ed. Activity	1
ACCT	211	Principles of Acct. I	3
BUAD	200	Business Communication	3
ECON	201	Prin of Economics I	3
MATH	153	Cal/NonSci Majors*	3
		Total	18

GE	202	World Literature II	3
ACCT	212	Principles of Accounting II	3
MRKT	231	Principles of Marketing	3
ECON	202	Prin. of Economics II	3
MNGT	221	Principles of Management	3
		Total	15

JUNIOR YEAR

ACCT	320	Managerial Accounting	3
BUAD	241	Business Law I	3
BFIN	311	Principles of Finance	3
ECON	376	Public Finance	3
ECON	260	Business Statistics	3
		Total	15

BUAD	360	Quantitative Methods	3
BMIS	380	Mgmt Information Systems	3
ECON	318	Money, Credit and Banking	3
BUAD	301	Career Development	1
		Electives	6
		Total	16

SENIOR YEAR

ACCT	335	Federal Taxation	3
BUAD	365	Business Research	3
BFIN	320	Financial Management	3
BFIN	350	Investments	3
		Electives	3
		Total	15

BUAD	455	Business Policy**	3
BUAD	456	International Business	3
BFIN	425	Commercial Bank Mgmt	3
		Electives	6
		Total	15

* The SBE recommends that Business Administration majors take Pre-Calculus and Calculus for Non-Science Majors to prepare them to enter graduate school. However students may instead take another natural science course to complete the GE requirements. Pre-Calculus covers analytical geometry and trigonometry, so students who completed a senior level math course in high school may skip Pre-Calculus to take Calculus for Non-Science Majors directly after College Algebra, and then take an elective instead of Pre-Calculus.

** Business Policy is restricted to seniors.

DEPARTMENT OF

Management & Marketing

The Department of Management & Marketing offers students the Bachelor of Science in Business Administration degree (BSBA). In addition to the general education courses and the business core and related courses requirements, all BSBA degree candidates must select an area of concentration. The areas of concentration offered by the department include Management, Marketing, Management Information System, and Hospitality Management. The department also offers Minors in Business Administration to students who are pursuing majors in other schools.

The BSBA degree provides basic professional preparation for careers in business, government, and non-profit organizations. Specifically, the goal of the BSBA degree is to prepare students to be administrators. Students will develop the ability to evaluate changing competitive, economic, legal, political, social/cultural, and technology environments that affect business decisions. In addition, students will familiarize themselves with the dynamics of the internal organization and operations of business firms; develop skills in identifying problems, issues, strengths, weaknesses, opportunities and threats confronting business firms; acquire tools, methods, and techniques in analyzing and solving business problems; and the ability to develop and implement strategies.

The major objectives of the department are:

1. To prepare students for entry-level career opportunities in both the private and public sectors in their area of specialization.
2. To prepare students for graduate study in business or other disciplines.
3. To maintain curriculum that is current to reflect changes in the dynamic domestic and global environments.
4. To improve the technological preparedness of students.
5. To strengthen learning and preparedness through internships.

DEGREE PROGRAM CONCENTRATION IN MANAGEMENT

The field of Management prepares graduates for supervisory positions. This is the most popular concentration at ECSU. Corporations, governments, and non-profit organizations actively recruit college graduates with good management skills. The management concentration helps students develop skills that are in high demand in the job market. Students learn to manage human resources, effectively utilize assets, apply business models, and work in teams. Management courses stress communication skills, expertise with computer applications, and leadership abilities. Regardless of the types of products or services produced by an entity, the path for advancement is through management. The management concentration provides an excellent foundation for a rewarding career. The degree also prepares graduates to continue their education in a Masters program.

CONCENTRATION IN MARKETING

Marketing is the study of the social and managerial process by which individuals and groups obtain what they need and want through creating and exchanging products and value with others. Marketing is part of all of our lives and touches us in some way every day. Successful companies are not only customer-driven, but are customer-obsessed. Successes come about by developing sound marketing strategies and functions within the organization. Thus, marketing is a key factor in business success. The marketing concentration prepares students for many exciting, and lucrative positions. Marketing skills are in high demand by a variety of industries. Some graduates continue their education in a masters degree program to prepare for positions in marketing research, advertising, or public relations. Marketing employment can be found in a number of organizations, including manufacturing firms, non-profit organizations, distribution firms such as retailers

and wholesalers, service suppliers, and research and advertising agencies.

CONCENTRATION IN MANAGEMENT INFORMATION SYSTEM

The MIS concentration focuses on designing computer systems to help people and organizations function more effectively through strategic planning, management and operational controls to improve product and service delivery. Those who can meet the challenge of managing new information technologies earn very lucrative salaries. MIS professionals not only apply their broad knowledge of information technologies and business issues, but their knowledge and vision of where technology can take the organization provide added value in the current business environment.

CONCENTRATION IN HOSPITALITY MANAGEMENT

The Hospitality management concentration prepares students for careers in managing hotels, restaurants, and other public accommodations. The economy of Northeastern North Carolina relies heavily on the tourism industry. Hospitality management courses cover subjects ranging from food services to institutional housekeeping. Students also learn to prepare reports, make presentations, and effectively work in teams.

The tourism industry offers many local employment opportunities. Graduates of this concentration also find excellent employment opportunities literally around the world in the fields of travel, transportation, and hospitality.

MAJOR: B.S. Degree in Business Administration — Concentration in Management

A.	**General Education Requirements**		**43**	**Sem Hrs**
B.	**Major Course Requirements**		**49**	**Sem Hrs**
	1. Core Courses		37	
	BUAD 115	Introduction to Business	3	
	ACCT 211	Principles of Accounting I	3	
	ACCT 212	Principles of Accounting II	3	
	MNGT 221	Principles of Management	3	
	MRKT 231	Principles of Marketing	3	
	BUAD 241	Business Law I	3	
	BFIN 311	Prin. Of Finance	3	
	BUAD 360	Quantitative Methods for Bus. & Eco.	3	
	BUAD 365	Business Research and Report Writing	3	
	BMIS 380	Management Information Systems	3	
	BUAD 456	International Business	3	
	BUAD 301	Career Development Seminar	1	
	BUAD 455	Business Policy	3	
	2. Concentration Requirements		12	
	MNGT 321	Human Resource Management	3	
	MNGT 322	Organizational Behavior	3	
	MNGT 421	Prod./Operations Management	3	
	MNGT 422	Entrepreneurship	3	
C.	**Related Course Requirements**		**15**	**Sem Hrs**
	BUAD 200	Business Communication	3	
	ECON 260	Business/Economics Statistics	3	
	ACCT 320	Managerial Accounting	3	
	ACCT 335	Federal Taxation	3	
	ECON 376	Public Finance	3	
D.	**Electives**		**17**	**Sem Hrs**
	Business Electives		**6**	
	Free Electives		**11**	
Total Hours Required for Degree			**124**	**Sem Hrs**

B. S. DEGREE IN BUSINESS ADMINISTRATION SUGGESTED CURRICULUM GUIDE FOR CONCENTRATION IN MANAGEMENT

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	102	Comp & Lit I	3
GE	115	College Algebra	3
GE	122	Freshman Seminar	1
GE	140	World Civilization I	3
BUAD	115	Introduction to Business	3
GE	130	Art Appreciation	2
		Total	15

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE	103	Comp & Lit II	3
GE	118	Pre-Calculus*	3
GE		Physical Ed. Activity	1
GE	141	World Civilization II	3
GE	185	Health Concepts	2
GE		Natural Science & Lab	4
		Total	16

SOPHOMORE YEAR

GE	135	Intro. To Music Lit.	2
GE	201	World Literature I	3
GE		Physical Ed. Activity	1
ACCT	211	Principles of Acctg. I	3
BUAD	200	Business Communication	3
ECON	201	Prin of Economics I	3
MATH	153	Cal/NonSci Majors*	3
		Total	18

GE	202	World Literature II	3
ACCT	212	Principles of Accounting II	3
MRKT	231	Principles of Marketing	3
ECON	202	Prin. of Economics II	3
MNGT	221	Principles of Management	3
		Total	15

JUNIOR YEAR

ACCT	320	Managerial Accounting	3
BUAD	241	Business Law I	3
BFIN	311	Principles of Finance	3
MNGT	321	Human Resource Mgmt	3
BUAD	301	Career Development	1
ECON	260	Business Statistics	3
		Total	16

MNGT	322	Organizational Behavior	3
BUAD	360	Quantitative Methods	3
BUAD	365	Business Research	3
BMIS	380	Mgmt. Information Systems	3
		Electives	3
		Total	15

SENIOR YEAR

ACCT	335	Federal Taxation	3
MNGT	421	Production/Op. Mgmt	3
ECON	376	Public Finance	3
		Electives	6
		Total	15

MNGT	422	Entrepreneurship	3
BUAD	455	Business Policy**	3
BUAD	456	International Business	3
		Electives	6
		Total	15

* The SBE recommends that Business Administration majors take Pre-Calculus and Calculus for Non-Science Majors to prepare them to enter graduate school. However students may instead take another natural science course to complete the GE requirements. Pre-Calculus covers analytical geometry and trigonometry. so students who completed a senior level math course in high school may skip Pre-Calculus to take Calculus for Non-Science Majors directly after College Algebra, and then take an elective instead of Pre-Calculus.

** Business Policy is restricted to seniors.

MAJOR: B.S. Degree in Business Administration — Concentration in Marketing

A. General Education Requirements ..... 43 Sem Hrs

B. Major Course Requirements ..... 49 Sem Hrs

1. Core Courses 37

BUAD	115	Introduction to Business	3
ACCT	211	Principles of Accounting I	3
ACCT	212	Principles of Accounting II	3

	MNGT	221	Principles of Management	3
	MRKT	231	Principles of Marketing	3
	BUAD	241	Business Law I	3
	BFIN	311	Prin. Of Finance	3
	BUAD	360	Quantitative Methods for Bus. & Eco.	3
	BUAD	365	Business Research and Report Writing	3
	BMIS	380	Management Information Systems	3
	BUAD	456	International Business	3
	BUAD	301	Career Development Seminar	1
	BUAD	455	Business Policy	3
2.	Concentration Requirements			12
	MRKT	331	Promotion	3
	MRKT	332	Consumer Behavior	3
	MRKT	431	Retailing	3
	MRKT	432	Marketing Management	3

C. Related Course Requirements ..... 15 Sem Hrs

BUAD	200	Business Communication	3
ECON	260	Business/Economics Statistics	3
ACCT	320	Managerial Accounting	3
ACCT	335	Federal Taxation	3
ECON	376	Public Finance	3

D. Electives ..... 17 Sem Hrs

Business Electives 6

Free Electives 11

Total Hours Required for Degree ..... 124 Sem Hrs

B.S. DEGREE IN BUSINESS ADMINISTRATION SUGGESTED CURRICULUM GUIDE FOR CONCENTRATION IN MARKETING

FRESHMAN YEAR

FIRST SEMESTER

COURSE AND NUMBER			HRS
GE	102	Comp & Literature I	3
GE	115	College Algebra	3
GE	122	Freshman Seminar	1
GE	140	World Civilization I	3
BUAD	115	Introduction to Business	3
GE	130	Art Appreciation	2
		Total	15

SECOND SEMESTER

COURSE AND NUMBER			HRS
GE	103	Comp & Literature II	3
GE	118	Pre-Calculus*	3
GE		Physical Ed. Activity	1
GE	141	World Civilization II	3
GE	185	Health Concepts	2
GE		Natural Science & Lab	4
		Total	16

SOPHOMORE YEAR

GE	135	Intro. To Music Lit.	2
GE	201	World Literature I	3
GE		Physical Ed. Activity	1
ACCT	211	Principles of Acctg. I	3
BUAD	200	Business Communication	3
ECON	201	Prin of Economics I	3
MATH	153	Cal/NonSci Majors*	3
		Total	18

GE	202	World Literature II	3
ACCT	212	Principles of Accounting II	3
MRKT	231	Principles of Marketing	3
ECON	202	Prin. of Economics II	3
MNGT	221	Principles of Management	3
		Total	15

JUNIOR YEAR

ACCT	320	Managerial Accounting	3
BUAD	241	Business Law I	3
BFIN	311	Principles of Finance	3
MRKT	332	Consumer Behavior	3
BUAD	301	Career Development	1
ECON	260	Business Statistics	3
		Total	16

MRKT	331	Promotion	3
BUAD	360	Quantitative Methods	3
BUAD	365	Business Research	3
BMIS	380	Mgmt. Information Systems	3
		Electives	3
		Total	15

SENIOR YEAR

ACCT	335	Federal Taxation	3
MRKT	431	Retailing	3
ECON	376	Public Finance	3
		Electives	6
		Total	15

MRKT	432	Marketing Management	3
BUAD	455	Business Policy**	3
BUAD	456	International Business	3
		Electives	6
		Total	15

* The SBE recommends that Business Administration majors take Pre-Calculus and Calculus for Non-Science Majors to prepare them to enter graduate school. However students may instead take another natural science course to complete the GE requirements. Pre-Calculus covers analytical geometry and trigonometry. so students who completed a senior level math course in high school may skip Pre-Calculus to take Calculus for Non-Science Majors directly after College Algebra, and then take an elective instead of Pre-Calculus.

** Business Policy is restricted to seniors.

MAJOR: B.S. Degree in Business Administration Concentration in Management Information Systems

A. General Education Requirements ..... 43 Sem Hrs

B. Major Course Requirements ..... 49 Sem Hrs

1. Core Courses 37

BUAD	115	Introduction to Business	3
ACCT	211	Principles of Accounting I	3
ACCT	212	Principles of Accounting II	3
MNGT	221	Principles of Management	3
MRKT	231	Principles of Marketing	3
BUAD	241	Business Law I	3
BFIN	311	Prin. Of Finance	3
BUAD	360	Quantitative Methods for Bus. & Eco.	3
BUAD	365	Business Research and Report Writing	3
BMIS	380	Management Information Systems	3
BUAD	456	International Business	3
BUAD	301	Career Development Seminar	1
BUAD	455	Business Policy	3

2. Concentration Requirements 12

ACCT	440	Accounting Information Systems	3
BMIS	436	Management Information System Design	3
BMIS	470	Info. System for Planning and Control	3
BMIS	475	Database Management System	3
		Or	
BMIS	485	Decision Support Systems	3

C. Related Course Requirements ..... 15 Sem Hrs

BUAD	200	Business Communication	3
ECON	260	Business/Economics Statistics	3
ACCT	320	Managerial Accounting	3

	ACCT 335	Federal Taxation	3	
	ECON 376	Public Finance	3	
D.	**Electives**		**17**	**Sem Hrs**
	Business Electives		**6**	
	Free Electives		**11**	
Total Hours Required for Degree			**124**	**Sem Hrs**

B.S. DEGREE IN BUSINESS ADMINISTRATION SUGGESTED CURRICULUM GUIDE FOR CONCENTRATION IN MANAGEMENT INFORMATION SYSTEM

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	102	Comp & Literature I	3
GE	115	College Algebra	3
GE	122	Freshman Seminar	1
GE	140	World Civilization I	3
BUAD	115	Introduction to Business	3
GE	130	Art Appreciation	2
		Total	15

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE	103	Comp & Literature II	3
GE	118	Pre-Calculus*	3
GE		Physical Ed. Activity	1
GE	141	World Civilization II	3
GE	185	Health Concepts	2
GE		Natural Science & Lab	4
		Total	16

SOPHOMORE YEAR

GE	135	Intro. To Music Literature	2
GE	201	World Literature I	3
GE		Physical Ed. Activity	1
ACCT	211	Principles of Acctg. I	3
BUAD	200	Business Communication	3
ECON	201	Prin of Economics I	3
MATH	153	Cal/NonSci Majors*	3
		Total	18

GE	202	World Literature II	3
ACCT	212	Principles of Accounting II	3
MRKT	231	Principles of Marketing	3
ECON	202	Prin. of Economics II	3
MNGT	221	Principles of Management	3
		Total	15

JUNIOR YEAR

ACCT	320	Managerial Accounting	3
BUAD	241	Business Law I	3
BFIN	311	Principles of Finance	3
BMIS	380	Mgmt Information Systems	3
BUAD	301	Career Development	1
ECON	260	Business Statistics	3
		Total	16

BMIS	436	Mgmt. Info. System Design	3
BUAD	360	Quantitative Methods	3
BUAD	365	Business Research	3
		Electives	6
		Total	15

SENIOR YEAR

ACCT	335	Federal Taxation	3
ACCT	440	Accounting Info. System	3
ECON	376	Public Finance	3
BMIS	470	Information Sys. Planning	3
		Electives	3
		Total	15

BUAD	455	Business Policy**	3
BUAD	456	International Business	3
BMIS	475	Database Mgmt System	3
		Or	
BMIS	485	Decision Support System	3
		Electives	6
		Total	15

* The SBE recommends that Business Administration majors take Pre-Calculus and Calculus for Non-Science Majors to prepare them to enter graduate school. However students may instead take another natural science course to complete the GE requirements. Pre-Calculus covers analytical geometry and trigonometry, so students who completed a senior level math course in high school may skip Pre-Calculus to take Calculus for Non-Science Majors directly after College Algebra, and then take an elective instead of Pre-Calculus.

** Business Policy is restricted to seniors.

MAJOR: B.S. Degree in Business Administration Concentration in Hospitality Management

A.	**General Education Requirements**	**43**	**Sem Hrs**
B.	**Major Course Requirements**	**49**	**Sem Hrs**
	1. Core Courses	37	
	BUAD 115 Introduction to Business	3	
	ACCT 211 Principles of Accounting I	3	
	ACCT 212 Principles of Accounting II	3	
	MNGT 221 Principles of Management	3	
	MRKT 231 Principles of Marketing	3	
	BUAD 241 Business Law I	3	
	BFIN 311 Prin. Of Finance	3	
	BUAD 360 Quantitative Methods for Bus. & Eco.	3	
	BUAD 365 Business Research and Report Writing	3	
	BMIS 380 Management Information Systems	3	
	BUAD 456 International Business	3	
	BUAD 301 Career Development Seminar	1	
	BUAD 455 Business Policy	3	
	2. Concentration Requirements	12	
	BAHM 214 Introduction to Hospitality Mngt.	3	
	BAHM 310 Housekeeping Management	3	
	BAHM 311 Travel and Tourism	3	
	BAHM 410 Restaurant Management	3	
C.	**Related Course Requirements**	**15**	**Sem Hrs**
	BUAD 200 Business Communication	3	
	ECON 260 Business/Economics Statistics	3	
	ACCT 320 Managerial Accounting	3	
	ACCT 335 Federal Taxation	3	
	ECON 376 Public Finance	3	
D.	**Electives**	**17**	**Sem Hrs**
	Business Electives	**6**	
	Free Electives	**11**	
Total Hours Required for Degree		**124**	**Sem Hrs**

B.S. DEGREE IN BUSINESS ADMINISTRATION SUGGESTED CURRICULUM GUIDE FOR CONCENTRATION IN HOSPITALITY MANAGEMENT

FRESHMAN YEAR

FIRST SEMESTER

COURSE AND NUMBER			HRS
GE	102	Comp & Literature I	3
GE	115	College Algebra	3
GE	122	Freshman Seminar	1
GE	140	World Civilization I	3
BUAD	115	Introduction to Business	3
GE	130	Art Appreciation	2
		Total	15

SECOND SEMESTER

COURSE AND NUMBER			HRS
GE	103	Comp & Literature II	3
GE	118	Pre-Calculus*	3
GE		Physical Ed. Activity	1
GE	141	World Civilization II	3
GE	185	Health Concepts	2
GE		Natural Science & Lab	4
		Total	16

SOPHOMORE YEAR

GE	135	Intro. To Music Lit.	2
GE	201	World Literature I	3
GE		Physical Ed. Activity	1
ACCT	211	Principles of Acctg. I	3
BUAD	200	Business Communication	3
ECON	201	Prin of Economics I	3
MATH	153	Cal/NonSci Majors*	3
		Total	18

GE	202	World Literature II	3
ACCT	212	Principles of Accounting II	3
MRKT	231	Principles of Marketing	3
ECON	202	Prin. of Economics II	3
MNGT	221	Principles of Management	3
		Total	15

JUNIOR YEAR

ACCT	320	Managerial Accounting	3
BUAD	241	Business Law I	3
BFIN	311	Principles of Finance	3
ECON	260	Business Statistics	3
		Electives	6
		Total	15

BAHM	214	Intro to Hospitality Mgmt	3
BUAD	360	Quantitative Methods	3
BUAD	365	Business Research	3
BUAD	301	Career Development	1
BMIS	380	Mgmt. Information Systems	3
		Electives	3
		Total	16

SENIOR YEAR

ACCT	335	Federal Taxation	3
BAHM	310	Housekeeping Mgmt	3
BAHM	311	Travel and Tourism	3
ECON	376	Public Finance	3
		Electives	3
		Total	15

BAHM	410	Restaurant Management	3
BUAD	455	Business Policy**	3
BUAD	456	International Business	3
		Electives	6
		Total	15

* The SBE recommends that Business Administration majors take Pre-Calculus and Calculus for Non-Science Majors to prepare them to enter graduate school. However students may instead take another natural science course to complete the GE requirements. Pre-Calculus covers analytical geometry and trigonometry, so students who completed a senior level math course in high school may skip Pre-Calculus to take Calculus for Non-Science Majors directly after College Algebra, and then take an elective instead of Pre-Calculus.

** Business Policy is restricted to seniors.

MINOR: Accounting

Students majoring in disciplines outside the School of Business and Economics may earn a Minor in Accounting. The minor provides a means for students to qualify for various accounting positions in both the private and public sectors. The required courses are:

ACCT	211	Principles of Accounting I	3
ACCT	212	Principles of Accounting II	3
ACCT	320	Managerial Accounting	3
ACCT	321	Intermediate Accounting I	3
ACCT	322	Intermediate Accounting II	3
ACCT	335	Federal Income Taxation	3
BUAD	241	Business Law I	3

Total Hours Required for Minor ..... 21 Sem Hrs

MINOR: Business Administration

Students majoring in disciplines outside the School of Business and Economics may earn a Minor in Business Administration. The required courses are:

BUAD	115	Introduction to Business	3
ACCT	211	Principles of Accounting I	3
MNGT	221	Principles of Management	3
MRKT	231	Principles of Marketing	3
BUAD	241	Business Law I	3
		OR	
BFIN	311	Principles of Finance	3
TWO 300-400 Level Business Courses			6

Total Hours Required for Minor ..... 21 Sem Hrs

ECON 201 and ECON 202 Must be taken as part of the General Education Requirements.

ACCOUNTING

ACCT 211: Principles of Accounting I (3) (F;S;SS)
Study of the basic structure and concepts of accounting and the accounting profession. Course covers business transactions, journals, ledgers, special journals, adjusting and closing entries, inventory valuation, and worksheet preparation. Describes accounting systems for sole proprietorships. Prerequisite: BUAD 115

ACCT 212: Principles of Accounting II (3) (F;S;SS)
Continued study of accounting concepts and principles. Includes various aspects of accounting which are essential for measurement, interpretation, use and communication of accounting data. Illustrates accounting for plant assets, liabilities, and owners' equities. Describes accounting systems for corporations and other essential topics. Prerequisite: ACCT 211.

ACCT 320: Managerial Accounting (3) (F;S;SS)
An introduction to managerial accounting with emphasis on variable and fixed cost, break-even analysis, relevant cost, and other concepts and methods essential for using accounting information to make decisions and control operations. Prerequisite: ACCT 212.

ACCT 321: Intermediate Accounting I (3) (F;S)
Study of accounting and accounting systems. Emphasis on accounting principles dealing with current assets: cash, accounts receivable, Inventory, and plant assets. Discusses accounting concepts for planning and analyzing business operations. Prerequisite: ACCT 212.

ACCT 322: Intermediate Accounting II (3) (S)
Continued study of accounting and accounting systems. Emphasis on accounting systems for partnership and corporations. Topics include accounting for owner's equity, pensions, leases, income taxes, changes and errors, and changes in financial position. Prerequisite: ACCT 321.

ACCT 335: Federal Income Taxation (3) (F;S;SS)
Introduction to federal taxes on income. Topics include preparation of income tax returns for individuals, statutory concepts of income, capital gains and losses, basis of property sold, tax-free exchange, deductible expenses, interest contributions, depreciations, bad debts and losses, withholding method of minimizing taxes. Prerequisite: ACCT 212.

ACCT 421: Cost Accounting (3) (S)
Covers process and special order cost systems, pointing out relationships between cost and financial accounting. In-depth treatment of direct and indirect charges and departmentalization of accounts. Prerequisite: ACCT 212.

ACCT 422: Advanced Cost Accounting (3) (F)
Study of basic cost accounting systems and how these cost systems should be designed and used for various classes of decisions. Emphasis placed on study of managerial topics such as relevant costs and the contribution approach to decisions, cost analysis and capital budgeting, joint-product costs and by-product costs, decentralization and transfer pricing, and segment performance measurement. Prerequisite: ACCT 320 or ACCT 421.

ACCT 425: Auditing (3) (S)
Principles and practices used by public accountants and internal auditors in examining financial statements and supporting data. Emphasis is placed on the American Institute of Certified Public Accountants' generally accepted auditing standards for study and evaluation of internal control as well as detailed testing of financial statement items. Prerequisite: ACCT 322.

ACCT 431: Advanced Accounting (3) (S)
Study of various specialized areas of accounting including business combinations (includes intercompany transactions and consolidated financial statements); partnerships accounting (includes formation and liquidation of partnerships); and governmental accounting (includes basic study of fund operations). Prerequisite: ACCT 322.

ACCT 440: Accounting Information Systems (3) (F)
Study of Accounting Information Systems with an emphasis on information, communication, and networking technology within the context of transaction cycles and internal control structure. Examination of the role of AIS in e-commerce and enterprise software. Prerequisites: ACCT 212 and BMIS 380.

ACCT 450: Financial Statement Analysis (3) (F)
Explores the tools and techniques of financial statement analysis, emphasizing ratio and cash flow measurements of operating, financing, and investing performance. Focuses on finance and accounting concepts and practice. Prerequisite: ACCT 321

BUSINESS ADMINISTRATION

BUAD 115: Introduction to Business (3) (F;S;SS)
This course surveys the various disciplines within business and provides exposure to current issues such as globalization, entrepreneurial management, diversity, and ethics. The importance of the business sector on the dynamic market-driven economy is emphasized. It serves as an introduction to the field of business and is a PREREQUISITE to all other business courses.

BUAD 200: Business Communication (3) (F;S;SS)
This course relates to the study of various types of written business communications. Much attention is given to verbal skills, spelling, grammar, and sentence structure. A humanistic approach to business correspondence writing from the viewpoint of management is emphasized. Additional emphasis on oral and nonverbal communication skills, strategies for using technology to improve communications in businesses, and strategies for improving basic communication skills and interactions in today's complex business environments are covered. Prerequisite: BUAD 115.

BUAD 241: Business Law I (3) (F;S;SS)
Study of law and its application to business and business transactions. This is a survey course designed to familiarize today's business student with the legal process, specific laws, and the legal reality facing business men and women in the increasingly diverse and complex workplace. Prerequisite: BUAD 115.

BUAD 242: Business Law II (3) (S)
More advanced cases and problems arising from everyday business transactions. Special emphasis placed on corporations, negotiable instruments, credit transactions, sales and insurance. Prerequisite: BUAD 241.

BUAD 301: Career Development Seminar (1) (F;S)
This seminar covers resume writing, job preparation, and interviewing techniques, graduate and professional school preparation, test-taking skills, and related career development issues. Guests from the world of practice will be invited as presenters. Prerequisite: BUAD 115.

BUAD 360: Quantitative Methods for Business and Economics (3) (F;S;SS)
Exploration of mathematical techniques used in economics and business management with emphasis on applies problems, and relationship between technique and theory. Prerequisites: ECON 260.

BUAD 365: Business Research and Report Writing (3) (F;S)
Comprehensive techniques of business reporting which include surveying markets, summarizing findings, and writing analytical and informative reports. Prerequisites: ECON 260.

BUAD 406: Directed Work Experience (4) (F;S;SS)
A supervised work experience program, wherein students work in a business setting to gain the experience of employment. Designed to give realistic learning experiences. Prerequisite: Instructor's Approval.

BUAD 455: Business Policy (3) (F;S;SS)
An examination of the managerial tasks of developing, implementing, and executing company strategies in both the domestic and international spheres. This is a case method course. Cases will be used from the text and developed from current business situations. Students will learn how to apply the tools of analysis and critical thinking to the strategic challenges managers face. Prerequisites: BFIN 311, MNGT 221, MRKT 231; and senior standing.

BUAD 456: International Business (3) (F;S;SS)
Investigation of environmental aspects of international business including problems, opportunities, and organization of multinational corporations in overseas markets in their legal, political, social, and cultural settings. Prerequisites: BFIN 311, MNGT 221, MRKT 231.

BUAD 490: Internship I (1-3) (F;S;SS)
Emphasis is on developing student awareness of the business environment, the real world of work as it relates to their majors, providing visibility and hands-on experience in various business settings, stimulating consideration of business ownership as a career, exploring various business and career opportunities. Prerequisites: BUAD 301 or concurrent. Junior and senior Business major, and permission of Dean.

BUAD 491: Internship II (3-12) (F;S;SS)
Intended for full-time interns. Continuing emphasis on developing student awareness of the workplace environment as it relates to their major, providing hands-on experience in various business settings; promoting entrepreneurship. Prerequisites: BUAD 301 or concurrent. Junior or senior standing with overall average of at least 2.75 (may be waived by Dean); and permission of course instructor. NOTE- Credits earned in this class may not be applied towards graduation requirements.

BUAD 495: Independent Studies (3) (F;S;SS)
The course allows students to explore topics of current interest or specialized research topics under the guidance of a faculty advisor. Course topics are intended to be flexible and creative, varying form semesters. Prerequisites: Junior or senior standing with overall average of at least 2.75. Consent of Dean and permission of instructor required.

ECONOMICS

ECON 201: Principles of Economics I (3) (F;S;SS)
An introduction to macroeconomics including a study of economic institutions and relationships in society. Resource allocation, the market system, national income accounting and analysis, the banking system, and monetary and fiscal policy are analyzed and discussed.

ECON 201 H: Principles of Economics I Honors(3) (F;S)
This course is an introduction to macroeconomics which is a study of the economic system as a whole. Aggregate economic relationships and institutions are covered. Resources allocation, the market system, national income measurement and analysis, the banking system, monetary and fiscal policy, inflation, recession, economic growth and international exchange markets are discussed and critically analyzed in the context of a private enterprise system. Prerequisite: Permission of Department Chairperson.

ECON 202: Principles of Economics II (3) (F;S;SS)
An introduction to microeconomics including a study of the individual firm, supply and demand, market structures, the pricing of resources, and the theory of distribution. Contemporary economic problems such as the farm problem, market structures and the public interest, and international trade are discussed. Prerequisite: ECON 201.

ECON 260: Business/Economics Statistics (3) (F;S)
Statistical methods including measures of central tendency, and dispersion, sampling, probability and regression analysis. Prerequisite: ECON 201, 202.

ECON 310: History of Economic Thought (3) (S)
Review of development of economic thought. A study of tools of analysis and socioeconomic conditions which influence economic thought. Prerequisites: ECON 201, 202.

ECON 318: Money, Credit, And Banking (3) (S)
Study of subject from viewpoint of the businessman, banker, and the public. Examines development and present status of the American money market, credit controls, monetary policy, debt management, and monetary theory. Prerequisites: ECON 201, 202.

ECON 325: Current Economic Problems (3) (F)
Study of domestic and international economic problems and proposed solutions. Trends such as employment, inflation, poverty, the gold flow, and farm problems are analyzed. Prerequisites: ECON 201, 202.

ECON 376: Public Finance (3) (F;S)
Public expenditures, federal and state revenue systems, financial administration, budgeting and public debt management. Prerequisites: ECON 201, 202.

ECON 410: Industrial Relations (3) (S)
Study of labor history in America, the process of collective bargaining; laws pertaining to labor management relations, and factors affecting wage and employment determination. Prerequisite: ECON 202.

ECON 455: International Economics (3) (S)
Analysis of flow of goods and services between countries and financial aspects of international trade. Includes benefits from trade, restraint of trade, terms of trade, financial trade, and the balance of payments analysis. Prerequisites: ECON 201, 202.

ECON 470: Microeconomic Analysis (3) (F)
Development of methods in economic analysis and application of these methods to problems of price and production under conditions of competition, monopoly, monopolistic or imperfect competition, and oligopoly. Prerequisites: ECON 201, 202.

ECON 480: Macroeconomics Analysis (3) (S)
Study of determinant of income, employment, and interest rates with emphasis on government policy to stabilize economic conditions. Prerequisite: ECON 201, 202.

ECON 485: Mathematical Economics (3) (F;S)
An analysis of economic problems with the use of mathematical techniques. Econometrics models are essential to the application of theory to the understanding and solution to real world problems.

ECON 490: Comparative Economic Systems (3) (F)
Forms of economic organization, economic policies and objectives of capitalism, socialism, and fascism. Application of theories to practices. Prerequisites: ECON 201, 202.

BANKING & FINANCE

BFIN 311: Principles of Finance (3) (F;S;SS)
Study of the principal financial requirements of management. Analysis of the demand of funds, internal and external supplies of funds, and their costs to the firm. Prerequisite: ACCT 212.

BFIN 320: Financial Management (3) (F)
The theory of financial management with practical applications concerning the acquisition and allocation of funds. Prerequisite: BFIN 311 or ACCT 321.

BFIN 340: Principles of Insurance (3) (S)
Nature, principals, management of risk, and use of insurance in personal and business situations. Group, life, health, and retirement insurance are covered. Prerequisite: BFIN 311 or ACCT 321

BFIN 350: Investments (3) (F)
Principles of security investments, analysis of specific studies, portfolio construction, and management. Prerequisite: BFIN 311 or ACCT 321.

BFIN 410: Financial Institutions (3) (F)
A study of the structures and functions of financial institutions and their relationships to the financial management of firms. Prerequisites: BFIN 311 and ECON 318.

BFIN 425: Commercial Bank Management (3) (S)
Focuses on operation, management, and analysis of commercial banks and other financial institutions. Prerequisites: BFIN 311 and ECON 318.

HOSPITALITY MANAGEMENT

BAHM 214: Introduction to Hospitality Management (3) (S)
This course will be a survey course providing an overview of the industry, its history, problems, and general operating procedures. Prerequisite: BUAD 115.

BAHM 310: Housekeeping Management (3) (F)
This will be a survey course to provide students with the general understanding of the organization, duties, and administration of institutional housekeeping. Prerequisite: BAHM 214.

BAHM 311: Travel and Tourism (3) (F)
An introduction to the broad field of travel, transportation, and tourism. Cultural, sociological, developmental, and economic roles of tourism with special emphasis on travel demands and marketing of travel. Prerequisite: BAHM 214.

BAHM 410: Restaurant Management (3) (S)
A course designed to study quality production and its relationships to the proper utilization of people, equipment, space, and technology. The relationship between menu items, time standards, and costs are also emphasized. Prerequisite: BAHM 214.

BAHM 411: Front Office Management (3) (S)
A basic course providing guidelines, procedures and methods for the successful operation of hotel and motel front offices. Prerequisite: BAHM 214.

BAHM 414: Hospitality Law (3) (F;S)
A case and problem-oriented law course in which the student assumes the position of the top management decision maker. Selected topics or problems in an identified area of hospitality are discussed. Prerequisite: BAHM 214.

MANAGEMENT

MNGT 221: Principles of Management (3) (F;S;SS)
Study of management principles that apply to all types of business organizations with special emphasis on planning, organizing, staffing, and controlling. Prerequisite: BUAD 115.

MNGT 321: Human Resource Management (3) (F;S;SS)
Introduces student to fundamental theory and practices relating to the interviewing, hiring, training, scheduling, placing, supervising, compensating, evaluating, promoting, and dismissing of personnel. Prerequisite: MNGT 221.

MNGT 322: Organizational Behavior (3) (F;S;SS)
Emphasis on development of student's understanding and knowledge of organizational setting. Instruction directed toward organizational behavior as a necessary ingredient of managerial effectiveness and understanding of the major theoretical and methodological approaches to studying behavior in organizations. Prerequisite: MNGT 221.

MNGT 421: Production/Operations Management (3) (F;S)
Principles and techniques underlying production and operations management. Topics include control, pro-

duction control, production methods and facilities. These topics will be integrated using a systems approach to organizations operations. Prerequisites: MNGT 221, ECON 202, ECON 260.

MNGT 422: Entrepreneurship: Business Ownership and Control (3) (F;S)
A study of how to start a new enterprise and an examination of the requirement for its successful operation. Topics include the legal forms of organizations, financing, location, risks, and rewards. Special attention will be given to planning, establishing, and entering a small business. Prerequisite: MNGT 221, MRKT 231, BFIN 311.

MANAGEMENT INFORMATION SYSTEM

BMIS 380: Management Information Systems (3) (F;S;SS)
A detailed discussion of management information systems as developed in a computer environment. Emphasis will be given to the use of computers in managerial decision making and in information processing techniques of documentation, written procedure, and system flow charts. Prerequisite: BUAD 115.

BMIS 436: Management Information Systems Design (3) (S)
Cost, value, and technical considerations in analysis and design of information systems whose purposes are to aid decision making in the organization. Students are expected to complete an information system research project. BMIS 380.

BMIS 470: Information Systems for Planning and Control (3) (F)
Analysis of information requirements for planning, decision making, and performance measurement in organizations. Prerequisite: BMIS 380.

BMIS 475: Database Management Systems (3) (S)
Introduces concepts of file structures, access techniques, data management models and implementation, database administration, data query, update, and report generation. Prerequisite: BMIS 380.

BMIS 485: Decision Support Systems (3) (F)
On-line interactive information systems used in planning and control of business enterprise: design, control, and proper utilization of DSS systems. Prerequisite: BMIS 380.

MARKETING

MRKT 231: Principles of Marketing (3) (F;S;SS)
Survey of marketing organization and methods in the socio-economic system with discussion on pricing, promotion, production, distribution of goods and services, consumer problems, institutions, and methods and policies. Prerequisite: BUAD 115.

MRKT 331: Promotion (3) (S)
Studies promotions as persuasive communication. Examines promotion management and its relationship to the overall marketing program. Primary emphasis on advertising, sales promotion, personal selling, consumer and market information; message appeals, media selection, and scheduling; and measuring effectiveness. Prerequisite: MRKT 231.

MRKT 332: Consumer Behavior (3) (F)
Analysis of the social, cultural, and psychological factors influencing the behaviors of consumers. Special emphasis of behavioral patterns, market segmentation research, attitude formation and change, brand loyalty, adoption of innovations, store choice decisions. Prerequisite: MRKT 231.

MRKT 431: Retailing (3) (F)
Analysis of factors underlying successful operation of retail store including location and design, stock arrangement, buying and selling, advertising and display, merchandise planning and control, retail market and financial analysis, personnel management, customer relations, and nonstore and service retailing. Prerequisite: MRKT 231.

MRKT 432: Marketing Management (3) (S)
Studies the marketing function and its relationship to the total business organization and its environment. Emphasis is placed on the design of marketing strategies and systems. This is a case method course with readings from trade and academic journals to enhance understanding. Students will learn how to apply the tools of analysis and critical thinking to the strategic challenges marketers faced. Prerequisites: MNGT 221, MRKT 231 and at least one of the following: MRKT 331, 332, 431.

School of Education, Health & Psychology

Dr. Eileen I. Oliver, Dean
McLendon Hall, Room 100
Telephone (252) 335-3298

The School of Education and Psychology is devoted to preparing its students for meaningful careers in several areas of public service. In concert with the University's mission, the faculty is committed to excellence in teaching, leadership and community service, exemplifying through diverse and challenging environments an ever changing, technologically advanced global society. The School provides future educators with the skills and knowledge to teach and guide children in the schools of North Carolina; prepares psychology students with the theoretical, scientific and practical knowledge of human behavior so that they may pursue advanced degrees and careers in the counseling profession. The School of Education and Psychology also prepares students for careers and research in the area of health and physical education and fitness. Completion of the various preparation programs will lead to a variety of state-issued certifications. The advanced degree in Elementary Education allows further pursuit of knowledge and expertise at an advanced level.

DEPARTMENTS

The School of Education and Psychology consists of the following departments:

- Education/Teacher Education, *Open*
- Health and Physical Education. *T.J. Little, Interim Chair, 100 Vaughn Center*
- Psychology. *Delbert Garnes, Chair, 181 Griffin Hall*

EDUCATION

TEACHER EDUCATION PROGRAM CONCEPTUAL FRAMEWORK TEACHER AS DECISION MAKER

The conceptual framework adopted by Elizabeth City State University's professional education programs describes the vision and purpose of the School of Education and Psychology in preparing educators to work in PK-12 schools. Consistent with the institution's mission, its focus is to prepare teachers who are competent evaluators, reflective practitioners, advocators of diversity, effective facilitators, critical thinkers and literate technology users capable of meeting the diverse needs of all learners. Supported by a strong knowledge base, the conceptual framework provides a system for ensuring coherence and a well-articulated professional commitment to student knowledge of content, teaching competence, leadership, and learning. This is reflected in the curriculum, instruction and clinical experiences provided to develop the knowledge, skills and dispositions that are valued in teachers.

Since its beginning in 1992, the conceptual framework, "Teacher As Decision Maker" has remained the guiding force for program implementation, assessment, evaluation and effectiveness. The faculty has always characterized themselves as educators who sought to transmit professional qualities to prospective teachers. Twelve years later, those same qualities remain evident and are considered just as important. In 2001, the conceptual framework was revised and a visual model was created to more adequately reflect the theme, "Teacher As Decision Maker". The professional and university-wide communities involved in the preparation of teachers and other school-based personnel universally, collaboratively, and enthusiastically embraced the theme. It supports the University's mission and is the guiding force for preparing educators. The

conceptual framework is constantly being revised to reflect an ever-changing, technologically advanced society.

A synopsis of Elizabeth City State University's conceptual framework theme follows:

In the General Studies Division, a well-planned sequence of courses builds a broad liberal arts knowledge base in the humanities, the social and behavioral sciences, mathematics, natural sciences, and physical education and health.

Students are systematically exposed to technologies associated with learning, retrieving, and applying information. In addition, General Education develops inquiry skills, promotes domain-specific thinking, and encourages broad-based dispositions for good scholarship. At this level of teacher preparation, students examine their motives for teaching as they observe in the world of practice. Entry level assessments help students in deciding to continue or exit.

At the Professional Studies level, students begin their professional development which includes comprehension, observation of and reflection on both theory and practice. Students begin to examine many areas relevant to instruction and to analyze the planning needed to be effective in each area. Next, students learn to identify and sort appropriate and inappropriate instructional practices. At this point, students are ready to demonstrate their knowledge by implementing appropriate instructional practices in simulations and microteaching settings. The culmination is full application in the teaching practicum setting. During the practicum period, the continuous staffings, debriefings, observations, and conferences allow and encourage evaluation of both theory and practice. These reflective tasks demand that students clarify and synthesize their knowledge and skill. At this point, the student has developed into Elizabeth City State University's competent, effective teacher-decision-maker who is ready to serve as a professional.

THE DEPARTMENT OF EDUCATION

The Department of Education offers programs leading to licensure and a Bachelor of Science in Education with majors in the following areas:

- Elementary Education (Grades K-6)
- Middle Grades (Grades 6-9)
- Special Education (Grades K-12) General Curriculum
- Birth through Kindergarten (BK)

The Department also offers a Secondary Licensure Program (Grades 9-12). Students preparing to teach in secondary schools (9-12) complete a major in one or more of the basic disciplines, other than Education, and pursue a minor in Secondary Education.

A student majoring in Elementary Education, and Physical Education, is required to select an academic concentration from the list below. All teaching programs in the School of Education and Psychology have the approval of the North Carolina Department of Public Instruction; therefore, according to the "approved program approach," will permit the student who has successfully completed a teacher-preparation program and achieved an appropriate PRAXIS score to acquire an Initial Class A teaching license.

Approved Academic Concentration Options:

1. Art
2. Biology
3. English
4. General Science
5. Mathematics
6. Music
7. Psychology
8. Social Sciences

ADMISSION TO THE TEACHER EDUCATION PROGRAM

Admission to the Teacher Education Program is open to both degree and non-degree students who meet the requirements established by the university.

INITIAL ADMISSION TO THE PROGRAM:

According to the criteria established by the Teacher Education Advisory Council, to be eligible for admission to the Teacher Education Program a student must:

A. Apply for admission to the Teacher Education Program.
B. Have successfully completed four semesters of college work (60 semester hours).
C. Have taken and successfully completed:
   - GE 122T—Freshman Seminar;
   - EDUC 202—Sophomore Seminar (including Early Field Experiences);
   - EDUC 201—Foundation of Education (Early Field Experiences for Licensure only, as needed);
   - A rating of Satisfactory on the Communication Performance Program (CPP) Speech Test; and
   - Pre-Professional Skills Test I (PPST) or Computer-Based Test of the PRAXIS SERIES

must be taken with acceptable scores as specified and mandated by the State Department of Public Instruction.

D. Have an overall cumulative grade point average of 2.5 or better on a 4.0 scale.
E. Complete a Candidate For Professional Licensure Profile Form.
F. Have three references on file.
G. Have completed a personal profile.

Each student who applies for admission to the Teacher Education Program will be given written notification regarding admission or denial of admission. A student is not considered admitted to the Teacher Education program until such notification is provided.

RETENTION IN PROGRAM:

To remain in the Teacher Education Program the student must:

A. Maintain a cumulative grade point average of 2.5 or above.
B. Attend the Prospective Teachers' Seminars.
C. Meet with Advisor(s) a minimum of three times each semester.
D. Follow prescribed curriculum guides for (1) an education major and (2) the chosen academic concentration.
E. Earn a minimum grade of "C" in each Professional Education course (see Professional Education Core Courses).

A student who fails to maintain the requirements stated above becomes inactive in the Teacher Education Program and may not continue as a Prospective Teacher until he/she applies to and is accepted for reinstatement in the Program.

PREREQUISITES FOR STUDENT TEACHING:

In order to qualify for student teaching, a student must:

A. Be accepted in the Teacher Education Program.
B. Receive at least a "C" in all Professional Education courses.
C. Achieve senior classification.
D. Have a minimum overall cumulative grade point average of 2.5 on a scale of 4.0.
E. Complete both General Education and contributing education courses required by the curriculum of the major except student teaching and minimum courses.
F. Submit Application and be accepted for Student Teaching one semester prior to the student teaching semester on or before dates announced by the Office of Teacher Education.
G. Fulfill the Early Field Experience requirements.
H. Remove all deficiencies, if any, by the established deadline.
I. Complete teacher placement records.
J. The Specialty area of the PRAXIS should be taken before graduation. The student must make the acceptable North Carolina cut-off score prior to applying for the teaching license.
K. Complete the Academic Concentration requirements prior to Student Teaching.

Note: Prospective student teachers may request a particular county, school, and grade level placement; however, the final placement will be determined by the Office of Teacher Education. Also, when possible, the student teaching site will be within a 40-mile radius of Elizabeth City.

REQUIREMENTS FOR EXIT:

Each student must satisfy the following requirements to complete the Teacher Education Program:

A. Complete remaining major and professional courses, including student teaching. Maintain a cumulative grade point average of 2.5.
B. Attend all student teaching seminars as scheduled.
C. Complete all required records.
D. Remove any academic deficiencies.
E. Interview with university supervisor(s), cooperating teacher and Director of Teacher Education.
F. Present a program portfolio with an overall rating of Satisfactory.

REQUIREMENTS FOR LICENSURE:

Graduates wishing to be initially licensed must have completed and have on file in the Office of Teacher Education the following forms:

1. An official copy of his/her transcript with an acceptable grade in Student Teaching.
2. Directed Student Teaching Observation Form.
3. Form submitted by the LEA (public school) to the Office of Teacher Education. (Please note that this form is filled out exclusively by the Local Education Agency with collaborative assessments from the cooperating teacher and superintendent's designee.) This form must reflect that the Student Teaching experience was successful.
4. Pay the fee required by the North Carolina Department of Public Instruction for issuance of a teaching license; and
5. A copy of Praxis II passing score.

Post Graduates: Licensure Only or Renewal

Students who hold a Bachelor's degree and wish to become (a) licensed in their current discipline area or another area, (b) licensed teachers from other states seeking North Carolina licensure, and (c) teachers seeking license renewal should meet with the Director of Teacher Education, or designee, for an evaluation of their present college credits to determine individual teacher licensure requirements and to complete a form outlining the program of courses/credits needed.

In all cases, persons will be required to have the equivalent of at least a minor in the academic discipline area in which licensure is being sought. Each discipline will affirm whether the candidate possesses at least a minor in the academic discipline program of study. Additionally, the person must satisfy, by course or equivalents, the requirements of the professional education sequence at the level for which licensure is being sought.

Candidates for admission to the Teacher Education Program, who already hold a baccalaureate degree, are exempt from the State Board of Education requirement for PRAXIS I (PPST/CBT) on the assumption that completion of baccalaureate studies provides evidence of adequate mastery of general knowledge and communication skills measured by the PRAXIS SERIES. Elizabeth City State University will require those students who already hold a baccalaureate degree to have a minimum GPA of 2.5 from the institution conferring the degree for admission to its Teacher Education Program. In addition, these students will be required to (1) take and pass the speech test and (2) interview with advisors from the major Department and teacher education faculty. Licensure Only students having less than a 2.5 cumulative average from their graduating institution must carry at least 12 hours at ECSU, equalling full-time status. The courses they take must represent some of the options listed below:

a. courses may be academic concentration;
b. may be courses of remediation;
c. may be enrichment;
d. may be to update major requirements for teaching area.

If a Licensure Only student enrolls in ECSU already having taken the PRAXIS II and made the acceptable score, he/she would not be required to take EDUC 400 (Senior Seminar for Education Majors).

CURRICULUM MATERIALS CENTER

The Curriculum Materials Center, located in Griffin Hall, provides a wide variety of books and instructional materials in the academic teacher education areas and at levels ranging from preprimer through high school.

Included are selected textbook series, supplementary materials for children and youth, curriculum guides and courses of study from local schools where student teachers perform their supervised teaching. Materials dealing with unit construction, lesson plans, exercises, testing, instructional aids, and teaching strategies are also available, as are reference books pertaining to children's literature, instructional media, posters, art prints, recordings, and manipulations for hands-on experiences. The Curriculum Materials Center maintains an on-line database of acquisitions.

INSTRUCTIONAL TECHNOLOGY COMPUTER LAB

The Instructional Technology Computer Lab houses networked IBM compatible multimedia computers with Internet access. This environment allows students and faculty alike to become exposed to new technology, utilize the Internet, send and receive e-mail, word processing, spreadsheets, databases, document imaging, multimedia development and presentations, technology workshops, PRAXIS preparation, and software reviews.

OFFICE OF SCHOOL SERVICES

The Office of School Services is the coordinating agent established to improve communication between public schools and the university and to facilitate service activities. This office seeks opportunities to provide service and responds to requests that allow Elizabeth City State University personnel to interact with students, parents, teachers, administrators, and school board members. Services provided include: public school visitations; prospective teaching scholarship information; workshops and ongoing professional development; and collaboration with schools and districts. Special emphasis is placed on coordinating field/school-site placements for Early Field Experiences and the culminating clinical/ student teaching experience.

OVERALL GOALS AND OBJECTIVES FOR TEACHER EDUCATION AT ECSU

The Teacher Education Program has a long-range plan which is regularly monitored.

Major emphasis is devoted to (1) enhancing student performance on national standardized examinations, (2) increasing support for faculty development, (3) providing quality educational programs to all students, (4) increasing the number and diversity of students, (5) providing greater collaboration with public schools, and (6) developing new and/or expanded programs at the undergraduate and graduate levels employing technology as a tool to enhance the educational environment. Additional, specific long-range plans are presented in the SACS and NCATE reports for the Teacher Education Program.

The Teacher Education Program is designed to:

1. Enable students to develop competence in the subject matter of the chosen teaching field;
2. Prepare teachers who are analytical problem solvers;
3. Prepare teachers with the competencies to meet the challenges of a multicultural society;
4. Provide for an understanding of the school as an educational institution of social change;
5. Prepare teachers who have the technology competencies to facilitate student learning and continue professional growth;
6. Provide for the study of the patterns of human growth and development;
7. Examine methods of teaching and emphasize criteria by which these methods can be enhanced, evaluated, and implemented;
8. Provide contact with children through field experiences, internships, and student teaching.

ELEMENTARY EDUCATION K–6

The Elementary Education Program offers professional education courses for students desiring to major in Elementary Education, preparing them to teach Kindergarten through sixth grade. Courses offered by the various disciplines will satisfy degree program requirements and some may be selected for academic and cultural enrichment. A minimum of 125 semester hours is required to complete the program and majors are required to select and complete a second academic concentration. Approved academic concentration options are listed on page 193.

The Elementary Education Program also includes a Laboratory School comprised of a Preschool, ages 3-5. Experiences are provided for young children which (1) help them to develop socially, emotionally and educationally, as well as (2) provide observation and practical experiences with children for Elementary Education majors and other students of the university.

PROGRAM GOALS

The goals of the Elementary Education Program are:

1. To prepare effective teachers of children enrolled in grades Kindergarten through six (K–6).
2. To develop competent elementary school teachers who have the knowledge and a repertoire of skills to prepare widely diverse students for lifelong learning in a technologically rich society.
3. To develop elementary school teachers who practice effective critical and reflective thinking as well as problem-solving and decision-making skills within and across disciplines.

OBJECTIVES

The Program in Elementary Education is designed to:

1. Prepare students to identify and comprehend historical, philosophical, psychological, and sociological factors which have influenced elementary education.
2. Provide students with theoretical and research knowledge and experiences in developing, analyzing, and evaluating practical skills in elementary education.
3. Prepare students to comprehend, analyze, synthesize, and apply the general principles of human development with special emphasis on cognitive, language, physical, emotional, and social development of children in the elementary grades.
4. Prepare students to identify, research, plan, implement, and evaluate developmentally appropriate teaching behaviors and integrate curriculum organization and activities for children in the elementary grades (K–6).
5. Provide students with field experiences that develop skills in observing, analyzing, and evaluating the teaching/learning process through actual participation. These field experiences are taken in conjunction with course work that promotes an awareness of and sensitivity to cultural diversity.
6. Provide student teaching experiences in which students assume a major responsibility for the

full range of teaching duties including classroom management, organizing, planning, implementing and evaluating instruction, incorporating computers and other technologies into an integrated curriculum, and communicating with parents.

7. Provide students with the skills necessary to make appropriate instructional and learning decisions about students.
8. Provide students with experiences that will help them develop competence and confidence in using computers and other technology to facilitate learning.
9. Develop competencies specified by:
   a. National Council for Accreditation of Teacher Education (NCATE)
   b. The North Carolina State Department of Public Instruction's Competencies and Guidelines for Approved Teacher Education Programs.
10. Provide the elementary education faculty with opportunities to collaborate with public school personnel.

MAJOR: B.S.Ed. Degree in Elementary Education K–6

A.	**General Education Core**		**45**	**Sem Hrs**
B.	**Specialty Area Course Requirements**		**20**	**Sem Hrs**
	EDUC 202	Music and Art in the Classroom	2	
	MUS 227	Fundamentals of Music	1	
	POLS 301	American National Government	3	
	PE 363	Group Games and Rhythms	1	
	ENGL 319	Children's Literature	3	
	EDUC 349	Classroom Management Techniques	2	
	HLTH 373	Health in the Elementary School	2	
	HIST 376	History of North Carolina	3	
	EDUC 203	Instructional Technology	3	
C.	**Professional Core Courses**		**35–37**	**Sem Hrs**
	EDUC 201	Foundations of Education	3	
	SPED 200	Survey of Exceptional Children & Youth	3	
	(Only Professional Core Course which does not require admission to Teacher Education)			
	PSY 302	Human Development	3	
	PSY 309	Educational Psychology	3	
	READ 310	Elementary Reading and Lang. Arts Instruction	3	
	EDUC 413	Instructional Methods in the Elementary Curriculum	3	
	EDUC 433	Observation and Supervised Teaching in Elementary Education (K–6)	6	
	EDUC 431	Teaching Mathematics in the Elementary School	3	
	EDUC 434	Teaching Science in the Elementary School	3	
	EDUC 436	Teaching Social Studies in the Elementary School	3	
	*EDUC 478	Seminar in Contemporary Educational Issues	P/F	
		Related Elective	2	
	EDUC 479	Multicultural Education	3	
	**EDUC 400	Senior Seminar	P/F	
D.	**Academic Concentration Minimum**		**18**	**Sem Hrs**
	Total Hours Required for Degree		**127**	**Sem Hrs**

* Pass/Fail Grade – Optional to those who have passed PRAXIS II.

CURRICULUM GUIDE FOR MAJORS IN ELEMENTARY EDUCATION K–6

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
MATH	121	Number Systems and Algebra	3
GE	122T	Freshman Seminar	1
GE	140	World Civilization I	3
GE	152/L	Prin. of Physical Sci./Lab	4
		or	
GE	155/L	Prin. of Biol. Sci./Lab	4
		Physical Ed. Activity	1
GE	130	Art Appreciation	2
			17

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE	103	Comp. and Literature II	3
MUS	227	Fund. of Music	1
GE	141	World Civilization II	3
GE	142	Intro. to Geography	3
GE	135	Music Literature	2
		Physical Ed. Activity	1
MATH	122	Geometry and Data Analysis	3
			16

SOPHOMORE YEAR

EDUC	203	Introduction to Computer Instructional Technology	3
GE	201	World Lit I	3
PSY	212	Gen. Psychology	3
GE	185	Health Concepts	2
		* Academic Concentration	6
			17

GE	202	World Lit. II	3
EDUC	201	Foundations of Education	3
EDUC	202	Music and Art in Classroom	2
EDUC	220	Sophomore Seminar	1
SPED	200	Survey of Except. Children	3
		* Academic Concentration	6
			18

JUNIOR YEAR

ENGL	319	Children's Literature	3
POLS	301	American Nat. Government	3
PSY	302	Human Development	3
HIST	376	History of N.C.	3
		* Academic Concentration	3
			18

HLTH	373	Health in the Elem. Sch.	2
PE	363	Group Games and Rhythms	1
PSY	309	Ed. Psychology	3
EDUC	349	Classroom Mgmt. Tech.	2
		* Academic Concentration	9
			17

SENIOR YEAR

(Year-Long Student Teaching Begins)

(Field Experience Required for all Methods Courses)

**	READ 310	Teach Reading and Language Arts in Elementary School	3
**	EDUC 413	Instructional Methods in Elementary Curriculum	3
**	EDUC 431	Teach Math in Elem. Sch.	3
**	EDUC 434	Teach Science in Elem. Sch.	3
**	EDUC 436	Teach Social Studies in Elem. Sch.	3
	EDUC 479	Multicultural Education	3
	EDUC 400	Senior Seminar	P/F
			18

(Continuation of Year-Long Student Teaching)

	EDUC 478	Seminar in Contemporary Education Issues	P/F
	EDUC 433	Student Teaching	6
***	EDUC 499	Problems in Education	3 *(OPTIONAL)*
***		Elective	3 *(OPTIONAL)*
			6

TOTAL REQUIRED HOURS TO GRADUATE 127

* Total of at least 24 semester hours required for Academic Concentration.
** Must be taken the semester before full time student teaching.
*** For students needing to carry at least 12 credit hours to satisfy financial aid requirements ONLY.

LICENSURE-ONLY STUDENTS
ELEMENTARY EDUCATION K–6

Transcript will be required for review.

A.	**Specialty Area Course Requirements**		**20**	**Sem Hrs**
	EDUC	202	Music and Art in the Classroom	2
	MUS	227	Fundamentals of Music	1
	POLS	301	American National Government	3
	PE	363	Group Games and Rhythms	1
	ENGL	319	Children's Literature	3
	HIST	376	History of North Carolina	3
	EDUC	349	Classroom Management Techniques	2
	HLTH	373	Health in the Elementary School	2
	EDUC	203	Instructional Technology	3
B.	**Professional Core Courses**		**38**	**Sem Hrs**
	EDUC	201	Foundations of Education	3
	PSY	302	Human Development	3
	PSY	309	Educational Psychology	3
	READ	310	Elementary Reading and Lang. Arts Instruction	3
**	EDUC	400	Senior Seminar for Education Majors	P/F
	EDUC	413	Instructional Methods in the Elementary Curriculum (K–6)	3
	EDUC	433	Observation and Supervised Teaching in Elementary Education (K–6)	6
	EDUC	431	Teaching Mathematics in the Elementary School	3
	EDUC	434	Teaching Science in the Elementary School	3
	EDUC	436	Teaching Social Studies in the Elementary School	3
*	EDUC	478	Seminar in Contemporary Education Issues	P/F
			Related Elective	2
	EDUC	479	Multicultural Education	3
	SPED	200	Survey of Exceptional Children and Youth	2
Total Hours Required for Licensure			**58**	**Sem Hrs**

* Pass/Fail
** Optional to those who pass Praxis II

BIRTH THROUGH KINDERGARTEN (BK)

The Birth through Kindergarten Program (BK) is a 127 hour program structured for those who desire to work as educators in a variety of settings with young children, birth to five years, with and without disabilities, and their families. The preparation of these specialists will employ the most current knowledge bases available for planning, delivering and evaluating programs for this critical age span. The fields included are psychology, sociology, health and physical education, special education and child development.

PROGRAM OBJECTIVES

The Birth through Kindergarten Program objectives are:

1. To provide BK students with the skills to examine concepts and theories which make knowledgeable the unique patterns with which children progress and the factors that distinguish the wide range of typical from atypical development;
2. To develop in BK student's knowledge and skill in the design/adaptation and implementation of developmentally appropriate learning environments for young children. The program will develop knowledge and competencies in the areas of creating and adapting environments;
3. To provide BK students with an understanding of various stages and sub stages of growth and fostering learning within environments, and environmental management of physical, health, safety, and medical needs;
4. To help BK students to develop an understanding of developmentally and functionally appropriate curricula and methods for children from birth through two and for children three through kindergarten, including the knowledge and skill in utilizing a variety of curriculum models;
5. To provide BK students with knowledge and skills needed to work with children with special needs;
6. To provide BK students with knowledge and skill in working collaboratively with families;
7. To help BK students emphasize foundations for professional development, positive attitudes toward children and families, and fostering a strong commitment toward continuous, life-long study of young children and their learning;
8. To provide BK students with competence in data collection focused on children's individual development. The program will provide for the development of skills in screening and assessment procedures for children with and without special needs. The program will provide for the development of skills in program evaluation;
9. To provide BK students with early, continuous, sequential, and varied practicum and supervised field experiences with typically and atypically developing young children and their families;
10. To prepare BK teachers to participate fully in interdisciplinary early childhood teams and to collaborate across agencies dealing with young children and their families;
11. To provide BK students with knowledge and skill in the use of computer technology that will enhance the total development of the young child, birth through kindergarten.

MAJOR: B.S.Ed. Degree in Birth through Kindergarten (BK)

A.	**General Education Requirements**		**45**	**Sem Hrs**
B.	**Specialty Area Core Requirements**		**37**	
	BKED	330	Early Childhood Observation and Assessment	3
	BKED	305	Early Childhood Literacy Development	3
	BKED	454	Inclusive Preschool Environments	3
	BKED	460	Issues and Trends In Early Childhood Ed.	3
	HPE	201	Principles of Nutrition	3
	*EDUC	203	Intro to Computer Instructional Technology	3

	* HIST	376	History of History Carolina	3
	* EDUC	349	Classroom Management Techniques	2
	* MUS	227	Fundamentals of Music	1
	MGNT	221	Principles of Management	3
	EDUC	202	Music and Art In the Classroom	2
	* SOWK	220	Human Diversity	3
	* SOC	401	The Family	3
C.	**Professional Education Courses**			**47 Sem Hrs**
	SPED	215	Communication for Special Education Teachers	3
	SPED	336	Implications of Behavior Management/ Positive Support Systems Education	3
	SPED	341	Introduction to Special Education Laws	3
	SPED	420	Collaboration with Families and Educators	3
	BKED	325	Infant and Toddler Field Experience	2
	BKED	421	Preschool Field Experience	2
	BKED	230	Special Needs Field Experience	1
	*EDUC	201	Foundations of Education	3
	*PSY	302	Human Development	3
	*PSY	309	Educ. Psychology	3
	*EDUC	479	Multicultureal Education	3
	BKED	325	Infant and Toddler Curriculum Development	3
	BKED	490	Student Teaching	6
	BKED	480	Internship Seminar	6
	BKED	420	Preschool Curriculum Development	3
Total Hours Required for Degree.				**127 Sem Hrs**

* Existing Courses

CURRICULUM GUIDE FOR MAJORS IN BIRTH THROUGH KINDERGARTEN (BK)

FRESHMAN YEAR

FIRST SEMESTER

COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
MATH	121	Number Systems and Algebra	3
GE	122T	Freshman Seminar	1
GE	140	World Civilization I	3
GE	152	Principles of Phys. Sci/Lab or	4
GE	152/L	Principles of Biol. Sci/Lab	4
		Physical Ed. Activity	1
GE	130	Art Appreciation	2
			15

SECOND SEMESTER

COURSE AND NUMBER			HRS
GE	103	Comp. and Literature II	3
MUS	227	Fund. of Music	1
GE	141	World Civilization II	3
GE	142	Introduction to Geography	3
GE	135	Intro. to Music Literature	2
		Physical Ed. Activity	1
MATH	122	Geometry and Data Analysis	3
			16

SOPHOMORE YEAR

EDUC	203	Intro. to Computer Instrl. Tech.	3
GE	201	World Lit. I	3
PSY	212	General Psychology	3
GE	185	Health Concepts	2
SOC	220	Human Diversity	3
MGNT	221	Principles of Management or Elective	3
			17

GE	202	World Lit. II	3
EDUC	201	Foundations of Education	3
EDUC	202	Music and Art in Classroom	2
GE	220	Sophomore Seminar	1
SPED	215	Comm. for Special Educ. Teachers	3
BKED	222	Field Study-Special Education	1
HPE	201	Principles of Nutrition	3
			16

JUNIOR YEAR

BKED	325	Infant and Toddler Development	3
SPED	341	Intro. to Special Educational Laws	3
PSY	302	Human Development	3
HIST	376	History of NC	3
BKED	305	Early Childhood Literacy	3
BKED	326	Infant & Toddler Devmt Field Study	1
			16

SPED	420	Collaboration with Families & Educators	3
BKED	330	Obser. & Asses. Preschool Environ.	3
HLTH	367	Health and First Aid	3
PSY	309	Educ. Psychology	3
EDUC	349	Classroom Management	2
SPED	336	Implic. Behavior Management/ Posit. Sup System	3
			17

SENIOR YEAR

SOC	401	The Family	3
EDUC	479	Multicultural Education	3
BKED	420	Preschool Curriculum Development	3
BKED	460	Iss & Trends Early Childhood Dev Ed	3
BKED	454	Inclusive Preschool Environments	3
BKED	421	Field Study-Preschool	1
			16

BKED	490	Supervised Internship	6
EDUC	400	Senior Seminar	0
BKED	480	Internship Seminar	6
			12

ELECTIVES

Hlth 373 Health in the Elementary School

Total Required Hours to Graduate – 127

MIDDLE GRADES EDUCATION 6-9

The School of Education and Psychology offers a program leading to the Bachelor of Science degree in Middle Grades Education and initial North Carolina licensure. Students majoring in Middle Grades Education are required to have an academic concentration and a specialization. The program is designed to prepare students for successful performance and teacher licensure in four academic areas within the middle grade structure of the public schools of North Carolina. Those areas are Language Arts, Social Science, Mathematics, and Science. Successful completion of these programs fulfills the requirements for the North Carolina Class A Teaching License. Courses and programs are also available for career teachers seeking teacher renewal and for students holding a baccalaureate degree who wish to obtain teacher licensure.

PROGRAM GOALS

The goals of the Middle Grades Education Program are as follows:

1. To prepare students for initial licensure in Middle Grades Education;
2. To provide courses for in-service teachers to continue and/or upgrade competencies in Middle Grades Education;
3. To prepare students to work effectively with the physical, intellectual and socio-emotional needs of the young adolescent;
4. To develop knowledge of the various theories of the teaching-learning process and their applications and to analyze, prescribe and evaluate the learning patterns of individual students;
5. To develop a knowledge of group dynamics and an understanding of group process, group decision-making, leadership skills and peer influence;
6. To prepare students to organize curriculum plans and educational activities appropriate to the Middle Grades; and
7. To comply with the guidelines, standards, competencies and policies established by the North Carolina Department of Public Instruction, the National Council for Accreditation of Teacher Education (NCATE) and the National Middle School Association (NMSA).

OBJECTIVES

The objectives of the Middle Grades Education Program are as follows:

1. To develop in all students a proficiency in Middle Grades Foundations;
2. To assist all students in understanding the developmental needs of Middle School students;
3. To prepare students to teach in two subject areas in the Middle School; and
4. To provide skills for all students for continued learning through research, skill development activities and experimental activities.

MAJOR: B.S.Ed. Degree in Middle Grades (6-9) Language Arts Concentration - Social Science Specialization

A.	**General Education Requirements**		**45**	**Sem Hrs**
	GE	102	Composition & Literature I	3
	GE	103	Composition & Literature II	3
	GE	115	College Algebra	3
	GE	122T	Freshman Seminar	1
	GE	130	Art Appreciation	2
	GE	135	Introduction to Music Literature	2
	GE	140	World Civilization I	3
	GE	141	World Civilization II	3
	GE	142	Introduction to Geography	3
	GE	152/L	Principles of Physical Science/Lab	4
	GE	155/L	Principles of Biological Science/Lab	4
	GE		Physical Education Activity (need 2)	2
	GE	185	Health Concepts	2
	GE	201	World Literature I	3
	GE	202	World Literature II	3
	EDUC	220	Sophomore Seminar	1
	PSY	212	General Psychology	3
B.	**Specialty Area Core Requirements**		**8**	**Sem Hrs**
	EDUC	203	Introduction to Computer Instructional Technology	3
	EDUC	349	Classroom Management	2
	PSY	406	Principles of Guidance	3
C.	**Professional Education Courses**		**26**	**Sem Hrs**
	EDUC	201	Foundations of Education	3
	PSY	302	Human Development	3
	PSY	309	Educational Psychology	3
	READ	320	Teaching Reading in the Content Area	2
	*EDUC	400	Senior Seminar	P/F
	EDUC	412	Middle School Methods	3
	SPED	200	Survey of Exceptional Children	3
	EDUC	479	Multicultural Education	3
	EDUC	478	Seminar in Contemporary Issues	P/F
	EDUC	437	Student Teaching	6
D.	**Language Arts Concentration**		**27**	**Sem Hrs**
	ENGL	300	Traditional Grammar	3
	ENGL	301	English Literature I	3
	ENGL	302	English Literature II	3
	ENGL	305	American Literature I	3
	ENGL	306	American Literature II	3

ENGL	322	Advanced English Grammar	3
ENGL	336	Adolescent Literature	3
ENGL	425	Shakespeare or ENGL 430-English Novel	3
SPCH	312	Oral Interpretation of Literature	3

E. Social Science Specialization ..... 18 Sem Hrs

SOC	201	Introduction to Sociology	3
HIST	255	US History to 1877	3
HIST	256	US History Since 1877	3
HIST	376	North Carolina History	3
ECON	201	Economics I	3
POLS	301	American National Government	3

Total Hours Required for Degree. ..... 124-128 Sem Hrs

* Optional to those who have passed the PRAXIS II.

CURRICULUM GUIDE MIDDLE GRADES MAJOR (6-9)
Language Arts Concentration Social Science Specialization

FRESHMAN YEAR

FIRST SEMESTER COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
GE	115	College Algebra	3
GE	122T	Freshman Seminar	1
GE	140	World Civilization I	3
GE	152/L	Prin. of Phys/Lab	4
GE		Physical Ed. Activity	1
			15

SECOND SEMESTER COURSE AND NUMBER			HRS
GE	103	Comp. and Literature II	3
GE	141	World Civilization II	3
GE	130	Art Appreciation	2
GE	185	Health Concepts	2
GE	155/L	Prin. of Bio/Lab	4
GE		Physical Ed. Activity	1
EDUC	203	Intro. to Computer Intr. Tech.	3
			18

SOPHOMORE YEAR

GE	201	World Literature I	3
EDUC	220	Sophomore Seminar	1
HIST	255	US History to 1877	3
GE	142	Intro. to Geography	3
PSY	212	General Psychology	3
SOC	201	Intro. to Sociology	3
			16

EDUC	201	Foundations of Education	3
GE	202	World Literature II	3
HIST	256	US History Since 1877	3
GE	135	Music Literature	2
ECON	201	Principles of Economics	3
HIST	376	N.C. History	3
			17

JUNIOR YEAR

SPCH	312	Oral Interp. of Literature	3
ENGL	300	Traditional Grammar	3
ENGL	305	American Literature I	3
POLS	301	Amer. National Gov.	3
READ	320	Reading, Content Area	2
ENGL	301	English Literature I	3
			17

PSY	309	Educational Psychology	3
ENGL	306	American Literature II	3
PSY	302	Human Development	3
EDUC	349	Classroom Management	2
ENGL	336	Adolescent Literature	3
			14

SENIOR YEAR

EDUC	400	*Senior Seminar	P/F
PSY	406	Principles of Guidance	3
SPED	200	Survey of Exceptional Children	3
EDUC	479	Multicultural Education	3
EDUC	412	Middle School Methods	3
ENGL	322	Advanced Grammar	3
ENGL	425	Shakespeare	3
			18

EDUC	437	O&S Student Teaching	6
EDUC	478	Seminar in Contemporary Issues	P/F
		Elective	3
			9

TOTAL HOURS 124-128

* Optional to those who have passed the PRAXIS II.

CURRICULUM GUIDE MIDDLE GRADES MAJOR (6-9)
Language Arts Concentration Social Science Specialization
LICENSURE ONLY

Professional Education Requirements			**26**	**Sem Hrs**
	EDUC	201	Foundations of Education	3
	SPED	200	Survey of Exceptional Children	3
	(Only Professional Core Course which does not require admission to Teacher Education)			
	PSY	302	Human Development	3
	PSY	309	Educational Psychology	3
	READ	320	Teaching Reading in Content Areas	2
*	EDUC	400	Senior Seminar for Education Majors	P/F
	EDUC	412	Middle School Methods	3
	EDUC	437	Observation and Supervised Teaching in Middle Grades	6
	EDUC	478	Seminar in Contemporary Educational Issues	P/F
	EDUC	479	Multicultural Education	3
Specialty Area Core Requirements			**8**	**Sem Hrs**
	EDUC	349	Classroom Management	2
	PSY	406	Principles of Guidance	3
	EDUC	203	Intro. to Computer Instructional Technology	3
Language Arts Concentration			**24**	**Sem Hrs**
	ENGL	300	Traditional Grammar	3
	ENGL	301	English Literature I	3
	ENGL	305	American Literature I	3
	ENGL	306	American Literature II	3
	ENGL	322	Advanced English Grammar	3
	ENGL	336	Adolescent Literature	3
	ENGL	425	Shakespeare or ENGL 430-English Novel	3
	SPCH	312	Oral Interpretation of Literature	3
Social Science Specialization			**18**	**Sem Hrs**
	SOC	201	Introduction to Sociology	3
	HIST	255	US History to 1877	3
	HIST	256	US History Since 1877	3
	HIST	376	North Carolina History	3
	ECON	201	Economics I	3
	POLS	301	American National Government	3
Total Hours Required for Licensure			**76**	**Sem Hrs**

* Optional to those who pass Praxis II

MAJOR: B.S.ED. DEGREE IN MIDDLE GRADES (6-9)
Mathematics Concentration Science Specialization

A.	**General Education Requirements**		**45**	**Sem Hrs**
	GE	102	Composition & Literature I	3
	GE	103	Composition & Literature II	3
	GE	115	College Algebra	3
	GE	122T	Freshman Seminar	1
	GE	130	Art Appreciation	2
	GE	135	Introduction to Music Literature	2
	GE	140	World Civilization I	3
	GE	141	World Civilization II	3
	GE	142	Introduction to Geography	3
	GE	152/L	Principles of Physical Science/Lab	4

	GE	155/L	Principles of Biological Science/Lab	4
	GE		Physical Education Activity (need 2)	2
	GE	185	Health Concepts	2
	GE	201	World Literature I	3
	GE	202	World Literature II	3
	EDUC	220	Sophomore Seminar	1
	PSY	212	General Psychology	3
B.	**Specialty Area Core Requirements**			**8** Sem Hrs
	EDUC	203	Introduction to Computer Instructional Technology	3
	EDUC	349	Classroom Management	2
	PSY	406	Principles of Guidance	3
C.	**Professional Education Courses**			**26** Sem Hrs
	EDUC	201	Foundations of Education	3
	PSY	302	Human Development	3
	PSY	309	Educational Psychology	3
	READ	320	Teaching Reading in the Content Area	2
*	EDUC	400	Senior Seminar	P/F
	EDUC	412	Middle School Methods	3
	SPED	200	Survey of Exceptional Children	3
	EDUC	479	Multicultural Education	3
	EDUC	478	Seminar in Contemporary Issues	P/F
	EDUC	437	Student Teaching	6
D.	**Mathematics Concentration**			**24** Sem Hrs
	GE	118	Precalculus	3
	CSC	115	Computer Science I	3
	MATH	157	Calculus/Analytical Geometry I	3
	MATH	158	Calculus/Analytical Geometry II	3
	STAT	251	Basic Statistics	3
	MATH	351	Linear Algebra	3
	MATH	352	College Geometry I	3
			MATH Elective	3
E.	**Science Specialization**			**20** Sem Hrs
	GE	158/L	Principles of Geological Science/Lab	4
	CHEM	101/L	General Chemistry/Lab	4
	BIOL	141/L	General Zoology/Lab	4
	ENSC	101/L	Environmental Science	4
	Elective		Strongly Recommended: PHYS 203/L	4
Total Hours Required for Degree				**124-126** Sem Hrs

* Optional to those who have passed the PRAXIS II.

CURRICULUM GUIDE MIDDLE GRADES MAJOR (6-9)
Mathematics Concentration – Science Specialization

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
GE	115	College Algebra	3
GE	122T	Freshman Seminar	1
GE	140	World Civilization I	3
GE	152/L	Prin. of Phys./Lab	4
GE		Physical Ed. Activity	1
			15

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE	103	Comp. and Literature II	3
GE	118	Precalculus	3
GE	130	Art Appreciation	2
GE	141	World Civilization II	3
GE	155/L	Prin. of Bio/Lab	4
GE		Physical Ed. Activity	1
			16

SOPHOMORE YEAR

GE	201	World Literature I	3
EDUC	220	Sophomore Seminar	1
CHEM	101/L	General Chemistry I/Lab	4
GE	142	Intro. to Geography	3
CSC	111	Intro. to Computer Science	3
MATH	157	Calc./Analy Geometry I	3
			17

GE	185	Health Concepts	2
GE	135	Intro. to Music Lit.	2
GE	202	World Literature II	3
GE	158/L	Prin. of Geological Science/Lab	4
MATH	158	Calc./Analy. Geometry II	3
PSY	212	General Psychology	3
			17

JUNIOR YEAR

PSY	302	Human Development	3
ENSC	101/L	General Environmental Science	4
STAT	251	Basic Statistics	3
EDUC	201	Foundations of Education	3
READ	320	Reading, Content Area	2
EDUC	349	Classroom Management	2
			17

PSY	309	Educational Psychology	3
MATH	352	College Geometry	3
MATH	351	Linear Algebra	3
BIOL	141/L	General Zoology	4
Elective	**	Science Elective	3-4
			16-17

SENIOR YEAR

EDUC	400	*Senior Seminar	P/F
PSY	406	Principles of Guidance	3
SPED	200	Survey of Exceptional Children	3
EDUC	479	Multicultural Education	3
EDUC	412	Middle School Methods	3
Elective		Math Elective	3
			15

EDUC	437	O&S Student Teaching	6
EDUC	478	Seminar in Contemp. Ed. Issues	P/F
		Elective	4-6
			10-12

TOTAL HOURS 124-126

* Optional to those who have passed the PRAXIS II.

** PHYS 203/L - Astronomy is *STRONGLY RECOMMENDED.*

CURRICULUM GUIDE MIDDLE GRADES MAJOR (6-9)
Mathematics Concentration Science Specialization
LICENSURE ONLY

Professional Education Requirements ..... 26 Sem Hrs

EDUC	201	Foundations of Education	3
SPED	200	Survey of Exceptional Children	3

(Only Professional Core Course which does not require admission to Teacher Education)

PSY	302	Human Development	3
PSY	309	Educational Psychology	3
READ	320	Teaching Reading in Content Areas	2
EDUC	400	Senior Seminar for Education Majors	P/F
EDUC	412	Middle School Methods	3

EDUC	437	Observation and Supervised Teaching in Middle Grades	6
EDUC	478	Seminar in Contemporary Educational Issues	P/F
EDUC	479	Multicultural Education	3

Specialty Area Core Requirements ..... 8 Sem Hrs

EDUC	349	Classroom Management	2
PSY	406	Principles of Guidance	3
EDUC	203	Intro. to Computer Instructional Technology	3

Mathematics Concentration ..... 24 Sem Hrs

GE	115	College Algebra	3
GE	118	Precalculus	3
CSC	115	Computer Science I	3
MATH	157	Calculus/Analytical Geometry I	3
MATH	158	Calculus/Analytical Geometry II	3
STAT	251	Basic Statistics I	3
MATH	351	Linear Algebra	3
MATH	352	College Geometry I	3

Science Specialization ..... 24 Sem Hrs

GE	152/L	Principles of Physical Science/Lab	4
GE	155/L	Principles of Biology/Lab	4
GE	158/L	Principles of Geological Science/Lab	4
CHEM	101/L	General Chemistry/Lab	4
ENSC	101/L	General Environmental Science/Lab	4
BIOL	141/L	General Zoology/Lab	4

Total Hours Required for Licensure ..... 82 Sem Hrs

PHYS 203/L Astronomy: Strongly Recommended

MAJOR: B.S.Ed. Degree in Middle Grades (6-9) Science Concentration - Mathematics Specialization

A. General Education Requirements ..... 45 Sem Hrs

GE	102	Composition & Literature I	3
GE	103	Composition & Literature II	3
GE	115	College Algebra	3
GE	122T	Freshman Seminar	1
GE	130	Art Appreciation	2
GE	135	Introduction to Music Literature	2
GE	140	World Civilization I	3
GE	141	World Civilization II	3
GE	142	Introduction to Geography	3
GE	152/L	Principles of Physical Science/Lab	4
GE	155/L	Principles of Biological Science/Lab	4
GE		Physical Education Activity (need 2)	2
GE	185	Health Concepts	2
GE	201	World Literature I	3
GE	202	World Literature II	3
EDUC	220	Sophomore Seminar	1
PSY	212	General Psychology	3

B. Specialty Area Core Requirements ..... 8 Sem Hrs

EDUC	203	Introduction to Computer Instructional Technology	3
EDUC	349	Classroom Management	2
PSY	406	Principles of Guidance	3

C.	**Professional Education Courses**		**26**	**Sem Hrs**
	EDUC	201	Foundations of Education	3
	PSY	302	Human Development	3
	PSY	309	Educational Psychology	3
	READ	320	Teaching Reading in the Content Area	2
*	EDUC	400	Senior Seminar	P/F
	EDUC	412	Middle School Methods	3
	SPED	200	Survey of Exceptional Children	3
	EDUC	479	Multicultural Education	2
	EDUC	478	Seminar in Contemporary Issues	P/F
	EDUC	437	Student Teaching	6
D.	**Science Concentration**		**27**	**Sem Hrs**
	GE	158/L	Principles of Geological Science/Lab	4
	CHEM	101/L	General Chemistry/Lab	4
	BIOL	141/L	General Zoology/Lab	4
	ENSC	101/L	General Environmental Science/Lab	4
		**	Science Course	4
		***	Science Course Elective	4
			Elective	3
E.	**Math Specialization**		**18**	**Sem Hrs**
	GE	118	Precalculus	3
	CSC	115	Computer Science I	3
	MATH	157	Calculus/Analytical Geometry I	3
	MATH	158	Calculus/Analytical Geometry II	3
	STAT	251	Basic Statistics I	3
	MATH	352	College Geometry I	3
Total Hours Required for Degree			**124**	**Sem Hrs**

* Optional to those who have passed the PRAXIS II.
** Student has the choice of GEOL 142/L -*OR*- BIOL 142/L -*OR*- CHEM 102/L
*** *Strongly Recommended*: PHY 203/L - Astronomy (4 semester hours)

CURRICULUM GUIDE MIDDLE GRADES MAJOR (6-9)
Science Concentration Mathematics Specialization

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
GE	115	College Algebra	3
GE	122T	Freshman Seminar	1
GE	140	World Civilization I	3
GE	158L	Prin. of Geological Science/Lab	4
GE		Physical Ed. Activity	1
			15

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE	103	Comp. and Literature II	3
GE	118	Pre-Calculus	3
GE	130	Art Appreciation	2
GE	141	World Civilization II	3
GE	155/L	Prin. of Bio/Lab	4
GE		Physical Ed. Activity	1
			16

SOPHOMORE YEAR

GE	201	World Literature I	3
EDUC	220	Sophomore Seminar	1
CHEM	101/L	General Chemistry I/Lab	4
GE	142	Intro. to Geography	3
PSY	212	General Psychology	3
MATH	157	Calc./Analy. Geometry I	3
			17

GE	185	Health Concepts	2
GE	135	Intro. to Music Lit.	2
GE	202	World Literature II	3
GE	152/L	Prin. of Physical Sci/Lab	4
MATH	158	Calc./Analy. Geometry II	3
EDUC	203	Intro. to Computer Instr. Tech.	3
			17

JUNIOR YEAR

PSY	302	Human Development	3
BIOL	141/L	General Zoology	4
STAT	251	Basic Statistics I	3
EDUC	201	Foundations of Education	3
READ	320	Reading Content Area	2
EDUC	349	Classroom Management	2
			17

PSY	309	Educational Psychology	3
MATH	352	College Geometry	3
		** Required Science Course	4
		Elective (Recommended: Math)	3
		*** Science Elective	3-4
			16-17

SENIOR YEAR

EDUC	400	* Senior Seminar	P/F
PSY	406	Principles of Guidance	3
SPED	200	Survey of Exceptional Children	3
EDUC	479	Multicultural Education	3
EDUC	412	Middle School Methods	3
ENSC	101/L	Environmental Science	4
			16

EDUC	437	O&S Student Teaching	6
EDUC	478	Seminar in Contemp. Ed. Issues	P/F
		Elective	4-6
			10-12

TOTAL HOURS 124-127

* Optional to those who have passed the PRAXIS II.
** Students have a choice between GEOL 145/L, GEOL 142/L, and CHEM 102/L.
*** PHYS 203/L - Astronomy is *STRONGLY RECOMMENDED.*

CURRICULUM GUIDE MIDDLE GRADES MAJOR (6-9)
Science Concentration – Mathematics Specialization
LICENSURE ONLY

Professional Education Requirements ..... 26 Sem Hrs

EDUC	201	Foundations of Education	3
SPED	200	Survey of Exceptional Children	3

(Only Professional core Course which does not require admission to Teacher Education)

PSY	302	Human Development	3
PSY	309	Educational Psychology	3
READ	320	Teaching Reading in Content Areas	2
EDUC	400	Senior Seminar for Education Majors	P/F
EDUC	412	Middle School Methods	3
EDUC	437	Observation and Supervised Teaching in Middle Grades	6
EDUC	478	Seminar in Contemporary Education Issues	P/F
EDUC	479	Multicultural Education	3

Specialty Area Core Requirements ..... 8 Sem Hrs

EDUC	349	Classroom Management	2
PSY	406	Principles of Guidance	3
EDUC	203	Intro. to Computer Instructional Technology	3

Science Concentration ..... 28 Sem Hrs

GE	152/L	Principles of Physical Science/Lab	4
GE	155/L	Principles of Biology Science/Lab	4
GE	158/L	Principles of Geological Science/Lab	4
CHEM	101/L	General Chemistry/Lab	4
ENSC	101/L	General Environmental Science/Lab	4
BIOL	141/L	General Zoology/Lab	4
		* Science Course	4

Mathematics Specialization			**18**	**Sem Hrs**
	GE	118	Precalculus	3
	CSC	115	Computer Science I	3
	MATH	157	Calculus/Analytical Geometry I	3
	MATH	158	Calculus/Analytical Geometry II	3
	STAT	251	Basic Statistics I	3
	MATH	352	College Geometry I	3
Total Hours Required for Licensure			**80**	**Sem Hrs**

* Students choose from GEOL 142/L, or BIOL 142/L, or CHEM 102/L – PHYS 203/L Astronomy: *Strongly Recommended*

MAJOR: B.S.Ed. Degree in Middle Grades (6-9) Social Science Concentration Language Arts Specialization

A.	**General Education Requirements**		**45**	**Sem Hrs**
	GE	102	Composition & Literature I	3
	GE	103	Composition & Literature II	3
	GE	115	College Algebra	3
	GE	122T	Freshman Seminar	1
	GE	130	Art Appreciation	2
	GE	135	Introduction to Music Literature	2
	GE	140	World Civilization I	3
	GE	141	World Civilization II	3
	GE	142	Introduction to Geography	3
	GE	152/L	Principles of Physical Science/Lab	4
	GE	155/L	Principles of Biological Science/Lab	4
	GE		Physical Education Activity (need 2)	2
	GE	185	Health Concepts	2
	GE	201	World Literature I	3
	GE	202	World Literature II	3
	EDUC	220	Sophomore Seminar	1
	PSY	212	General Psychology	3
B.	**Specialty Area Core Requirements**		**8**	**Sem Hrs**
	EDUC	203	Introduction to Computer Instructional Technology	3
	EDUC	349	Classroom Management	2
	PSY	406	Principles of Guidance	3
C.	**Professional Education Courses**		**26**	**Sem Hrs**
	EDUC	201	Foundations of Education	3
	PSY	302	Human Development	3
	PSY	309	Educational Psychology	3
	READ	320	Teaching Reading in Content Area	2
	*EDUC	400	Senior Seminar (Optional with Pre-test)	P/F
	EDUC	412	Middle School Methods	3
	SPED	200	Survey of Exceptional Children	3
	EDUC	479	Multicultural Education	3
	EDUC	478	Seminar in Contemporary Issues	P/F
	EDUC	437	Observation and Supervised Teaching	6
D.	**Social Science Concentration**		**27**	**Sem Hrs**
	HIST	250	African-American History	3
	HIST	255	US History to 1877	3
	HIST	256	US History Since 1877	3
	HIST	376	North Carolina History	3

HIST	385	Modern European History *or* HIST 386 Europe Since 1914	3
ECON	201	Principles of Economics I	3
POLS	301	American National Government	3
POLS	304	State and Local Government	3
SOC	201	Introduction to Sociology	3

E. Language Arts Specialization ..... 18 Sem Hrs

ENGL	300	Traditional Grammar	3
ENGL	301	English Literature I	3
ENGL	302	English Literature II	3
ENGL	305	American Literature I	3
ENGL	306	American Literature II	3
ENGL	336	Adolescent Literature	3

Total Hours Required for Degree ..... 124 Sem Hrs

*Optional to those who have passed the PRAXIS II.

CURRICULUM GUIDE – MIDDLE GRADES MAJOR (6-9)
Social Science Concentration – Language Arts Specialization

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
GE	115	College Algebra	3
GE	122T	Freshman Seminar	1
GE	140	World Civilization I	3
GE	152L	Prin. of Phys./Lab	4
GE		Physical Ed. Activity	1
			15

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE	103	Comp. and Literature II	3
GE	141	World Civilization II	3
GE	130	Art Appreciation	2
GE	185	Health Concepts	2
GE	155/L	Prin. of Bio/Lab	4
GE		Physical Ed. Activity	1
EDUC	203	Intro. to Computer Instr. Tech.	3
			18

SOPHOMORE YEAR

GE	201	World Literature I	3
EDUC	220	Sophomore Seminar	1
HIST	255	US History to 1877	3
GE	142	Intro. to Geography	3
PSY	212	General Psychology	3
SOC	201	Intro. to Sociology	3
			16

EDUC	201	Foundations of Education	3
GE	202	World Literature II	3
HIST	256	US History Since 1877	3
GE	135	Intro. to Music Lit.	2
HIST	250	African-American History	3
ECON	201	Principles of Economics	3
			17

JUNIOR YEAR

PSY	302	Human Development	3
ENGL	305	American Literature I	3
POLS	301	American National Government	3
ENGL	300	Traditional Grammar	3
ENGL	301	English Literature I	3
EDUC	349	Classroom Management	2
			17

PSY	309	Educational Psychology	3
ENGL	306	American Literature II	3
HIST	376	N.C. History	3
POLS	304	State & Local Government	3
ENGL	302	English Literature II	3
ENGL	336	Adolescent Literature	3
			18

SENIOR YEAR

EDUC	400	*Senior Seminar	1
PSY	406	Principles of Guidance	3
SPED	200	Survey of Exceptional Children	3
EDUC	479	Multicultural Education	3
EDUC	412	Middle School Methods	3
READ	320	Reading, Content Area	2
HIST	385	**Modern European History	3
			18

EDUC	437	O&S Student Teaching	6
EDUC	478	Seminar in Contemp. Ed. Issues	P/F
		Elective	4-6
			10-12

TOTAL HOURS 125-127

* Optional to those who have passed the PRAXIS II.

** Students may select either HIST 385-Modern European History - *OR* - HIST 386-Europe Since 1914

CURRICULUM GUIDE MIDDLE GRADES MAJOR (6-9)
Social Science Concentration–Language Arts Specialization
LICENSURE ONLY

Professional Education Requirements ..... 26 Sem Hrs

EDUC	201	Foundations of Education	3
SPED	200	Survey of Exceptional Children	3
		(Only Professional core Course which does not require admission to Teacher Education)	
PSY	302	Human Development	3
PSY	309	Educational Psychology	3
READ	320	Teaching Reading in Content Areas	2
EDUC	400	Senior Seminar for Education Majors	P/F
EDUC	412	Middle School Methods	3
EDUC	437	Observation and Supervised Teaching in Middle Grades	6
EDUC	478	Seminar in Contemporary Education Issues	P/F
EDUC	479	Multicultural Education	3

Specialty Area Core Requirements ..... 8 Sem Hrs

EDUC	349	Classroom Management	2
PSY	406	Principles of Guidance	3
EDUC	203	Intro. to Computer Instructional Technology	3

Social Science Concentration ..... 24 Sem Hrs

SOC	201	Introduction to Sociology	3
HIST	250	Afro-American History	3
HIST	255	US History to 1877	3
HIST	256	US History Since 1877	3
HIST	376	NC History	3
HIST	385	Mod. European History ***or*** HIST 386 Europe Since 1914	3
ECON	201	Economics I	3
POLS	301	American National Government	3

Language Arts Specialization ..... 18 Sem Hrs

ENGL	300	Traditional Grammar	3
ENGL	301	English Literature I	3
ENGL	302	English Literature II	3
ENGL	305	American Literature I	3
ENGL	306	American Literature II	3
ENGL	336	Adolescent Literature	3

Total Hours Required for Licensure ..... 76 Sem Hrs

SPECIAL EDUCATION K–12 (PENDING APPROVAL)

The School of Education and Psychology offers a program leading to the Bachelor of Science, with a major in Special Education, and initial North Carolina Licensure in Special Education: General Curriculum. Practicum opportunities and experiences in public schools and other related agencies and environments are provided and integrated with academic instruction. A minimum of 124 semester hours is required to complete the Program.

Students who are planning to major in Special Education beginning Fall '04 will be required to follow the new curriculum being implemented as a result of changes in state licensure requirements. At the time of publication of this catalog, the new curriculum was in the final stages of development. Guidelines regarding the new curriculum will be available in the Office of Teacher Education, and from the special education advisors.

During this time of transition, students are expected to maintain close contact with their advisors.

PROGRAM GOALS

The goals of the Special Education Program are:

1. To provide an instructional program that reflects "best practices" in special education and teacher preparation in general.
2. To comply with the guidelines, standards, competencies, policies, etc., established by the National Council for Accreditation of Teacher Education (NCATE), the Council for Exceptional Children (CEC), the North Carolina Professional Teaching Standards Commission, the North Carolina ABC Plus Accountability Outcomes, the U.S. Department Education's Accountability Standards established by the Leave No Child Behind legislation, and the North Carolina Department of Public Instruction (NCDPI).
3. To provide an instructional program that incorporates technologies, research-validated instruction, behavior support, and advanced methodologies that will enhance learning and the delivery of services to students with disabilities.

OBJECTIVES

The Program in Special Education: General Curriculum is designed to prepare students to meet the following standards:

1. Teachers have knowledge base for each of the basic skills in language arts and mathematics.
2. Teachers have broad and working knowledge of research-based learning strategies and their relationship to the learning of individual students.
3. Teachers teach students to use behaviors that promote success in the learning environment.
4. Teachers organize effective student learning environments.
5. Teachers use a variety of assessment techniques to determine instructional content, instructional procedures, and documentation of student learning and progress.
6. Teachers explicitly teach research-validated instructional and behavior strategies to facilitate learning across the curriculum.
7. Teachers use systematic, explicit, multi-sensory methods to teach reading, written expression, and mathematics.

8. Teachers use knowledge about cultural, socio-economic and family dynamics to guide instructional and/or management planning and selection of teaching techniques.
9. Teachers know the process and procedures for providing special education services.
10. Teachers collaborate and consult with general education teachers, parents and other professionals.
11. Teachers pursue continued professional development and learning to improve schools and advance knowledge.

MAJOR: B.S.Ed. Degree in Special Education General Curriculum

A.	**General Education Core**		**43**	**Sem Hrs**
B.	**Specialty Area Course Requirements**		**41**	**Sem Hrs**
	SPED	315	Communication for Special Ed. Teachers/Elective	3
	SPED	334	Assessment	3
	SPED	346	Introduction to Special Education	3
	SPED	347	Practicum I	2
	SPED	349	Practicum II	2
	SPED	370	Implementing Positive Support Systems	3
	SPED	380	Assessing & Teaching Reading	3
	SPED	402	Learning Strategies for Math and Writing	3
	SPED	403	Collaboration w/Families and Educators	3
	SPED	493	Practicum III	2
	EDUC	202	Music & Art in the Classroom	2
	EDUC	203	Intro to Computer Instructional Technology	3
	HIST	376	History of North Carolina/Elective	3
	PE	470	Adaptive PE	3
	READ	310	Elementary Reading & Language Arts	3
C.	**Professional Core Requirements**		**22**	**Sem Hrs**
	EDUC	201	Foundations of Education	3
	EDUC	400	Senior Seminar	P/F
	EDUC	468	Teaching Methods for Students in Inclusive Clsrm	4
	EDUC	473	Student Teaching	6
	EDUC	478	Seminar in Contemporary Educational Issues	P/F
	EDUC	479	Multicultural Education	3
	PSY	302	Human Development	3
	PSY	309	Educational Psychology	3
D.	**Additional Recommended Courses**		**21**	**Sem Hrs**
Total Hours Required for Degree			**124-127**	**Sem Hrs**

CURRICULUM GUIDE FOR MAJORS IN SPECIAL EDUCATION
(Elementary Education Emphasis)
GENERAL CURRICULUM

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
GE	140	World Civilization I	3
GE	152/L	Prin. of Physical Sci./Lab or	4
GE	152/L	Prin. of Bio. Sci./Lab	
GE		Physical Education	1
MATH		Number Systems & Algebra	1
GE	130	Art Appreciation	3
GE	122	Freshman Seminar	1
			17

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE	103	Comp. and Literature II	3
GE	141	World Civilization II	3
GE	142	Intro. to Geography	3
GE		Physical Ed. Activity	1
GE	185	Health Concepts	2
GE	135	Introduction to Music	2
MATH	122	Geo and Data	3
			17

SOPHOMORE YEAR

GE	201	World Lit I	3
PSY	212	Gen. Psychology	3
EDUC	201	Found. of Education	3
SPED	315	Communications for Special Ed. Teachers or Elective	3
EDUC	202	Music and Art in the Classroom	2
ENCL	319	Children's Literature/Elective	3
			17

GE	202	World Literature II	3
EDUC	220	Sophomore Seminar	1
SPED	346	Introduction to Special Ed. Laws, Identification Services & Evaluation	3
HIST	376	History of NC	3
EDUC	203	Intro to Computer Instructional Tech	3
SPCH	300	Practicum I	2
HLTH	373	Health in the Elem. Schools	2
			17

JUNIOR YEAR

PSY	302	Human Development	3
PSY	309	Ed. Psychology	3
SPED	380	Assessing & Teaching Reading	3
SPED	334	Assessment	3
EDUC	479	Multicultural Education	3
		Elective	3
			18

READ	310	Elem. Reading & Language Arts	3
SPED	403	Collaboration w/families Educators	3
SPED	370	Implementing Positive Support Service	3
SPED	402	Learning Strategies for Math & Writing	3
SPED	349	Practicum II	2
PE	470	Adaptive PE	3
			17

SENIOR YEAR

*EDUC	400	Senior Seminar	P/F
EDUC	468	Teaching Methods for Students in Inclusive Classroom	4
EDUC	434	Teach Science in Elem. School	3
EDUC	436	Teach Social Studies in Elem. School	3
SPED	493	Practicum III	2
EDUC	431	Teaching Math in Elem. School	3
			15

EDUC	473	Student Teaching	6
EDUC	478	Seminar in Contemporary Ed. Issues	P/F
EDUC	499	Problems in Education (Optional)	1-3
			7-9

TOTAL HOURS 126

Total Hours Needed for Degree – 124

* Optional to those who have pass the Pre-test.

Electives must be approved by Advisor.

During the first semester of the senior year, students are required to complete an all day observation in an assigned public school. The observation should be scheduled on Wednesdays. Please see advisor for additional information.

LICENSURE ONLY
SPECIAL EDUCATION GENERAL CURRICULUM
COURSE REQUIREMENTS

Specialty Area Course Requirements		**33**	**Sem Hrs**
SPED	334	Assessment	3
SPED	346	Introduction to Special Education	3
SPED	347	Practicum I	2
SPED	349	Practicum II	2
SPED	370	Implementing Positive Support Systems	3
SPED	380	Assessing & Teaching Reading	3
SPED	402	Learning Strategies for Math and Writing	3
SPED	403	Collaboration w/Families Educators	3
SPED	493	Practicum III	2
EDUC	203	Intro to Computer Instructional Technology	3
HIST	376	History of North Carolina/Elective	3
READ	310	Elementary Reading & Language Arts	3
Professional Core Requirements		**22**	**Sem Hrs**
EDUC	201	Foundations of Education	3
EDUC	400	Senior Seminar	P/F
EDUC	468	Teaching Methods for Students in Inclusive Clsrm	4
EDUC	473	Student Teaching	6
EDUC	478	Seminar in Contemporary Ed. Issues	P/F
EDUC	479	Multicultural Education	3
PSY	302	Human Devçlopment	3
PSY	309	Educational Psychology	3
Total Hours Required for Licensure		**55**	**Sem Hrs**

PRIMARY MAJORS WITH ACADEMIC CONCENTRATION

PRIMARY MAJORS	ACADEMIC CONCENTRATION
Elementary Education	Art
	English
	General Science
	Mathematics
	Music
	Psychology
	Social Studies
Physical Education & Health	Biology
	Psychology
Special Education	Art
	English
	Music
	Psychology
	Social Sciences

REQUIRED COURSES FOR ACADEMIC CONCENTRATION

Listed below are the required courses for each academic concentration

ART

ART	100	Foundations of Art	(3)
ART	110	Color and Design	(3)
ART	102	Drawing I	(3)
ART	220	Painting I or	
ART	340	Photography I	(3)
ART	230	Sculpture I or	
ART	350	Ceramics I	(3)
ARTH		Art History Elective	(3)
ARTH		Art History Elective	(3)
		Art Elective	(3)
		Art Elective	(3)

BIOLOGY

BIOL	202	General Physiology	(3)
BIOL	301	General Ecology	(3)
BIOL	341	Microbiology/Lab	(3)
BIOL	380	Cell Biology	(3)
BIOL	210	Genetics	(3)

ENGLISH

ENGL	300	Traditional Grammar	(3)
ENGL	301	English Literature I	(3)
ENGL	302	English Literature II	(3)
ENGL	305	American Literature I	(3)
ENGL	306	American Literature II	(3)
ENGL	317	Advanced Composition	(3)
ENGL	327	*History of the English Language	(3)
ENGL	430	The English Novel	(3)

GENERAL SCIENCE

GE	158/L	Principles of Geological Science/Lab	(4)
ENSC	101/L	General Environmental Science/Lab	(4)
CHEM	101/L	General Chemistry/Lab	(4)
CHEM	102/L	General Chemistry II/Lab	(4)
BIOL	141/L	General Zoology/Lab	(4)
BIOL	350	Intro. to Experimental Methods	(2)

MATHEMATICS

MATH	157	Calculus and Analytic Geometry I	(3)
MATH	158	Calculus and Analytic Geometry II	(3)
MATH	256	Calculus and Analytic Geometry III	(3)
MATH	257	Calculus and Analytic Geometry IV..	(3)
MATH	351	Modern Geometry I	(3)
MATA	262	Discrete Methods	(3)
MATA	462	Math Modeling	(3)
		* Mathematics Elective	(3)

MUSIC

MUS	103	Aural Skills I	(1)
MUS	104	Aural Skills II	(1)
MUS	108	Music Theory I	(2)
MUS	109	Music Theory II	(2)
MUS	203	Aural Skills III	(1)
MUS	208	Music Theory III	(2)
MUS	305	**Music History I	(3)
MUS	306	Music History II	(3)
MUS	338	Conducting	(1)
MUSA		Principal Instrument Instruction	(4)
MUS		Ensemble	(2)
		Music Electives	(5)

PSYCHOLOGY

PSY	212	***General Psychology	(3)
PSY	250	Developmental Psychology	(3)
PSY	300	Statistics and Research Design	(3)
PSY	311	Psychological Tests & Measurements	(3)
PSY	350	Experimental Psychology	(3)
PSY	400	Sensation & Perception	(3)
PSY	450	Learning & Cognition	(3)
PSY	490	Senior Seminar in Psychology	(3)

SOCIAL SCIENCES

HIST	255	American History to 1877	(3)
HIST	256	American History Since 1877	(3)
HIST	376	History of North Carolina	(3)
POLS	301	American National Government	(3)
POLS	303	Political Theory or	
POLS	305	Political Theory II	(3)
SOC	201	Intro. to Sociology	(3)
HIST	250	Afro-American History ***or***	
SOC	202	Social Problems ***or***	
SOC	305	Sociology of the Afro-American ***or***	
SOC	360	Social Psychology	(3)
GE	142	Intro. to Geography	(3)

MATHEMATICS CONCENTRATION FOR ELEMENTARY EDUCATION

GE	115	College Algebra	(3)
GE	118	Precalculus	(3)
STAT	251	Basic Statistics	(3)
MATH	121	Number Systems and Algebra	(3)
MATH	122	Geometry and Data Analysis	(3)
MATH	153	Differential and Integral Calculus for Non-Science Majors ***or***	
MATH	454	History of Mathematics	(3)

AND *one additional course chosen from among the following:*

STAT	252	Applied Statistics	(3)
CSC	115	Computer Science I or	
CSC	214	Fortran Programming	(3)
MATH	350	Number Theory	(3)
MATH	352	College Geometry I	(3)

* Alternate courses within the discipline or tangent areas (News Media, Speech Pathology or Drama) will be accepted for individuals seeking some courses (9 semester hours) reflecting specialized interests.

** Substitute for GE 135 Intro. to Music Literature

*** PSY 212 General Psychology is part of General Studies requirements for all teaching majors

PROFESSIONAL EDUCATION SEQUENCE
MINOR IN SECONDARY EDUCATION

Students preparing to teach in secondary schools (9–12) will complete a major in one or more of the basic academic disciplines other than Education and pursue a minor in Secondary Education. Curriculum checksheets, available from advisors and Chairpersons of the academic Departments, will provide the programs of study.

The requirements for the secondary teaching license are outlined as follows:

MINOR: Secondary Education

A.	**Core Requirements**		**26**	**Sem Hrs Minimum**
	EDUC	201	Foundations of Education	3
	PSY	302	Human Development	3
	PSY	309	Educational Psychology	3
	READ	320	Teaching Reading in Content Areas	2
	* EDUC	400	Senior Seminar for Education Majors	P/F
	EDUC	430	Secondary Instructional Methods (9–12)	3
	EDUC		Observation and Supervised Teaching in the Academic Discipline	6
	SPED	200	Survey of Exceptional Children	3
	** EDUC	478	Seminar in Contemporary Educational Issues	P/F
	EDUC	479	Multicultural Education	3
	Total Hours Required for Minor		**26**	**Sem Hrs**

* Optional to those who pass the PRAXIS II.
** Optional, unless otherwise stipulated by respective Department.

BIRTH - KINDERGARTEN

BKED 215: Special Needs Field Study (3)
Prerequisite. Admission to Teacher Education Program and BK Preschool Inclusive Environments. Provides students with the opportunities for hands on experiences with young children and their families in a variety of inclusive early learning settings including preschools, public schools, childcare centers and under the supervision of licensed service providers. Requirement for all B-K students.

BKED 305: Early Childhood Literacy Development (3)
Prerequisite: Admission to Teacher Education Program. Provides students with a knowledge base of theory and research, which has influenced emergent literacy. Individual needs will gauge developmentally appropriate literacy activities. Print rich environments, the roles of supportive adults and the importance of multicultural awareness will be included.

BKED 325: Infant and Toddler Curriculum and Environments (3)
Prerequisite: Admission to Teacher Education Program. Required for all B-K student Focus on the theories of growth and development for infants and toddlers (birth-2.9 years). The course provides students the understanding and the skills necessary to implement an effective infant and toddler program. Focus on developmentally appropriate curriculum and environments, developing and implementing child centered and and-biased curriculum, program assessments, child, parent teacher initiated activities. Activities include lecture 1 discussion, demonstration, individual and group projects REQUIRED FOR PRESCHOOL ADD-ON LICENSE

BKED 326: Infant and Toddler Field Study (1)
Prerequisite: Admission to Teacher Education Program and Infant and Toddler Curriculum and Environments. This course is a clinical field experience designed to compliment BK Infant and Toddler Curriculum. This practical experience reinforces and enhances concepts brought forth from the course. The student is expected to participate in the daily routine of the program and to maintain a journal on an infant and a toddler under the supervision of licensed service providers. Requirement for all B-K students.

BKED 330: Child Observation and Assessment (3)
Prerequisite: Admission to Teacher Education Program. Provides students with a wide variety of child and family assessment skills, formal and informal. Assessment methods include, systematic observation, rating scales, anecdotal and portfolio records. Cultural and special needs aspects are included in assessment methods. Ten observation hours, in an early learning setting, is a requirement for this course. REQUIREMENT FOR PRESCHOOL ADD-ON LICENSE

BKED 420: Preschool Curriculum (3)
Prerequisite: Admission to Teacher Education Program. Emphasis on growth and development theories and their relationship to cognitive, physical, social, emotional and linguistic development for all children (at risk, children with and without disabilities). Focus on curriculum development and implementation, the teacher's role, the physical environment. This course examines an integrated curriculum approach. (Emergent curriculum, project approach) Focus on anti-bias curriculum development. Activities includes lecture, discussion, small and large group projects, and presentations. REQUIREMENT FOR PRESCHOOL ADD-ON LICENSE

BKED 421: Preschool Field Study (1)
Prerequisite: Admission to Teacher Education Program, and BK Preschool Curriculum. This course is a clinical field experience designed to compliment BK Preschool Curriculum. The B-K student will be placed in a private or public early learning setting. The student will participate in lesson planning. The practical experience reinforces observing and reflecting on teacher practice under the supervision of licensed service providers. Requirement for all B-K

BKED 454: Inclusive Preschool Environments (3)
Prerequisite: Admission to Teacher Education Program. Focus on children's competence, integrated and ongoing inclusion of children with special needs. The concept of reflective thinking is introduced. The course presents theoretical and philosophical foundations for effective early childhood programs. REQUIREMENT FOR PRESCHOOL ADD-ON LICENSE

BKED 460: Issues And Trends In Early Childhood Education (3)
Prerequisite: Admission to Teacher Education Program and completion of all specialty area courses. A 2.5 GPA on all work at ECSU is required. Co requisite is BK Internship. An upper level course that focuses on a global perspective of economic and social contexts the preschool child, including public policy questions and implications for decisions. Examination of the role of the early childhood educator as a professional.

BKED 480: Seminar (6)
The Seminar is taken in conjunction with BK Student Teaching. Students will be expected to participate in discussions that focus on the student teaching experience. Topics included professionalism, reflective practice, observing and assessing children, diversity etc.

BKED 490: Student Teaching (6)
Prerequisite: Admission to Teacher Education Program and all required major courses. A semester long teaching experience in an early learning setting. Student is expected to facilitate large and small group activities, develop and implement curriculum, follow the routine of the daily schedule under the supervision of licensed service providers.

EDUCATION

EDUC 201: Foundations of Education (3) (F;S)
A survey of the historical, philosophical, sociological, psychological, and curricular aspects of American education. It is through a study of the foundations of American education that the school's role in society and its responsibility to help solve our nation's social problems are made clear to students. Thus, students develop an understanding of the structure and mission of present-day schools. They also learn to appreciate the historical significance of education and begin to formulate their own understanding of the professional aspects of teaching. This will enable them to make sound decisions relative to the delivery of instruction. Emphasis is upon teaching as a profession. Use of technology is required for investigation and presentation. Twenty-five hours of field experience is required for licensure-only candidates.

EDUC 202: Music and Art in the Classroom (2) (F;S)
Designed to acquaint the student with techniques and strategies in art and music and how to integrate arts instruction with other areas. Emphasizes making decisions about adapting these skills to the individual needs of students.

EDUC 203: Introduction to Computer Instructional Technology (3) (F;S)
This course is designed to provide preservice teachers with an introduction to the instructional use of technology. Emphasis is placed on current computer competencies as set forth by the North Carolina Department of Public Instruction and standards of the International Society for Technology in Education.

EDUC 349: Classroom Management Techniques (2) (F;S)
This course is a study in the key areas of creating a well-managed classroom. These areas include making decisions (proactive) before the year begins, implementing the plan, and maintaining and revising management procedures throughout the year. Students will review different management styles and models and decide which are compatible with their personality traits. Classroom observation required. Prerequisite: EDUC 201; Admission to Teacher Education.

EDUC 400: Senior Seminar for Education Majors (P/F) (F;S)
Review course designed for the prospective teacher preparing for the Specialty Area PRAXIS series. Emphasis is given to specific professional competencies, test-taking skills, and use of appropriate computer applications. Prerequisites: EDUC 201; PSY 302 and 309; READ 310, 320; Methods; Admission to Teacher Education.

EDUC 411: Methods and Materials in Teaching Business Subjects (3) (F;S)
Provides a study of objectives, materials, and methods of teaching business subjects in secondary schools. Emphasis is upon lesson planning, new classroom procedures and techniques, classroom management, and tests. Use of audiovisual aids as well as computer technology is emphasized in instructional decision making. Professional laboratory experiences in high schools are required. Pre-requisites: All required professional education courses completed with a minimum grade of "C" in each. Consent of the Department Chairperson; Admission to Teacher Education.

EDUC 412: The Middle School; Methods, Materials and Observation (3) (F)
Integrated methods course designed to meet the developmental needs of youth in various subjects in the curriculum of middle schools. Objectives, principles, practices of instruction, classroom techniques and procedures are all covered; selection and use of instruments for evaluating achievement and measuring growth are covered. Study of traditional and new techniques and innovations, including unit planning, team teaching, non-graded arrangements, and appropriate computer applications. Directed laboratory experiences in public schools. Classroom observation required. Prerequisites: PSY 302, 309; Admission to the Teacher Education Program.

EDUC 413: Instructional Methods in the Elementary Curriculum (K–6) (3) (F;S)

This is an integrated methods course designed to meet the developmental needs of children in the various subject areas found in the elementary school curriculum (K-6). It includes discussion of current research and practice relative to teaching/learning objectives, planning, principles, instruction, classroom techniques and procedures, selection and use of instruments for evaluating achievement and measuring growth. Students develop decision-making skills through actual involvement in planned demonstration lessons using traditional and new techniques and innovations, including computer applications. Directed laboratory experience in public schools is required. Prerequisite: Admission to Teacher Education.

EDUC 420: Methods and Materials for Teaching Individuals with Mental Retardation and Learning Disabilities (3) (F;S)

Examines educational methodologies, guidelines, principles, and strategies appropriate for persons with mental retardation. It includes discussions of appropriate goals and objectives; development of unit and daily lesson plans; development and use of contingency plans, agencies, and organizations that provide service to individuals with mental retardation assessment of the child with mental retardation; to determine strengths and weaknesses across developmental and content areas; and research having relevance to educational programming for individuals with mental retardation. Practical experiences and hands-on computer activities are included in the course. Classroom observation required. Prerequisites: SPED 330, 331 or Consent of Department Chairperson; Admission to Teacher Education.

EDUC 424: Art Education Materials and Methods (3) (F)

Materials, equipment, curricula, philosophy, and techniques for teaching art and the use of appropriate computer technology at all levels, especially grades K–12. Classroom observation required. Prerequisites: Consent of Department Chairperson; Admission to Teacher Education.

EDUC 428: Music Methods in the Elementary School (3) (F;S)

Integrated Music Department methods course designed to meet developmental needs of children at the elementary school level (K-6). Emphasis on music education theories of learning and development as well as music assessment. Includes methods, materials, curricula, philosophy, lesson planning, strategies and techniques for teaching music. Introduction of music classroom instruments, recorder, guitar, and computer literacy. A look at music instruction in relation to exceptional students as well as teaching music in a multicultural environment. Directed laboratory experiences in public schools. Classroom observation required. Prerequisites: Consent of Departmental Chairperson; Admission to Teacher Education.

EDUC 429: Music Methods in the Secondary School (3) (F;S)

Integrated music education methods course designed to meet developmental needs of children at the secondary school level. Emphasis on foundations of music education, contemporary music education issues, and music assessment. Includes methods, materials, curricula, philosophy, lesson planning, strategies and techniques for successful secondary teaching. A look at music instruction in relation to exceptional students as well as teaching music in a multicultural environment. Directed laboratory experiences in public schools. Classroom observation required. Prerequisites: Consent of Department Chairperson; Admission to Teacher Education.

EDUC 430: Secondary Instructional Methods (9–12) (3) (F;S)

An integrated approach emphasizing those competencies related to teaching at the secondary level regardless of content area(s). The course will include modules such as computer application, school law, audiovisual aids, voice and diction, and lesson planning; and culminate with a major teaching presentation. Classroom observation required. Prerequisites: Consent of Department Chairperson; Admission to Teacher Education.

EDUC 431: Teaching Mathematics in the Elementary School (3) (F;S)

Provides a concentration review of basic mathematics, mathematical concepts, and algorithms applicable to the elementary grades (K–6). Emphasis will be placed on content to be taught students, laboratory experiences, lesson planning, and inquiry teaching. Further emphasis will be given to the appropriate use of manipulative and activity-oriented lessons, cooperative learning, verbalizing mathematics, teaching problem-solving techniques, the evaluation of student performance, and computer application. This course is a part of the Professional Studies sequence for all Teacher Education candidates in Elementary Education and is usually taken during the senior year. Directed field experience required. Prerequisite: Admission to Teacher Education.

EDUC 433: Observation and Supervised Teaching in Elementary Education (K–6) (6) (F;S)

This is a complete practicum experience. Students are given the opportunity to teach children in grades K–6 in actual classroom situations. They are appropriately supervised in approved elementary schools in a public school system. In this challenging and supportive environment, the student further develops in the dynamic practice of making effective instructional decisions. The student begins to apply all appropriate teaching models with expert flexibility and develops into a competent practitioner ready to prepare a widely diverse student population for lifelong learning. Prerequisites: Consent of Department Chairperson; Admission to Teacher Education.

***EDUC 434: Teaching Science in the Elementary School (3) (F;S)**

A critical analysis of the content and teaching strategies in the biological, physical, environmental, and earth sciences applicable to the elementary grades (K–6). The course will involve the student in the design of activities and demonstrations helpful in explaining scientific principles. Emphasis will be on hands-on projects, laboratory experiences, inquiry teaching, problem-solving techniques, lesson planning, and computer applications that develop a healthy interest in science in children in grades K–6. This course is also a part of the Professional Studies sequence for all teacher education candidates in Elementary Education and is usually taken during the senior year. Directed field experience required. Prerequisite: Admission to Teacher Education.

***EDUC 436: Teaching Social Studies in the Elementary School (3) (F;S)**

This course is designed for prospective teachers who will teach social studies (grades K–6). It focuses on the practical and theoretical issues encountered in the teaching of Social Studies. It includes a close scrutiny of the nature of the Social Studies Curriculum as well as the applications of educational theory to practical teaching (grades K–6). Use of computers and appropriate software will be included. There will be a balance of readings, class discussions, lectures, demonstration lessons, and projects. The place of Social Studies in the elementary curriculum is examined. Objectives, instructional procedures, materials, and evaluation criteria are emphasized.

*This course is a part of the Professional Studies sequence for all Teacher Education candidates in Elementary Education and is usually taken during the senior year. Directed field experience required. Prerequisite: Admission to Teacher Education.

EDUC 437: Observation and Supervised Teaching in the Middle School (6–9) (6) (CF;S)

Complete practicum experience, giving students opportunity to teach under supervision in actual classroom situations in the middle grades in a public school system. Prerequisites: Consent of Department Chairperson; Admission to Teacher Education.

EDUC 440: Methods and Materials of Teaching Physical Education (3) (F;S)

Prerequisite to student teaching in physical education; all students to pass this course with a minimum average of "C." The course objective is to provide the student with an understanding of the methods and techniques necessary to effectively teach physical education. Classroom observation required. Prerequisites: Consent of Department Chairperson; Admission to Teacher Education.

EDUC 443: Observation and Supervised Teaching in Music (6) (F;S)

Complete practicum experience which gives the student the opportunity to teach, under supervision, in actual classroom situations in a public school system. Prerequisites: Consent of the Department Chairperson; Admission to Teacher Education.

EDUC 449: Methods of Teaching Technology Education (3) (F;S)

A study of instructional practices and techniques utilized in industrial/technology education subjects for optimizing learning for large groups, small groups, individuals, laboratory activities, individualized instructional programs, and hands-on computer activities.

EDUC 462: Observation and Supervised Teaching in Comprehensive Business (6) (F;S)

Complete practicum experience which gives opportunity to teach under supervision in actual classroom situations in a public school system. Prerequisites: Consent of Department Chairperson; Admission to Teacher Education.

EDUC 463: Observation and Supervised Teaching in Basic Business (6) (F;S)

Complete practicum experience which gives students an opportunity to teach under supervision in actual classroom situations in a pubic school system. Prerequisites: Consent of Department Chairperson; Admission to Teacher Education.

EDUC 464: Observation and Supervised Teaching in Mathematics (6) (F;S)

Complete practicum experiences giving secondary mathematics majors the opportunity to demonstrate, in actual classroom control, expertise in human relations, and those professional, personal, and social characteristics exemplified by professional teachers. Experiences are designed to include: role of positive reinforcement and frequent review in learning with understanding and retention and transfer of learning; use of appropriate examples, illustrations, equipment, and materials; teaching a unit relative to computer literacy and computer programming in Basic Language; remediation and questioning skills. Prerequisites: Consent of Department Chairperson; Admission to Teacher Education.

EDUC 465: Observation and Supervised Teaching in Technology Education (6) (F;S)

Complete practicum experience giving opportunity to teach under supervision in actual classroom situations in a public school system. Prerequisites: Consent of Department Chairperson; Admission to Teacher Education.

EDUC 466: Observation and Supervised Teaching in Social Sciences (6)(F;S)

Complete practicum experience giving students opportunity to teach under supervision in actual classroom situations in a public school system. Prerequisites: Consent of the Department Chairperson; Admission to Teacher Education.

EDUC 467: Observation and Supervised Teaching in Language Arts/English (6) (F;S)

Complete practicum experience giving secondary education majors the opportunity to teach Language Arts/English in actual classroom situations, under supervision, in a public school system. Prerequisites: Consent of the Department Chairperson; Admission to Teacher Education.

EDUC 468: Teaching Methods for Students in the Inclusive Classroom (4)

This course is designed to address a broad range of research-validated learning and instructional strategies. Include discussions of research-validated peer tutoring approaches to instruction, implementation and evaluation, small group and large group instruction, self-determination and advocacy and effective communication. It also focuses on development of lesson plans, ability to assess, implement and monitor student use of technology throughout the curriculum, and ability to communicate effectively with the various state holders. Prerequisites: Consent of Advisor; Admission to Teacher Education.

EDUC 469: Observation and Supervised Teaching in Art (6) (F;S)

Complete practicum experience which gives the student the opportunity to teach, under supervision, in actual classroom situations in a public school system. Prerequisites: Consent of the Department Chairperson; Admission to Teacher Education.

EDUC 470: Observation and Supervised Teaching in Physical Education and Health (K–12) (6) (F;S)

Practicum experience in teaching under supervision and guidance of personnel certified in Mental Retardation or Learning Disability. Observation of teaching methods and procedure, emphasizing individualized planning. The intern is provided an opportunity to take full teaching responsibility with daily evaluation and reflective conferences. Prerequisites: Consent of the Department Chairperson; Admission to Teacher Education.

EDUC 473: Observation and Supervised Teaching in Special Education/ Mental Retardation/Learning Disabilities (K–12) (6) (F;S)

Experience in teaching under the supervision and guidance of personnel certified in Mental Retardation. Observation of teaching methods and procedures, emphasizing individualized planning. The student teacher is provided an opportunity to take full teaching responsibility with daily evaluation and conferences. Prerequisites: Consent of the Department Chairperson; Admission to Teacher Education.

EDUC 474: Observation and Supervised Teaching in Physical Sciences (6) (F;S)

Complete practicum experience giving students the opportunity to teach, under supervision, in actual classroom situations in a public school system. Prerequisites: Consent of the Department Chairperson; Admission to Teacher Education.

EDUC 476: Observation and Supervised Teaching in Biology (6) (F;S)

Complete practicum experience giving students the opportunity to teach, under supervision, in actual classroom situations in a public school system. Prerequisites: Consent of Department Chairperson; Admission to Teacher Education.

EDUC 478: Seminar in Contemporary Educational Issues (P/F) (F;S)
This course is designed to provide student teachers with an update on current issues, trends, and research in teaching strategies and learning styles. As a part of the orientation, this seminar will assist the student teacher in refining reflective decision-making in the transition from student to professional educator. In addition, this course will focus on identified areas needing reinforcement prior to student teaching such as planning, classroom management, multicultural education, and computer-assisted instruction. Prerequisites: Senior status; Admission to Teacher Education.

EDUC 479: Multicultural Education (3) (F;S;SS)
This course is designed to provide prospective classroom teachers with background, knowledge and insights, and social foundations of education in a pluralistic society including pertinent information regarding legal and ethical aspects of teaching. In addition, this course will help teacher education students develop positive attitudes toward their own culture and the culture of others. It will also help students gain an understanding of and appreciation for different learning styles as they make decisions about instruction. Prerequisites: EDUC 201; Teacher Education majors who have completed all of their professional education sequences except Methods and Student Teaching; Admission to Teacher Education.

EDUC 490: Internship: Teacher Preparation (3) (F;S;SS)
Designed for the "non-traditional" student with documented evidence of successful classroom experience in the area and level certification is being sought. Prerequisites: Consent of Chairperson; Admission to Teacher Education.

EDUC 499: Problems in Education (1-3) (F;S;SS)
Designed to develop awareness of and reflection on current problems, issues, and trends in education, especially American Education. Students are required to conduct an in-depth study of a selected topic and report the results of the study in writing and orally. Prerequisite: EDUC 201; Admission to Teacher Education.

EDUC 291/292/293: Independent Study (1; 2; 3)
Individual study or research under direction of a faculty member. Study plan must be approved by the department chair and dean. Pre-requisite: Consent of instructor.

EDUC 491/492/493: Independent Study (1; 2; 3)
Individual study or research under direction of a faculty member. Study plan must be approved by the department chair and dean. Pre-requisite: Consent of instructor.

READING

READ 310: Elementary Reading and Language Arts Instruction (3) (F;S)
This is a professional course in elementary school reading instruction designed for teachers of grades K–6. It deals with aspects of theory and practice that are requisite to systematic, sequential instruction in reading, thinking, listening, and writing skills. It includes discussion and reflection on current research and practice in such topics as (1) emergent literacy, (2) writing, (3) reading in the content areas (K–6), (4) teaching students with special needs, (5) classroom organization, (6) instructional techniques, and (7) popular approaches to teaching reading. The prospective teacher develops a knowledge base that facilitates decision-making skills needed to meet the individual differences of elementary school-children's developmental reading abilities. Hands-on computer application included. Classroom observation required. Prerequisite: Consent of Department Chairperson; Admission to Teacher Education.

READ 320: Teaching Reading in Content Areas (2) (F;S)
Major professional course in Reading which prepares special subject teachers, grades K–12, to use reading as an instructional tool. Covers the following areas: (1) understanding the reading process and how to incorporate reading skills along with teaching content; (2) techniques for assessing textual materials; (3) understanding scope and sequence of reading skills development, K through grade 12; (4) reading rate and study skills; (5) vocabulary development through word attack, the use of content clues, etc.; and (6) comprehension development. Emphasis is on specific teaching and learning of reading strategies needed to make decisions in line with the patterns of writing used in various content areas. Reading is not conceived of as a separate strand of the secondary school curriculum but as an integral, interwoven aspect of the total curriculum in which effective decisions regarding instruction are made. Classroom observation required. Prerequisite: Admission to Teacher Education.

SPED 315: Communications for Special Education Teachers (3)

This course is designed to provide students with the skills and technology they will need to teach writing effectively to K-12 students (with disabilities) and to enhance students' own writing and speaking skills. Instruction will emphasize small group work, public speaking, and writing workshops. The mechanics and the content of writing and speaking will be addressed. At the completion of this course, students will be able to write effectively for a variety of professional purposes, and will be able to evaluate writing samples and to plan and implement writing instruction based upon those writing samples.

SPED 334: Assessment in Special Education (3) (F)

This course provides students with a basic overview of standardized and teacher-constructed assessment tools. Class discussions will emphasize the possible uses, application, underlying concepts, and issues associated with standardized and teacher-constructed tests. Acceptable methods of selecting, administering, and interpreting all types of tests will be addressed. Prerequisites: SPED 332, Admission to Teacher Education; and consent of Department Chairperson.

SPED 346: Introduction to Special Education Laws, Identification, Services & Evaluation (3)

Introduction to Special Education Laws, Identification, Placement, Procedures and Program Evaluation Accountability is designed to give students the knowledge and skills necessary to facilitate effectively in the K-12 student referral process, interpret educational assessments and psychological reports, implement the objectives of the IEP, advocate for appropriate services with students with learning disabilities and to understand the need for continuous professional development. Prerequisites: Consent of Department Chairperson; Admission to Teacher Education.

SPED 347: Practicum I (2)

Students will observe various elementary, middle and secondary instructional programs located in public schools and special schools, which have inclusive programs. Requirements will include: writing reaction papers and reflecting on various types of decisions made in each instructional setting. Instructor will provide a list of assignments, which will correlate with the North Carolina Department of Public Instruction's Standards and Indicators for the Special Education General Curriculum License and also coincide with classroom instruction.

SPED 349: Practicum II

Students will work with individual students at various ability levels in inclusive and noninclusive settings. Instructor will provide assignments and site locations. The assignments will be aligned to the Standards and Indicators as set forth by the North Carolina Department of Public Instruction, NCATE, and Council for Exceptional Children. Students will be required to maintain portfolios that include artifacts and evidences that demonstrate student progress. Prerequisites: Consent of Department Chairperson; Admitted to Teacher Education.

SPED 370 Implementing Positive Support Systems (3)

This course is designed to provide students with the necessary knowledge and skills to conduct functional behavior assessments develop and implement behavior plans based on results of those assessments and utilize the principles of positive behavior support. Research-validated instructional strategies will be utilized to facilitate learning across the curriculum. Prerequisite: Consent of Chairperson or Advisor

SPED 380: Assessing and Teaching Reading (3)

This course is designed to teach prospective teachers how to assess individual students reading ability and to develop and use systematic, explicit & multisensory methods in teaching reading. Focus will also be given to the assessment of the students' phonemic awareness skills, letter-sound association skills, work identification skills, sight word reading skills, reading fluency, vocabulary, and reading comprehension. Prerequisites: Consent of Department Chairperson; Admission to Teacher Education

SPED 402 Leaning Strategies for Mathematics and Writing

This course is designed to give students the knowledge and skill necessary to access K-12 student needs in the areas of mathematics and writing. It would also focus on learning strategies in the areas of mathematics and writing and the ability to plan, implement, and evaluate instructions in those areas. Simulations and case studies will be used to support development of effective teaching skills. Prerequisites: Consent of the Department Chairperson; Admission to Teacher Education.

SPED 403 Collaboration with Families and Educators (3)
This course is designed to help students develop essential communication and collaborative skills necessary for an effective member of the educational team. Students will learn to be effective communicators and problem solvers. Students who are successful in this course will become active listeners, who can operationally define problems and challenges, and can generate strategies and solutions that are acceptable to all member of the educational team. Focus will also be given to the components of an effective IEP, which aligns with the general curriculum and facilitates student and parent involvement. Prerequisites: Consent of Chairperson; Admission to Teacher Education.

SPED 449: Practicum III (2)
Students will work with individuals, small and large groups of students with varied abilities in inclusive and non-inclusive settings. Instructor will provide assignments and site locations. The assignments will be aligned to the Standards and Indicators as set forth by the North Carolina Department of Public Instruction, NCATE, and Council for Exceptional Children. Students will be required to maintain portfolios that include artifacts and evidences that demonstrate student progress. Prerequisites: Consent of Department Chairperson; Admitted to Teacher Education.

SPED 291/292/293: Independent Study (1; 2; 3)
Individual study or research under direction of a faculty member. Study plan must be approved by the department chair and dean. Prerequisite: Consent of instructor.

SPED 491/492/493: Independent Study (1; 2; 3)
Individual study or research under direction of a faculty member. Study plan must be approved by the department chair and dean. Prerequisite: Consent of instructor.

DEPARTMENT OF

Health & Physical Education

The Department of Health and Physical Education offers courses leading to a Bachelor of Science Degree with the following emphases:

Physical Education – a teacher licensure program with Teacher certification K-12.

Non-Teaching options in:

- Aquatics and fitness
- Pre-graduate option for graduate level entry into Physical and Occupational Therapy and Chiropractic.

The licensed certified physical educator is trained to teach physical education and general science in grades K-12. The teacher licensure program also permits add-on endorsements in health, coaching, officiating, intramurals, and aquatics.

The Aquatics and Fitness option certifies students to perform in industrial fitness, fitness on the corporate level, health spas, wellness centers, prescriptive exercise testing, strength trainers, wellness centers, work site health promotion, and cardiac rehabilitation.

This specialty will also certify students as fitness experts using water as a mode of training, as well as qualify them to serve as lifeguards and water safety instructors in the private and industrial sectors.

The pre-graduation option provides undergraduate training for students desiring to enroll in a graduate-entry level program in the health care field, namely, physical or occupational therapy, sports medicine or chiropractic. Successful admission will be contingent upon satisfying other indicated admission criteria such as graduate record scores and professional references.

Another objective of the department is to provide a comprehensive service program for students through the Division of Education. Through the wide variety of games and sports provided, it is expected that students will develop sufficient skill levels that will enable them to choose leisure pursuits that will be suitable to future individual needs, capabilities and interests. In this regard, each entering student is required to choose two courses from the courses listed, along with a course in health concepts, subject to the approval of academic advisors.

MAJOR: B.S. in Physical Education (Teaching)

A.	*** General Education 45**			**Sem Hrs**
B.	**Specialty Area Requirements 60**			**Sem Hrs**
	BIOL	207	Human Anatomy 4	
	BIOL	307	Human Physiology 4	
	CR	202	Intramural Sports 2	
	GE	155	Principles of Biological Science 3	
	GE	155L	Principles of Biological Science Lab 1	
	GE	161	Dance (Elementary Modern) 1	
	PE	200	Coaching Football 3	
	PE	201	Coaching Basketball 3	
	PE	239	Introduction to Physical Education 2	
	PE	240	Team Sports 1	

PE	241	Individual and Dual Sports	1
PE	274	Fundamentals of Self Defense	1
PE	300	Exercise Physiology	3
PE	303	Fitness Thru Weight Training	2
PE	363	Group Games and Rhythms	1
PE	370	Kinesiology	3
PE	375	Management of Physical Education	3
PE	380	Sports Officiating I Football	3
PE	381	Sports Officiating II Basketball	3
PE	382	Curriculum and Assessment	3
PE	400	Motor Learning and Motor Behavior	3
PE	445	Principles of Physical Education	3
PE	447	Prescriptive Exercise Testing	4
PE	470	Adapted Physical Education	3

C. Professional Education Courses ..... 23 Sem Hrs

EDUC	201	Foundations of Education	3
EDUC	400	Sr. Seminar for Education Majors	P/F
EDUC	440	Methods and Materials in Physical Education	3
EDUC	470	Student Teaching	6
EDUC	478	Seminar in Contemporary Educational Issues	P/F
EDUC	479	Multicultural Education	3
PSY	302	Human Development	3
PSY	309	Educational Psychology	3
READ	320	Teaching Reading in Content Area	2

Total Hours Required for Degree ..... 128 Sem Hrs

* Any required GE courses in Physical Education may be used to satisfy the Physical Education Requirements in General Education.

CURRICULUM GUIDE FOR MAJORS IN TEACHING PHYSICAL EDUCATION

FRESHMAN YEAR

FIRST SEMESTER

COURSE AND NUMBER			HRS
GE	102	Composition & Literature I	3
GE	115	College Algebra	3
GE	122	Freshman Seminar	1
GE	140	World Civilization I	3
GE	155	Principles of Biological Science	3
GE	155L	Principles of Biological Science Lab.	1
GE	130	Art Appreciation	2
PE	239	Intro to Physical Education	2
			18

SECOND SEMESTER

COURSE AND NUMBER			HRS
BIOL	207	Human Anatomy	4
GE	103	Composition & Literature II	3
GE	135	Introduction to Music Literature	2
GE	141	World Civilization II	3
GE	161	Dance (Elementary Modern)	1
GE	185	Health Concepts	2
PE	240	Team Sports	1
			16

SOPHOMORE YEAR

BIOL	307	Human Physiology	4
EDUC	201	Foundations of Education	3
GE	201	World Literature I	3
GE	220	Sophomore Seminar	2
PE	241	Individual Sports	1
PSY	212	General Psychology	3
PE	274	Fundamentals of Self Defense	1
			17

GE	142	Introduction to Geography	3
GE	202	World Literature II	3
PE	370	Kinesiology	3
PHY	181	General Physics	3
PHY	181L	General Physics Lab	1
PSY	309	Educational Psychology	3
PE	363	Group Games and Rhythms	1
			17

JUNIOR YEAR

CHEM	101	General Chemistry I	3
CHEM	101L	General Chemistry I Lab.	1
PE	303	Fitness Thru Weight Training	2
PE	381	Sports Officiating Football	3
PE	200	Coaching Football	3
PE	300	Physiology of Exercise	3
PE	382	Curriculum & Assessment	3
			18

PE	201	Coaching Basketball	3
PE	375	Management of Physical Education & Athletic Programming	3
PE	447	Prescriptive Exercise Testing	4
PE	382	Sports Officiating Basketball	3
READ	320	Teaching in Content Area	2
PSY	302	Human Development	3
			18

SENIOR YEAR

CR	202	Intramural Sports	2
EDUC	400	Senior Seminar for Education Majors	P/F
EDUC	440	Methods/Materials in Physical Education	3
EDUC	479	Multi-Cultural Education	3
PE	401	Motor Learning & Motor Behavior	3
PE	445	Principles of Physical Education	3
PE	470	Adapted Physical Education	3
			17

EDUC	470	Student Teaching	6
EDUC	478	Seminar Contemporary Education Issues	P/F
			6

Departmental Requirements:
Certified First Aider (or HLTH 367)
Intermediate Swimming
GE 161 or 184 (substituted)

128 Total Hours

CURRICULUM GUIDE FOR MAJORS IN PHYSICAL EDUCATION AQUATICS & FITNESS OPTION

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	102	Composition and Literature I	3
GE	115	College Algebra	3
GE	122	Freshman Seminar	1
GE	135	Intro to Music Literature	2
GE	140	World Civilization I	3
GE	155	Principles of Biological Science	3
GE	155L	Principles of Biological Science Lab	3
			18

SECOND SEMESTER			
COURSE AND NUMBER			HRS
BIOL	207	Human Anatomy	4
GE	103	Composition and Literature II	3
GE	130	Art Appreciation	2
GE	141	World Civilization II	3
GE	184	Dance (Folk & Square)	1
GE	185	Health Concepts	2
GE	186	Exercise & HLTH Rel. Fit.	1
GE	194	Outdoor Activities	1
PE	240	Team Sports	1
			18

SOPHOMORE YEAR

GE	161	Dance (Elementary Modern)	1
GE	169	Weight Training	1
GE	178	Gymnastics	1
GE	187	Intermediate Tennis	1
GE	191	Racquetball	1
GE	201	World Literature I	3
PE	208	Step Aerobics	2
PE	239	Introduction to Physical Education	2
PSY	212	General Psychology	3
HPE	201	Principles of Nutrition	3
			18

GE	142	Introduction to Geography	3
GE	202	World Literature II	3
PE	209	Water Aerobics	1
PE	241	Individual Sport	3
PE	274	Fundamentals of Defense	1
PE	370	Kinesiology	3
PHYS	181	General Physics	3
PHYS	181L	General Physics Lab	1
			18

JUNIOR YEAR

CHEM	101	General Chemistry I	3
CHEM	101L	General Chemistry Lab	1
PE	300	Exercise Physiology	3
PE	303	Fitness Thru Weight Training	2
PE	382	Curriculum & Assessment	3
PE	388	Life Saving	3
CR	202	Intramural Sports	2
			17

BIOL	307	Human Physiology	4
PE	363	Group Games and Rhythms	1
PE	375	The Mgmt of Athletics & Phy. Ed.	3
PE	383	Aquatic Fitness	3
PE	389	Water Safety Instructor	2
PE	447	Prescriptive Exercise Testing	3
PE	447	Prescriptive Exercise Testing Lab	1
			17

SENIOR YEAR

HLTH	460	Contemporary Health Service	2
PE	401	Motor Learning & Motor Behavior	3
PE	445	His. & Principles of Physical Educ.	3
PE	470	Adapted Physical Education	3
PSY	309	Educational Psychology	3
			14

PE	499	Aquatic/Fitness Internship	8
		Electives	3
			11

TOTAL HOURS 128

Departmental Requirements:
1. ARC Certified First Aider or HLTH 367
2. WSI (Water Safety Instructor) or PE 389

CURRICULUM GUIDE FOR MAJORS IN PHYSICAL EDUCATION PRE GRADUATE OPTION

FRESHMAN YEAR

FIRST SEMESTER

COURSE AND NUMBER			HRS
GE	155	Principles of Biological Science	3
GE	155L	Principles of Biological Science Lab	1
GE	140	World Civilization I	3
GE	102	Composition and Literature I	3
GE	115	College Algebra	3
GE	122	Freshman Seminar	1
GE	184	Folk & Square Dance	1
PE	239	Introduction to Physical Education	2
			17

SECOND SEMESTER

COURSE AND NUMBER			HRS
BIOL	141	General Zoology	3
BIOL	141L	General Zoology Lab	1
GE	103	Composition and Literature II	3
GE	118	Precalculus	3
GE	141	World Civilization II	3
GE	135	Intro to Music Literature	3
GE	185	Health Concepts	2
			18

SOPHOMORE YEAR

GE	130	Art Appreciation	2
BIOL	207	Human Anatomy	4
CHEM	101	General Chemistry I	3
CHEM	101L	General Chemistry I Lab	1
GE	201	World Literature	3
PSY	212	General Psychology	3
			16

CHEM	102	General Chemistry II	3
CHEM	102L	General Chemistry II Lab	1
GE	142	Intro to Geography	3
PE	240	Team Sports	1
PE	241	Individual and Dual Sports	1
BIOL	307	Human Physiology	4
GE	202	World Literature	3
			16

JUNIOR YEAR

PE	300	Physiology of Exercise	3
STAT	251	Basic Statistics	3
PE	401	Motor Learning & Motor Behavior	3
PE	303	Fitness through Weight Training	2
PHYS	181	General Physics	3
PHYS	181L	General Physics Lab	1
			15

PE	370	Kinesiology	3
GE	161	Elementary Modern Dance	1
BIOL	408	Medical Terminology	1
PE	447	Prescriptive Exercise Testing	4
PHY	182	General Physics	3
PHY	182L	General Physics Lab	1
HIST	250	Afro American History	3
			16

SENIOR YEAR

BIOL	341	Microbiology	3
PE	445	Principles of Physical Education	3
PE	470	Adapted Physical Education	3
PE	474	Professional Seminar in Health Care Management	3
BIOL	355	Career Entry Seminar	2
HLTH	460	Contemporary Health Education	2
			16

PE	495	Practicum In Phys. Occup. Therapy	8
		Electives	4
			12

TOTAL HOURS 126

Departmental Requirements:
1. Certified First Aider by ARC (or HLTH 367 or PE 388)
2. Intermediate Swimmer (or GE 175)

CURRICULUM GUIDE – Physical Education LICENSURE ONLY

A.	**Physical Education Courses**		**25**	**Sem Hrs**
	GE	161	Elementary Dance	1
	GE	174	Interm. Swimming (Departmental Requirement)	1
	GE	178	Gymnastics	1
	PE	239	Introduction to Physical Education	2
	PE	240	Team Sports	1
	PE	241	Individual and Dual Sports	1
	PE	274	Fundamentals of Defense	1
	PE	300	Physiology of Exercise	3
	PE	370	Kinesiology	3
	PE	375	Management of Physical Education	3
	PE	382	Curriculum & Assessment	3
	PE	445	Principles of Physical Education	3
	PE	470	Adaptive Physical Education	3
B.	**Related Areas**		**18**	**Sem Hrs**
	BIOL	207	Human Anatomy	4
	BIOL	397	Human Physiology	4
	*HLTH	367	First Aid (Departmental Requirement)	2
	CHEM	101-101L	General Chemistry/Lab	4
	PHY	181-181L	University Physics/Lab	4
	HLTH	460	Contemporary Health Education	2
C.	**Professional Education Classes**		**25**	**Sem Hrs**
	EDUC	201	Foundation of Education	3
	EDUC	400	Sr. Seminar for Education Majors	0
	EDUC	440	Methods & Materials in Physical Education	3
	EDUC	470	Student Teaching	6
	EDUC	478	Seminar in Contemporary Issues	0
	EDUC	479	Multicultural Education	3

** PSYC	302	Human Development	3
PSY	309	Educational Psychology	3
READ	320	Teaching Reading in Content Area	2

Total Hours Required for Licensure ..... 68 Sem Hrs

* Department Requirements – Optional with Certificate by ARC.
** May substitute for PE 401.

MINOR: Physical Education

PE	239	Introduction to Physical Education	2
PE	240	Team Sports	1
PE	445	History & Principles of Physical Education	3
PE	375	Management of Physical Education	3
PE	363	Groups, Games, and Rhythms	1
PE	401	Motor Learning & Motor Behavior	3
PE	407	Adaptive Physical Education	3
*HLTH	367	First Aid & Safety (Department Requirement)	0
CR	202	Intramurals	2
PE	200 or 201	Coaching Basketball or Football	3
	OR		
PE	380 or 381	Officiating Basketball or Football	3
GE	173	Swimming I (Departmental Requirement)	
PE	303	Fitness through Weight Training	2

Total Hours Required for Minor ..... 23 Sem Hrs

MINOR: Coaching and Sports

BIOL	209-209L	Principles of Anatomy & Physiology/Lab	4
PE	401	Motor Learning & Motor Behavior	3
PE	300	Physiology of Exercise	3
PE	200 or 201	Coaching Basketball or Football	3
PE	371	Psychology of Coaching	3
PE	496	Supervised Field Work in Coaching and Officiating	8

Total Hours Required for Minor ..... 24 Sem Hrs

* Department Requirement – Optional with Certificate by ARC.

CORRECTIONAL RECREATION

CR 201: Introduction to Correctional Recreation (2) (S)
Study of the basic philosophy and concepts of Correctional Recreation with emphasis on the value of such programs in the rehabilitative process. Emphasis is also directed toward analyzing recreational theories, appraising existing needs of penal institutions, and developing an understanding of the administration and organization of penal recreational programs. Prerequisite: PE 240.

CR 202: Intramural Sports (2) (S)
Course offers both theory and practice in developing and conducting intramural sports programs.

CR 301: Athletic Programs in Penal Institutions (2) (F)
Theory of organizing and administering athletic programs and events in prisons, half-way houses. and reformatories. Students taught how to utilize non-institutional resources and personnel in the production of athletic programs. Prerequisites: CR 201; CJ 201.

CR 303: Supervision of Correctional Recreation and Athletic Facilities (2) (S)
Study of operational procedures for maintaining and supervising athletic facilities in penal institutions. Emphasis directed toward planning, equipping, managing, and the utilization of facilities.

CR 304: Cooperative Training in Correctional Recreation and Athletics (1–6) "Optional Elective" (S;SS)
A summer work experience in a correctional unit. (See Department Chairperson for arrangements.) Prerequisites: CR 202, 301.

CR 402: Supervised Field Training in Correctional Recreation (2) (F)
Explores theories of supervision and covers various aspects of supervising recreational facilities in penal institutions. Opportunities provided for practical on-the-job experiences in local correctional institutions. Prerequisite: Consent of Department Chairperson.

CR 406: Seminar in Correctional Recreation (3) (S;SS)
Courses coordinated with supervised field experience. Designed to prepare advanced students for a comprehensive field practice in Correctional Recreation. Corequisite: CR 408 or consent of Department Chairperson.

CR 408: Internship in Correctional Recreation (6) (S;SS)
Supervised field placement in a local, state, or federal correctional center for a period of 10 weeks. Interns work under the direction of an assigned site supervisor. Corequisite: Consent of Department Chairperson.

GENERAL EDUCATION

GE 160: Basketball (1) (F;S)
This course focuses on the essential skills and techniques of basketball, as well as the fundamentals of the game. This is an elective course for the general student body that can be used to meet the physical education requirements in General Education.

GE 161: Dance (Elementary Modern) (1) (S)
Designed to develop creativity, strength, coordination, and flexibility through Modern Dance. Dance techniques, spatial relationships and design, dynamic and movement qualities are explored in order to enhance the student's understanding of dance as an art form. This is an elective course for the general student body that can be used to meet the physical education requirements in General Education.

GE 163: Golf (1) (F;S)
A course designed to acquaint students with history, relevant terminology, and rules of golf. Also designed to equip the student with fundamental skill of scoring, playing, and strategies of golf. This is an elective course for the general student body that can be used to meet the physical education requirements in General Education.

GE 164: Jogging (1) (F;S)
The course is designed to assist students interested in developing a personalized conditioning program, better fitness for health through jogging. This is an elective course for the general student body that can be used to meet the physical education requirements in General Education.

GE 168: Volleyball (1) (F)
The nature of this course is to broaden the scope of knowledge about skills and techniques of the sport as well as to develop the spirit of fun, good fellowship, and sportsmanship. This course is opened to all students. One semester hour of credit. This course can be used to meet the physical education requirements in General Education.

GE 169: Weight-training (1) (F;S)
A controlled program of weight-training exercises for students interested in developing individualized pro-

grams for fitness and strength improvements. This course is a part of the General Education sequence and may be used to fulfill the physical education requirements.

GE 172: Badminton (1) (F)
This course is designed for beginning players. It is designed to cover beginning skills and knowledge that will enable one to be proficient in the game. This course is an elective course for the general student body to meet physical education requirements in the General Education Program.

GE 173: Swimming I (1) (F;S;SS)
Beginning swimming, elementary techniques, and safety procedures. Designed to develop basic water safety skills and knowledge. This course is required of all Physical Education majors or the equivalent. This is also an elective course for the general student body that can be used to meet the physical education requirements in General Education.

GE 174: Swimming II (1) (F;S;SS)
Designed to provide individuals with an opportunity to develop skills in breath control, rhythmic breathing, survival floating, treading, changing positions, elementary backstroke, crawl stroke, diving, underwater swimming. This is an elective course for the general student body to meet the physical education requirements in General Education. Prerequisite: GE 173 or consent of the instructor.

GE 175: Intermediate Swimming (1) (F;S)
Designed to provide students with opportunities to learn the elements of good swimming by providing a wide variety of strokes, treading, sculling, underwater swimming, and basic elements of rescue. This is an elective course for the general student body but a physical education requirement for majors. Prerequisite: GE 174 or consent of the instructor.

GE 178: Gymnastics (1) (F)
This course is designed to develop strength, flexibility, balance, skills, and coordination through performance of stunts, tumbling, and apparatus; emphasis placed upon floor exercise, balance beam, uneven bars, still run, side horse, high bar, parallel bars, and trampoline. This course is required of all Physical Education majors, and an elective for any student as a General Education Program in physical education.

GE 179: Archery (1) (S)
This course is designed to advance the quality of living by providing the opportunity and encouragement for the development of the individual's social effectiveness and personal well-being through controlled participation in a program of physical activities conducted with effective guidance. This is an elective course for the general student body that can be used to meet the physical education requirements in General Education.

GE 180: Bowling (1) (F;S)
Designed to develop skills in scoring, ball selection and grip, approaches, releases, methods of aiming, and the etiquette of bowling. This is an elective course for the general student body that can be used to meet the physical education requirements in General Education.

GE 183: Beginning Tennis (1) (F;S;SS)
Designed to familiarize students with basic rules, regulations, and skills necessary to enjoy tennis as a recreational activity. Instruction includes proper grips, forehand and backhand strokes, and the serve. This course is an elective for the general student body to meet the physical education requirement for the General Education Program.

GE 184: Dance (Folk and Square) (1) (S)
Designed to enhance the student's physical, cognitive, and social development through folk and square dance. History, terminology, and dance steps used in American square dance and international folk dance are the major areas of instruction. This is an elective course for the general student body that can be used to meet the physical education requirements in General Education.

GE 185: Health Concepts (2) (F;S;SS)
This course contains the basic knowledge and behavior change techniques which will allow the student to make intelligent decisions related to health and wellness. The course is usually taken during the freshman year and is a required course in the General Education program. The student will receive 2 semester hours credit for the successful completion of the course.

GE 186: Exercise and Health-related Fitness (1) (F;S)
The course is designed to develop in the students, knowledge and skills toward the attainment of physical fitness, appropriate, regular exercise, nutrition, stress management, weight control, good posture, and body mechanics. This course is required of all Physical Education majors and is an elective course for the general student body that can be used to meet the physical education requirements in General Education.

GE 187: Intermediate Tennis (2) (F;S)
Designed for the student to achieve a high degree of efficiency in advanced skills and strategies. Skill instruction includes volley, lob, drop, smash, and half-volley shots. Advanced students should know strategy and tactics for rallies, games, sets, and matches, along with developing single and double elimination tournaments. Prerequisite: GE 183 or consent of instructor.

GE 191: Racquetball (1) (F;S;SS)
Provides instruction in the basic knowledge, skills, strategy, and safety practices of racquetball. Instruction includes lecture, demonstration, practice, and competition. This is an elective course for the general student body that can be used to meet the physical education requirements in General Education.

GE 193-194: Modified Exercise and Activities (1) (1) (F;S)
The first semester of the class is designed to improve the fitness level of students who cannot experience success in regular physical education classes. The second half of the sequence is designed to acquaint students with activities that can be adapted to their functional capacities. These classes may be used to satisfy the basic physical education requirement by the handicapped. Prerequisite: By medical consent or consent of instructor.

HEALTH

HLTH 367: First Aid and Safety (2) (S)
First Aid and Safety is designed to provide students with essential information for administering emergency care that leads to certification. Certification is a departmental requirement. The course is offered to other students.

HLTH 369: Principles of Nutrition (S) (3)
Fundamentals of human nutrition, including the functions and essential nutrients necessary for optimum growth and the maintenance of physical and mental health. Open to all students.

HLTH 373: Health in the Elementary School (2) (F)
Required for Elementary Education majors (K-6). This course is designed to develop an understanding of the purposes and duties of the teacher in implementing a school health education program. It provides students with knowledge, methods, and materials necessary to teach health in grades K-6.

HLTH 460: Contemporary Health Education (2) (F)
A review of the techniques and principles relevant to the study of current health issues and problems in today's society. Health education methods and materials, instructional strategies, and the selection of resource materials are emphasized in this course. This course is required of all Physical Education majors. Open to other students.

HLTH 465: Drug Education (3) (S)
Study of social, psychological, and physiological aspects of drug use, misuse, and abuse. Open to all students.

PHYSICAL EDUCATION

PE 200: Theory of Coaching Football (3) (F;S)
Defensive and offensive strategies are taught. Some attention is devoted to team conditioning, care and purchase of equipment, and public relations. Open to all students.

PE 201: Coaching Basketball (3) (F;S)
A study of fundamental concepts of coaching basketball. Emphasis is placed on offensive and defensive play, playing strategies, team conditioning, and learning rules. Open to all students.

PE 206: Coaching Baseball/Softball (2) (S)
This course presents the fundamental knowledge needed to coach basketball and softball. Emphasis is placed on team organization, basic techniques, terminology, player selection and game strategies. Open to all students.

PE 208: Step Aerobics (2) (F;S;SS)
To provide a cardio respiratory workout using muscles that are utilized in basic locomotor movements and various step-and-arm combinations to develop flexibility, strength, and muscular endurance. Low-impact or high-impact routines adjusted to music provide for the release of emotional and mental tension as an added bonus. This course will be required of all majors in Physical Education. Prerequisite: GE 173. Open to all students.

PE 209: Water Aerobics (2) (S;SS)
Provides choices for exercisers who benefit from water buoyancy, which reduces joint stresses associated with weight-bearing exercise. Emphases will be placed on adapting land-based aerobics to water as well as familiarizing students with the psychological benefits of water aerobics. Prerequisite: Consent of teacher.

PE 239: Introduction to Physical Education (2) (F)
Freshman Orientation class in physical education that orients the student to the history of physical education, and the nature and scope of the field. This is the first theory course in the major course sequence. Required of all majors.

PE 240: Team Sports I (1) (F)
This course provides experience and practice in the skills and techniques of team sports. The sports included are football (flag), basketball, soccer, team handball, volleyball, and softball. Team Sports is required for Physical Education majors. Open to Physical Education majors only.

PE 241: Individual Sports I (1) (F)
This course provides experience and practice in the skills and techniques of individual sports. The sports included are badminton, golf, and other individual and dual sports. Individual Sports is required for all Physical Education majors. Open to Physical Education majors only.

PE 274: Fundamentals of Self Defense (1) (F;S)
This is a required course in martial arts for physical education majors. Open to all students.

PE 300: Exercise Physiology (3) (F;SS)
Analysis of human functions under stress of muscular activity. Designed to provide a basis for study of physical fitness and athletic training. Prerequisites: BIOL 207, 307.

PE 302: Movement Education (2) (F;S)
Required for Elementary Education majors (K-6). Designed to identify structure of the foundational knowledge of movement and the process of becoming physically educated. Emphasis is given to selection of material, teaching, and skill development of students in kindergarten through sixth grade.

PE 363: Group Games and Rhythms (1) (F;S)
This course focuses attention on the role of physical education in the lives of elementary school children (grades K-6) and the responsibilities of the teacher. Special attention will be given to the characteristics of elementary school children and how physical education meets the needs as expressed by these characteristics. Activities that meet the needs at the elementary level (grades K-6) in the areas of group games and rhythms will be given emphasis. This course is usually taken in the junior year by Physical Education majors as well as Elementary Education (grades K-6) majors.

PE 368: Prevention and Care of Athletic Injuries (2) (F)
Offers theory in conditioning and training for the prevention of athletic injuries as well as diagnostic procedures, massage, taping, hydrotherapy, and the handling of emergencies involving athletic injuries.

PE 370: Kinesiology (3) (S;SS)
Action of muscles involved in fundamental movements, calisthenics, sports, and gymnastics. Prerequisites: BIOL 207; BIOL 307; PE 300.

PE 371: Psychology of Coaching (3) (F)
Deals with the psychological aspects of motivation and personality management as they relate to the coaching profession. Attention directed toward the role of the coach in determining the behavioral conduct of his/her team and staff.

PE 375: Management of Physical Education and Athletic Programs (3) (F)
This course serves as an introduction to the basic processes of management in physical education and athletics. Special emphasis is placed on the problem solving/decision making process as related to managerial control, budgetary procedures, cost containment techniques, and the selection, utilization, and control of physical space, supplies, equipment, and environment.

PE 380-381: Sports Officiating I, II in Football & Basketball (3,3) (F;S;SS)
The psychology of officiating and the techniques of officiating will be emphasized. Mastery of knowledge of the rules will be required on a written test and in a practicum situation. Open to all students.

PE 382: Curriculum and Assessment (3) (S)
Conceptual approaches to curriculum design and assessment techniques will be discussed. Major emphasis on planning, organizing, selection, and administration. Also, interpretation, evaluation procedures, and statistical analysis of skill tests in physical education and health will be emphasized. The course is required of all Physical Education majors and is taught on the junior level.

PE 383: Aquatic & Fitness (3) (S;SS)
Emphasis is placed on the use of endurance swimming, water activities, games and sports to develop a cardiovascular fitness program in aquatics. This is a requirement for all PE majors entered into the Aquatic Fitness Track. Open to all students. Prerequisite: GE 175.

PE 388: Lifesaving (1) (S)
Lifesaving is designed to provide the student with an opportunity to develop skills and knowledge in water safety swimming and rescue techniques that will enable him/her to save himself/herself and others in the

event of accident. This is an elective course for the general student body that can be used to meet the physical education requirements in General Education. Prerequisite: GE 175 or consent of Department Chairperson. Taught by ARC guidelines.

PE 389: Water Safety (2) (S;SS)
Designed to provide students with theory and practice in the use of methods, materials, and techniques in teaching swimming. This is a major course for students majoring in the Aquatics & Fitness track. Open to other students. Taught according to ARC guidelines. Prerequisite: PE 388 or consent of teacher.

PE 401: Motor Learning and Motor Behavior (3) (F;SS)
Basic concepts underlying motor learning including neurophysical bases, feedback, perception, and other factors influencing rate, behavior, and amount of learning are emphasized. Normally taken during the senior year, it is required of all Physical Education majors. Prerequisites: BIOL 207, PE 382, 370, and 300.

PE 403: Research in Physical Education (3) (F;S;SS)
Conducting and evaluating research as an independent study opportunity on special problems or issues relating to physical education or other areas of interest. The class is designed for individuals needing elective or refresher credits. Prerequisite: Consent of instructor. Open to all students.

PE 445: History and Principles of Physical Education (3) (S)
A senior course that capsulates the scope and significance of physical education based on knowledge gained from courses serving as the scientific basis of physical education such as history, the natural sciences, psychology, physics, and sociology. This information is parlayed into principles, which serve as current practices in the field. Strong emphases are put on career preparation and the recognition of diverse opportunities in the field.

PE 447: Exercise Prescription and Testing (3) Lab (1) (F;S)
A required course for all PE majors designed to reinforce the basic principles or exercise physiology and to acquire skills necessary for exercise testing and conducting fitness assessments to be used for writing exercise prescriptions based on the needs of the individual. A 3-hour lab also accompanies this course. Prerequisites: BIOL 207, 307; PE 300.

PE 470: Adapted Physical Education (3) (S;SS)
This course assists the physical educator in developing skills and adaptive behaviors needed to determine and integrate the appropriate mechanics needed to maximize student potential. Normally taken during the junior year, it is required of all Physical Education majors. Open to all students.

PE 471: Professional Seminar In Health Care Management (3) (F)
Restricted to students who are enrolled in the internship course (PE 495) unless otherwise consented by the instructor. Provides opportunity to identify and discuss common problems and possible solutions of current and emerging challenges in organizing and financing the managerial functions in health care, more specifically, physical and occupational therapy.

PE 495: Practicum In Physical/Occupation Therapy (8) (F;S;SS)
Supervised field placement in a health care institution under a qualified PT, OT, or physician for a minimum of 125 hours. An additional 75 hours will be spent in a health care facility related to the student's career interest.

PE 496: Supervised Field Work In Coaching And Officiating (8) (F;S;SS)
Practical experience in coaching on the club level for 100 hours or the equivalent subject to the discretion of the site supervisor. An additional 100 hours will be spent officiating seasonal sports on an intramural varsity or club level under a certified official or supervisor.

PE 499: Aquatic & Fitness Internship (8) (F;S;SS)
Provides a supervised field experience of 200 hours in applied commercial or institutional, private fitness centers. Prerequisite: Consent of teacher.

HPE: 201 Principles of Nutrition (3)
Basic course on the essentials of good nutrition, requirements of various food elements and diet patterns for specific age groups.

HPE 291/292/293: Independent Study (1; 2; 3)
Individual study or research under direction of a faculty member. Study plan must be approved by the department chair and dean. Prerequisite: Consent of instructor.

HPE 491/492/493: Independent Study (1; 2; 3)
Individual study or research under direction of a faculty member. Study plan must be approved by the department chair and dean. Prerequisite: Consent of instructor.

OVERVIEW

As a public university which offers baccalaureate degree programs in the arts and sciences, Elizabeth City State University promotes excellence in teaching as its primary responsibility to fulfill the needs of its students. The university embraces the concept of a liberal education through teaching, research and community outreach, particularly as it relates to the lifestyles and needs of northeastern North Carolina with an identified focus on ethnic minorities.

The study of psychology promotes within an individual a sense of competence and efficiency through a better understanding of the processes of development and learning, human behavior and individual differences. Therefore, a fundamental effort in the Department of Psychology is to impart to students a thorough knowledge and comprehension of the practical, scientific, and theoretical/philosophical factors associated with the study of human behavior.

MISSION

The overall mission of the Department of Psychology is to develop in undergraduate students a better understanding of the human experience in local, national, and international environments through a study of the factors contributing to personal growth and effective living; and in so doing provide a foundation for graduate and professional study. The Department's mission can be translated into specific purposes/goals relevant to obtaining the Bachelor of Science Degree in Psychology at Elizabeth City State University. The goals are as follows:

- Provide academic coursework, the completion of which results in receiving a Bachelor of Science Degree.
- Provide students with the knowledge, skills, and academic preparation necessary for the pursuit of advanced degrees in graduate and professional schools; thereby, facilitating viable employment opportunities.
- Provide students with a broad understanding of the types of problems in society which can be addressed via the application of knowledge obtained from a study of psychology.
- Provide service courses for students who are pursuing career fields other than psychology.

PSYCHOLOGY DEGREE PROGRAM

The degree of Bachelor of Science with a major in psychology shall be conferred upon students who complete major requirements as indicated in the curriculum below. Following conditional acceptance as a major/minor in the Department of Psychology, the student must petition for unconditional admission to the Department by completing the appropriate form which is available in the Departmental Office. The petition must be completed and returned to the Department for review by the Departmental Admissions Committee (an ad *hoc* Committee appointed by the Departmental Chairperson). Psychology Maors are selected on the basis of their record of academic achievement and the Department of Psychology sets certain minimum standards that must be met by students who are admitted into the degree program. Note: The Program offers the student the opportunity to select either the Applied/Fieldwork track (students seeking employment at the Bachelor's level) or the Research/Academic track (students seeking graduate school admission). In applying for Major or Minor status, the student must evidence an overall grade-point-average (GPA) of 2.25 or better and must have earned grades of "C" or better in the courses identified as "Psychology (Psy)" courses. Failure to maintain the required GPA will result in the student being placed on probationary status as a Major/Minor in Psychology until the necessary GPA is achieved.

Each student has the responsibility for verifying his/her status with regard to GE (General Education) requirements through the General Education Center and for having copies of his/her transcripts forwarded to the Departmental Office. Students are notified of the decision of the Departmental Admissions Committee with regard to admission status on a timely basis and following admission to the Department are assigned to a faculty advisor (registration without the advisor's consent is not permitted in most cases). The student is expected to keep the Departmental Office informed of changes in address and telephone numbers up to the time of graduation.

Summarily, students must first gain admission to the University; must fulfill prerequisites as noted above; and, finally, must apply for admission as either a Major or Minor in the Department. Acceptance to Major or Minor status is subject to the decision of the Departmental Admissions Committee. Additional information may be obtained from the Department of Psychology.

Requirements for the Bachelor of Science Degree in Psychology appear below. It should be noted that both the Major and *Minor (for majors in any discipline) are offered in psychology. Note: The Department also offers an "Academic Concentration in Psychology" as a complement to the Teacher Education Program. Students are admitted to the Department through departmental admissions procedures and each student pursuing the Psychology Major must also declare a Minor (any field other than Psychology) as the first-time seeker of the baccalaureate degree. The appropriate course sequence along with curriculum-guide summaries appear below.

MAJOR: Bachelor of Science Degree in Psychology

A.	**General Education Core**		**44**	**Sem Hrs**
B.	**Major Core Requirements**		**33**	**Sem Hrs**
	1. Core Courses		24	Sem Hrs
	*PSY 250	Developmental Psychology	3	
	*PSY 300	Statistics & Research Design	3	
	PSY 311	Psychological Tests & Measurement	3	
	PSY 330	Psychology of Personality	3	
	*PSY 350	Experimental Psychology	3	
	*PSY 400	Sensation & Perception	3	
	*PSY 450	Learning & Cognition	3	
	PSY 490	Senior Seminar in Psychology	3	
	*Indicates minor core requirements			
	2. Restricted Electives: (Select **three courses)		9	Sem Hrs
	PSY 340	Psychology of Cultural Diversity	3	
	PSY 360	Abnormal Psychology	3	
	PSY 370	Physiological Psychology	3	
	PSY 407	Community Psychology	3	
	PSY 480	Internship in Psychology	3	
	**Select two for minor			
C.	**Related Area Course Requirements**		**16**	**Sem Hrs**
	SOC 360	Social Psychology	3	
	CSC 111	Introduction to Computing	3	
	BIOL 102	General Biology	3	
	BIOL 102L	General Biology Lab	1	
		Consecutive courses in any Foreign Language	6	
D.	**Minor/Electives**		**31**	**Sem Hrs**
Total Hours Required for Degree (Major)			**124**	**Sem Hrs**
Total Hours Required for Minor in Psychology			**21**	**Sem Hrs**
Total Hours for Academic Concentration in Psychology			**24**	**Sem Hrs**

NOTE: Psychology 212 (General Psychology) occurs as a prerequisite to all other courses in psychology.

Major in Psychology: Thirty-three semester hours, eighteen of which must be of junior and senior level, including Psychology 212, 250, 300, 330, 350, 400, 450, 490.

Minor in Psychology: Twenty-one semester hours required, including Psychology 212, 250, 300, 350, 400, 450, 490.

Academic Concentration in Psychology: Twenty-four semester hours required: Psychology 212, 250, 300, 350, 400/450.

Elective Courses: Psychology 340, 360, 370, 407, 420, 480.

CURRICULUM GUIDE FOR MAJORS IN PSYCHOLOGY

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	102	Comp. & Literature I	3
GE	115	College Algebra	3
GE	122	Freshman Seminar	1
GE	130	Art Appreciation	2
GE	140	World Civilization I	3
CSC	111	Intro. to Computing	3
GE		Physical Education	1
			16

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE	103	Comp. & Literature II	3
GE	135	Intro. to Music Literature	2
GE	141	World Civilization II	3
GE	155	Prin. of Biol. Sci./Lab.	4
GE	185	Health Concepts	2
PSY	212	General Psychology	3
			17

SOPHOMORE YEAR

GE	201	World Literature I	3
GE		Physical Education	1
BIOL	102/L	Gen. Biology	4
SOC	201	Intro. to Sociology	3
		Foreign Language I	3
		Minor	3
			17

GE	152/L	Prin. of Phys. Sci./Lab	4
GE	202	World Literature II	3
SOC	204	Intro. to Anthropology	3
PSY	250	Developmental Psychology	3
		Foreign Language II	3
			16

JUNIOR YEAR

PSY	300	Statistics & Res. Design	3
PSY	330	Psychology of Personality	3
PSY		Restricted Elective	3
		Minor	6
		Elective	1
			16

PSY	311	Psychol. Tests & Meas.	3
SOC	360	Social Psychology	3
PSY	350	Experimental Psychology	3
		Minor	6
			15

SENIOR YEAR

PSY	400	Sensation & Perception	3
PSY		Restricted Elective	3
		Minor	6
		Elective	3
			15

PSY	450	Learning & Cognition	3
PSY	490	Senior Seminar in Psy.	3
		Minor	3
		Elective	3
			12

DESCRIPTION OF COURSES

PSY 212: General Psychology (3) (F;S)
An introductory course dealing with an understanding of scientific methods and application to the study of basic concepts of human behavior. Topics include motivation, sensory processes, perception, thinking, learning, personality, and social factors. **This course serves as a prerequisite to all other courses offered by the department.**

PSY 212H: General Psychology Honors (3) (S)
An introduction to the scientific study of psychological processes underlying behavior. Particular emphasis is placed on fundamental facts, terms and concepts in the application of the scientific method to psychological investigation. Topics for exploration include motivation, sensation, perception, cognition, learning, personality, intelligence, developmental and social processes.

PSY 250: Developmental Psychology (3) (F)
A comprehensive study of the life-span developmental approach to understanding human behavior. Topics of study include the physical, social, emotional, personality, and intellectual aspects of life from conception through adulthood and senescence. Critical studies of theories, research methodologies, and published research are examined. Prerequisite: PSY 212.

PSY 300: Statistics and Research Design (3) (F)
Introduction to psychological research, including research design, descriptive and inferential statistics, and the use of computers in psychology. Statistical techniques are utilized to describe the data and the testing of hypotheses in psychological research. Prerequisite: PSY 212.

PSY 302: Human Development (3) (F;S)
This course is designed to provide the student with a basic understanding of human development from infancy through adolescence. A major objective of this course is to provide an overview of major concepts and research findings regarding children's psychological development as it relates to making decisions regarding their education and schooling. Additionally, this course provides Education majors with the developmental knowledge useful in responding to today's diverse student population. Prerequisite: PSY 212; Admission to the Teacher Education Program (Education majors).

PSY 309: Educational Psychology (3) (F;S)
Application of psychological principles and concepts to the teaching and learning process. Provides students with theories, research, and practices and the implications for education. Emphasis is placed on human developmental processes, individual differences, learning theories and practices, motivation, classroom management, and educational assessment. Prerequisite: PSY 212; Admission to Teacher Education Program (Education majors).

PSY 311: Psychological Tests and Measurement (3) (S)
Surveys the field of psychological tests with attention to the measures of intelligence, attitude, personality, and interest. Test construction, validation, and standardization are reviewed. Laboratory experiences include the administration, scoring, and interpretation of tests and the use of test results. Prerequisite: PSY 300

PSY 330: Psychology of Personality (3) (F)
Study of the basic theories underlying the structure, organization, and adjustment mechanism of personality. Examines the development of "normal" personality with an emphasis on principal factors controlling human behavior. Historical and contemporary theories are investigated. Prerequisite: PSY 212.

PSY 340: Psychology of Cultural Diversity (3) (F)
Provides an overview of the psychological principles that define human diversity. The cross-cultural perspective identifies factors such as race, ethnicity, gender differences, and other aspects of acculturation. Investigates the racial, social, and cultural characteristics of majority and minority groups with regard to problems of prejudice, discrimination, and injustice. Prerequisite: PSY 250

PSY 350: Experimental Psychology (3) (S)
This course provides an introduction to the methods of science in psychology. Through lecture and laboratory experiences, the development, design, interpretation, and reporting of psychological research is examined. Prerequisite: PSY 300

PSY 360: Abnormal Psychology (3) (S)
A systematic appraisal of the development of human deviant behavior, including an examination of the formation of deviancy and current diagnostic procedures. Prerequisite: PSY 212.

PSY 370: Physiological Psychology (3) (S)
The study of anatomical and physiological bases of behavior. An emphasis is placed on the function of nervous, sensory, motor, and endocrine systems in motivation, emotion, perception, and learning. Prerequisites: PSY 350/BIOL 102.

PSY 400: Sensation and Perception (3) (F)
The study of sensory input function and the processes of interpreting and evaluating sensory information. Research methodology, theories, and research are examined in a manner that emphasizes the major sensory system as it and relates to human perceptual processes. Prerequisite: PSY 300.

PSY 406: Principles of Guidance (3) (F)
An overview of the organization, administration, and operation of guidance services in elementary, middle and secondary schools. This course includes a laboratory experience in guidance that is provided at the various levels through the utilization of ten hours of classroom observations. Prerequisite: PSY 212.

PSY 407: Community Psychology (3) (F)
A comprehensive survey of the community as a functioning entity of the social environment with an emphasis on mental health problems, life stresses, and inter-group relations. Considers the application of psychological principles to overall community interaction. Prerequisites: PSY 212/SOC 201.

PSY 409: Mental Hygiene (3) (S)
Introductory study of the etiology and development of both normal and abnormal personality patterns. Emphasis is placed on factors involved in the prevention and treatment of mental disorders as suggested by current theories, research, and practices. Prerequisite: PSY 212.

PSY 410: Industrial Psychology (3) (F)
The application of psychological principles to the internal structure and the problems of business and industry. Emphasis is placed on a comprehensive treatment of management-labor relations; job analysis; job specifications; employer-employee interaction, morale evaluation/improvement; and integrative industrial promotion through adaptive psychological procedures. Prerequisite: PSY 212.

PSY 420: Counseling Principles and Practices (3) (S)
An introduction to current counseling theories and expanded treatment practices. Course participants are provided with a perceptual framework for implementing representative approaches in diverse counseling settings. There is an emphasis on meeting client needs by maximizing personal and academic development through the counseling process. Prerequisite: PSY 250.

PSY 450: Learning and Cognition (3) (S)
An investigation of the manner in which new information is acquired and retained and how this affects learning acquisition. Emphasis is placed on research methodology, findings, and the appropriate application to human learning and thinking. Prerequisite: PSY 350.

PSY 480: Practicum in Psychology (3) (S)
Student majors in psychology must spend 36 hours of laboratory/field experience under the joint supervision of a field supervisor and a member of the departmental faculty. Emphasis is on the application of concepts and principles from coursework to applied field experiences. Students must attend orientation sessions prior to placement as well as debriefing and evaluation sessions during and following the internship. Prerequisite: Psychology major in final semester of the senior year and consent of the Departmental Chairperson.

PSY 490: Senior Seminar in Psychology (3) (S)
Explores psychological concepts and issues through research projects. The student is required to present individual reports of findings and to defend research results. Prerequisite: Psychology major in final semester of the senior year and consent of the Departmental Chairperson.

School of
Mathematics, Science, & Technology

Dr. Ronald H. Blackmon, Dean
Jimmy R. Jenkins Science Center, Room 400
Telephone: (252) 335-3710

The School of Mathematics, Science and Technology is a scholarly community committed to providing high quality education that prepares students for rewarding professional careers or graduate study in mathematics, science, or technology related areas, and for adaptive learning as productive citizens. The School provides a supportive learning environment for its multi-cultural student population, offers disciplinary and interdisciplinary instruction that employs new technologies and integrates ideas across intellectual boundaries, and supports opportunities for student involvement in undergraduate research and internships. Integral to the School's instructional mission is the generation of new knowledge through research, and an active commitment to ongoing professional development. The School is committed to mutually beneficial partnerships with local and global organizations; and seeks to serve university, local and professional communities with leadership and distinction.

DEPARTMENTS

The School of Mathematics, Science, and Technology consists of the following departments:

Biology. *Dr. Gary L. Harmon, Chair. Jimmy R. Jenkins Science Center, Room 302*

Chemistry and Physics. *Dr. Ephraim Gwebu, Chair. Jimmy R. Jenkins Science Center, Room 304*

Geological, Environmental, and Marine Sciences. *Dr. Francisco San Juan, Chair. Jimmy R. Jenkins Science Center, Room 306*

Mathematics and Computer Science. *Dr. Georgia Lawrence, Chair. Lester Hall, Room 110*

Technology. *Dr. Akbar Eslami, Chair. Dixon Hall, Room 122*

DEGREES OFFERED

The School of Mathematics, Science, and Technology offers courses and programs leading to the Bachelor of Science degree, Master of Science degree (Biology and Mathematics only) and the Minor in the areas listed below. In cooperation with the School of Education, programs of preparation for secondary teaching are available in Biology, Chemistry, and Mathematics. For complete curriculum information, please consult the individual departments sections in this catalog, or contact the appropriate Department Chair.

Bachelor of Science Degree Programs

Aviation Science with a Concentration in Business
Aviation Science with a Concentration in Computer Science
Aviation Science with a Concentration in Electronics
Biology
Biology with a Concentration in Molecular Biology/Biotechnology
Biology with a Concentration in Pre-Medicine/Pre-Dentistry
Biology with a Minor in Secondary Education
Chemistry
Chemistry with a Concentration in Biochemistry
Chemistry with a Pre-Health Professional Concentrations in Pre-Dentistry/Pre-Physical Therapy/Pre-Occupational Therapy/Pre-Medicine/Pre-Medical Technology/Pre-Pharmacy
Chemistry with a Minor in Secondary Education
Computer Science with a Concentration in Business
Computer Science with a Minor in Airway Science
Computer Science with a Scientific Concentration
Geology
Mathematics
Mathematics with a Concentration in Applied Mathematics
Mathematics with a Concentration in Statistics
Mathematics with a Minor in Secondary Education
Marine Environmental Science with a Concentration in Chemistry
Marine Environmental Science with a Concentration in Geology
Marine Environmental Science with a Concentration in Marine Biology

Industrial Technology with a Specialization in Computer and Electronics
Industrial Technology with a Specialization in Computer Networking
Industrial Technology with a Specialization in Mechanical and Manufacturing Technology
Physics
Physics with a Concentration in Biophysics
Physics with a Concentration in Aviation Science
Physics with a Concentration in Medical Physics
Physics with Pre-Health Concentration in Pre-Physical Therapy/Pre-Medicine

DEPARTMENT OF *Biology*

The Department of Biology offers General Education courses in Cellular, Environmental, Plant, and Animal Biology. Biology majors may select from one of three concentrations leading to a B.S. Degree. Graduates from the Department are provided with the appropriate skills which prepare them for the pursuit of opportunities in research, teaching, industry, and professional careers. Graduate and professional school opportunities are available to those graduates who compete successfully for admission into these programs.

The Department offers for its majors the Bachelor of Science Degree in Biology with the following concentrations: (a) General Biology and (b) Pre-Medicine/Pre-Dentistry. Other majors may opt for the B.S. Degree Program with an open minor. Those Biology majors wishing to pursue a secondary teaching degree program must complete a major in Biology and a minor in Secondary Education.

PROGRAM GOALS

The goals of the Biology Department are:

1. To assist all students in the understanding of basic unifying themes of Biology through the provision of relevant facts, concepts, and generalizations.
2. To provide lecture and experimental learning activities to assist students in the correlation of theoretical and practical aspects of the biological sciences.
3. To provide an interdisciplinary curriculum for the enhancement of student performance on standardized examinations.
4. To prepare Biology majors to be competitive for entry into upper-level positions in government and/or the private sector.
5. To enhance the overall academic preparedness of students through emphasis on cross-course reinforcement of basic skills.
6. To increase departmental collaboration with public school teachers and students.
7. To continue the provision of a departmental atmosphere which will promote participation of faculty in professional development activities.
8. To maintain collaborative associations with graduate institutions to enhance the career awareness of students.
9. To continually diversify program offerings to meet the changing needs of Biology majors.
10. To attract, recruit, and retain more capable Biology majors.

MAJOR: B.S. Degree in Biology (Concentration General Biology)

A. General Education Core ..... 45 Sem Hrs

B. Major Core Requirements ..... 47 Sem Hrs

1. Core Courses ..... 33 Sem Hrs

BIOL 101	General Biology for Majors I	4
BIOL 102	General Biology for Majors II	4
BIOL 201	Comparative Vertebrate Anatomy	4
BIOL 210	Genetics	3
BIOL 211	Organic Evolution	3
BIOL 307	Human Physiology	4
BIOL 341	Microbiology	3
BIOL 350	Intro. Exp. Methods	3

	BIOL	352	Frontiers in Molecular Biology 3	
	BIOL	486	Scientific Writing 1	
	BIOL	495	Biology Seminar 1	
2.	Concentration or Cluster of Restricted Electives 14			Sem Hrs
	BIOL	300/400	Biology Elective 11	
	BIOL	301	General Ecology 3	

C. Related Area Course Requirements ..... 23 Sem Hrs

CHEM	301/L	Organic Chemistry I/Lab 4	
CHEM	302/L	Organic Chemistry II/Lab 4	
CHEM	401/L	Biochemistry Lab 4	
GE	118	Precalculus 3	
PHYS	181/L	General Physics I/Lab 4	
PHYS	182/L	General Physics II/Lab 4	

Free Electives ..... 9 Sem Hrs

* Students must obtain a minimum grade of C in all Major Core Requirements.
(Note: CHEM 101/101L and 102/102L General Chemistry must be taken to satisfy the Natural Science Requirements for General Education)

Total Required for Degree ..... 124 Sem Hrs

CURRICULUM GUIDE FOR MAJORS IN BIOLOGY GENERAL BIOLOGY

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
BIOL	101	General Biology for Majors I	4
CHEM	101	General Chemistry I/L	4
GE	115	College Algebra	3
GE	102	Composition and Literature I	3
GE	135	Intro. to Music Literature	2
GE		Physical Ed. Activity	1
			17

SECOND SEMESTER			
COURSE AND NUMBER			HRS
BIOL	102	General Biology for Majors II	4
CHEM	102	General Chemistry II/Lab	4
GE	118	Precalculus	3
GE	103	Composition and Literature II	3
GE	185	Health Concepts	2
GE	122	Freshman Seminar	1
			17

SOPHOMORE YEAR

BIOL	210	Genetics	3
CHEM	301	Organic Chemistry I/Lab	4
GE	140	World Civilization I	3
GE	201	World Literature I	3
GE		Social & Behavioral Science	3
GE		Physical Ed. Activity	1
			17

BIOL	211	Organic Evolution	3
CHEM	302	Organic Chemistry II/Lab	4
GE	141	World Civilization II	3
GE	202	World Literature II	3
GE		Social & Behavioral Science	3
GE		Physical Ed. Activity	1
			17

JUNIOR YEAR

PHYS	181	General Physics I/Lab	4
CHEM	401	Biochemistry/Lab	4
ECOL	301	General Ecology	3
BIOL	350	Intro to Exp. Methods	3
BIOL	486	Scientific Writing	1
			15

PHYS	182	General Physics II/Lab	4
BIOL	307	Human Physiology	4
BIOL	201	Comp. Vert. Anat./Lab	4
BIOL	352	Frontiers in Molecular Biology	3
GE	130	Art Appreciation	2
			17

SENIOR YEAR

BIOL	341	Microbiology/Lab	3
BIOL	495	Biology Seminar	1
BIOL	300/400	Biology Elective	5
BIOL		Free Elective	3
			12

BIOL	300/400	Biology Elective	6
BIOL	499	Free Elective	6
			12

Total Requirements for the Degree.....124 Sem Hrs

Students must obtain a minimum grade of C in all Major Core Requirements

CHEM 101/101L and 102/102L General Chemistry must be taken for the Natural Science Requirements for General Education.

MAJOR: B.S. Degree in Biology (Concentration—Molecular Biology/Biotechnology)

A. General Education Core ..... 45 Sem Hrs

B. Major Core Requirements* ..... 44 Sem Hrs

1. Core Courses ..... 30 Sem Hrs

BIOL	101	General Biology for Majors I	4
BIOL	102	General Biology for Majors II	4
BIOL	210	Genetics	3
BIOL	307	Human Physiology	4
BIOL	341	Microbiology	3
BIOL	350	Intro. Exp. Methods	3
BIOL	352	Frontiers in Molecular Biology	3
BIOL	380	Cell Biology	3
BIOL	486	Scientific Writing	1
BIOL	487	Stat. Applications in the Sciences	1
BIOL	495	Biology Seminar	1

2. Concentration or Cluster of Restricted Electives ..... 14 Sem Hrs

BIOL	300/400	Biology Elective	5
BIOL	450	Advance Tech. In Biotech.	4
BIOL	470	Bioprocessing	3
BIOL	499	Biological Research	2

C. Related Area Course Requirements ..... 26 Sem Hrs

CHEM	301/L	Organic Chemistry I/Lab	4
CHEM	302/L	Organic Chemistry II/Lab	4
CHEM	401/L	Biochemistry/Lab	4
CSC	250	Computer Science and Comp. Vis.	3
MATH	157	Calculus and Analytic Geometry	3
PHYS	181/L	General Physics I/Lab	4
PHYS	182/L	General Physics II/Lab	4

Free Electives ..... 9 Sem Hrs

* Students must obtain a minimum grade of C in all Major Core Requirements
(Note: CHEM 101/101L and 102/102L General Chemistry must be taken to satisfy the Natural Science Requirements for General Education

Total Required for Degree ..... 124 Sem Hrs

CURRICULUM GUIDE FOR MAJORS IN BIOLOGY
MOLECULAR BIOLOGY/BIOTECHNOLOGY

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
BIOL	101	General Biology for Majors I	4
CHEM	101	General Chemistry I/L	4
GE	118	Precalculus	3
GE	102	Comp. and Lit I	3
GE	135	Intro. to Music Literature	2
GE		Physical Ed. Activity	1
			17

SECOND SEMESTER			
COURSE AND NUMBER			HRS
BIOL	102	General Biology for Majors II	4
CHEM	102	General Chemistry II/L	4
MATH	157	Calc/Analytical Geometry I	3
GE	103	Comp. and Lit II	3
GE	185	Health Concepts	2
GE	122	Freshman Seminar	1
			17

SOPHOMORE YEAR

BIOL	210	Genetics	3
CHEM	301	Organic Chemistry I/L	4
GE	140	World Civilization I	3
GE	201	World Literature I	3
ECON	201	Principles of Economics	3
GE		Physical Ed. Activity	1
			17

BIOL	341	Microbiology/L	3
CHEM	302	Organic Chemistry	4
GE	141	World Civilization II	3
GE	202	World Literature II	3
GE		Social & Behavioral Science	3
GE		Physical Ed. Activity	1
			17

JUNIOR YEAR

PHYS	181	General Physics I/L	4
CHEM	401	Biochemistry/L	4
BIOL	350	Intro to Exp. Methods	3
CSC	250	Comp. Science and Comp. Vis.	3
GE	130	Art Appreciation	2
			16

PHY	182	General Physics II/L	4
BIOL	307	Human Physiology	4
BIOL	380	Cell Biology	4
BIOL	352	Frontiers in Molecular Biology	3
			14

SENIOR YEAR

BIOL	450	Advanced Tech. In Biotechnology	4
BIOL	495	Biology Seminar	1
BIOL	486	Scientific Writing	1
BIOL	300/400	Biology Elective	3
		Free Elective	3
			12

BIOL	487	Stat. Applic. In the Sciences	1
BIOL	499	Biological Research	2
BIOL	470	Bioprocessing	3
BIOL	300/400	Biology Elective	2
		Free Elective	6
			14

Total Requirements for the Degree.....124 Sem Hrs

Students must obtain a minimum grade of C in all Major Core Requirements
CHEM 101/L and 102/L Gen. Chemistry must be taken for the Natural Science Requirements for General Education.

MAJOR: B.S. Degree in Biology (Minor—Secondary Education)

A. General Education Core ..... 45 Sem Hrs

B. Major Core Requirements* ..... 39 Sem Hrs

1. Core Courses ..... 27 Sem Hrs

BIOL	101	General Biology for Majors I 4
BIOL	102	General Biology for Majors II 4
BIOL	210	Genetics 3
BIOL	211	Organic Evolution 3
BIOL	307	Human Physiology 4
BIOL	341	Microbiology 3
BIOL	350	Intro. Exp. Methods 3
BIOL	352	Frontiers in Molecular Biology 3

	2.	Concentration or Cluster of Restricted Electives	12	Sem Hrs
		BIOL 300/400 Biology Elective	9	
		BIOL 301 General Ecology	3	
C.	**Related Area Course Requirements**		**19**	**Sem Hrs**
	CHEM 301/L	Organic Chemistry I/Lab	4	
	GE 118	Precalculus	3	
	PHYS 181/L	General Physics I/Lab	4	
	PHYS 182/L	General Physics II/Lab	4	
	GE 158/L	Prin. Of Geol. Sci./Lab	4	
D.	**Minor Core Requirements**		**25-30**	**Sem Hrs**
	EDUC 201	Foundations of Education	3	
	PSY 302	Human Development	3	
	PSY 309	Educational Psychology	3	
	READ 320	Tchg. Read. In Content Area	2	
	EDUC *400	Senior Seminar	0	
	EDUC 430	Secondary Instructional Methods	3	
	SPED 200	Survey Exept. Children and Youth	3	
	EDUC 476	Observation and Supervised Teaching in Biology	6	
	EDUC** 478	Sem. in Contemp. Educ. Issues	0	
	EDUC 479	Multicultural Education	3	

* Students must obtain a minimum grade of C in all Major Core Requirements
** Optional unless otherwise stated

Total Required for Degree ..... 128 Sem Hrs

(Note: CHEM 101/101L and 102/102L General Chemistry must be taken to satisfy the Natural Science Requirements for General Education)

CURRICULUM GUIDE FOR MAJORS IN BIOLOGY MINOR IN SECONDARY EDUCATION

FRESHMAN YEAR

FIRST SEMESTER

COURSE AND NUMBER			HRS
BIOL	101	General Biology for Majors I/L	4
CHEM	101	General Chemistry I/L	4
GE	115	College Algebra	3
GE	102	Comp. and Lit I	3
GE	135	Introduction to Music Literature	2
GE	122	Freshman Seminar	1
			17

SECOND SEMESTER

COURSE AND NUMBER			HRS
BIOL	102	General Biology for Majors II/L	4
CHEM	102	General Chemistry II/L	4
GE	118	Precalculus	3
GE	103	Comp. and Lit II	3
GE	185	Health Concepts	2
GE		Physical Ed. Activity	1
			17

SOPHOMORE YEAR

BIOL	210	Genetics	3
CHEM	301	Organic Chemistry I/L	4
GE	140	World Civilization I	3
GE	201	World Literature I	3
PSY	212	General Psychology	3
GE		Physical Ed. Activity	1
GE	220	Sophomore Seminar	1
			18

BIOL	211	Organic Evolution	3
EDUC	201	Foundations of Education	3
GE	141	World Civilization II	3
GE	202	World Literature II	3
GE	142	Intro. To Geography	3
GE	130	Art Appreciation	2
			17

JUNIOR YEAR

PHYS	181	General Physics I/L	4	PHY	182	General Physics II/L	4
PSY	309	Ed. Psychology	3	BIOL	307	Human Physiology	4
READ	320	Tchg. Read. In Content Area	2	BIOL	352	Frontiers	3
PSY	302	Human Development	3	EDUC	430	Sec. Instruc. Methods	3
ECOL	301	Ecology	3	SPED	200	Sur. Of Exept. Child. And Youth	3
BIOL	350	Intro to Exp. Methods	3				17
			18				

SENIOR YEAR

EDUC	479	Multicultural Education	3	EDUC	478	Sem. In Contemp. Ed.	P/F
EDUC	400	Seminar	P/F	EDUC	476	Obs. & Sup. Teach. Biology	6
BIOL	300/400	Biology Elective	4				6
GE	158/L	Principles of Geological Science/L	4				
BIOL	341	Microbiology/L	3				
			18				

Total Requirements for the Degree.....128 Sem Hrs

Students must obtain a minimum grade of C in all Major Core Requirements
CHEM 101/L and 102/L General Chemistry must be taken for the Natural Science Requirements for General Education.

MAJOR: B.S. Degree in Biology (Concentration—Pre-Medicine/Pre-Dentistry)

A. General Education Core ..... 45 Sem Hrs

B. Major Core Requirements* ..... 50 Sem Hrs

1. Core Courses ..... 40 Sem Hrs

BIOL	101	General Biology for Majors I	4
BIOL	102	General Biology for Majors II	4
BIOL	201	Comparative Vertebrate Anatomy	4
BIOL	207	Human Anatomy	3
BIOL	210	Genetics	3
BIOL	307	Human Physiology	4
BIOL	341	Microbiology	3
BIOL	350	Intro. Exp. Methods	3
BIOL	352	Frontiers in Molecular Biology	3
BIOL	380	Cell Biology	3
BIOL	443	Principles of Immunology	3
BIOL	486	Scientific Writing	1
BIOL	487	Stat. Applications in the Sciences	1
BIOL	495	Biology Seminar	1

2. Concentration or Cluster of Restricted Electives ..... 10 Sem Hrs

BIOL	300/400	Biology Elective	10

C. Related Area Course Requirements ..... 23 Sem Hrs

CHEM	301/L	Organic Chemistry I/Lab	4
CHEM	302/L	Organic Chemistry II/Lab	4
CHEM	401/L	Biochemistry/Lab	4
MATH	157	Calculus and Analytic Geometry	3
PHYS	181/L	General Physics I/Lab	4
PHYS	182/L	General Physics II/Lab	4

D. Free Electives ..... 6 Sem Hrs

Total Hours Required for Degree ..... 124 Sem Hrs

* Students must obtain a minimum grade of C in all Major Core Requirements
(Note: CHEM 101/101L and CHEM 102/102L General Chemistry must be taken for General Education Natural Science Requirements)

CURRICULUM GUIDE FOR MAJORS IN BIOLOGY
PRE-MEDICINE/PRE-DENTISTRY

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
BIOL	101	General Biology for Majors I	4
CHEM	101	General Chemistry I/L	4
GE	118	Precalculus	3
GE	102	Comp. and Lit I	3
GE	135	Introduction to Music Literature	2
GE		Physical Ed. Activity	1
			17

SECOND SEMESTER			
COURSE AND NUMBER			HRS
BIOL	102	General Biology for Majors II	4
CHEM	102	General Chemistry II/L	4
MATH	157	Calc/Analytical Geometry I	3
GE	103	Comp. and Lit II	3
GE	185	Health Concepts	2
GE	122	Freshman Seminar	1
			17

SOPHOMORE YEAR

BIOL	210	Genetics	3
CHEM	301	Organic Chemistry I/L	4
GE	140	World Civilization I	3
GE	201	World Literature I	3
PSY	212	General Psychology	3
GE		Physical Ed. Activity	1
			17

BIOL	341	Microbiology/L	3
CHEM	302	Organic Chemistry	4
GE	141	World Civilization II	3
GE	202	World Literature II	3
GE		Social Sciences	3
GE		Physical Ed. Activity	1
			17

JUNIOR YEAR

Phys	181	General Physics I/L	4
Chem	401	Biochemistry/L	4
Ecol	350	Intro to Exp. Methods	3
Biol	201	Comp. Vert. Anat./L	4
GE	130	Art Appreciation	2
			17

PHY	182	General Physics II/L	4
BIOL	307	Human Physiology	4
BIOL	207	Human Anatomy	3
BIOL	352	Frontiers in Molecular Biology	3
			15

SENIOR YEAR

BIOL	443	Principles of Immunology	3
BIOL	495	Seminar	1
BIOL	486	Scientific Writing	1
BIOL	487	Stat. Applic. In the Sciences	1
BIOL	380	Cell Biology	3
		Free Elective	3
			12

BIOL	300/400	Biology Elective	10
		Free Elective	3
			13

Total Requirements for the Degree.....124 Sem Hrs

Students must obtain a minimum grade of C in all Major Core Requirements
CHEM 101/L and 102/L General Chemistry must be taken for the Natural Science Requirements for General Education.

ACADEMIC CONCENTRATION: Biology

BIOL	101	General Biology for Majors I	4
BIOL	102	General Biology for Majors II	4
BIOL	202	General Physiology	3
BIOL	209/209L	Prin. of Anatomy and Physiology/Lab	4
BIOL	341	Microbiology	3
BIOL	380	Cell Biology	3
BIOL	441	Genetics	3
ECOL	301	General Ecology	3

Total Hours Required for Academic Concentration ..... 27 Sem Hrs

MINOR: Biology

BIOL	101	General Biology for Majors I	4
BIOL	102	General Biology for Majors II	4
BIOL	201	Comparative Vertebrate Anatomy	4
BIOL	202	Gen. Physiology	3
BIOL	341	Microbiology	3

Total Hours Required for Minor ..... 18 Sem Hrs

Students may substitute 200 Level and above courses in Biology for up to 7 semester hours of the required 18 semester hours for the minor in Biology.

MINOR: Biotechnology

GE	155/L	Prin. of Biological Science/Lab	4
BIOL	350	Intro. to Experimental Methods	2
BIOL	352	Frontiers in Molecular Biology	3
BIOL	450	Adv. Techniques in Biotechnology	4
BIOL	490	Ethics in Biotechnology	1
BIOL	499	Biological Research	2
CSC	250	Computational Science and Computer Visualization Techniques	3

Total Hours Required for Minor ..... 19 Sem Hrs

CHEM 101/L, 102/L are required prerequisites and CHEM 301/L is a required corequisite for the Biotechnology minor.

BIOLOGY

BIOL 101: General Biology for Majors I (4) (F)
First course of a two-semester sequence. Treats in depth fundamental concepts in biology with emphasis on cell structure, organization and metabolism, including an overview of classical and molecular genetics, as well as sexual and asexual reproduction, and relating these topics to the concepts of inheritance, evolution, and biodiversity. Required of all majors. Lecture three hours; laboratory two hours. No Prerequisites.

BIOL 102: General Biology for Majors II (4) (S)
Second course of a two-semester sequence. Treats in depth fundamental concepts in biology with emphasis on ecology, taxonomy and biodiversity, presenting an overview of microbiology, botany, zoology, and the anatomy and physiology of the human body. Required of all majors. Lecture three hours; laboratory two hours. Prerequisites: BIOL 101.

BIOL 201: Comparative Vertebrate Anatomy (4) (F)
A comparative study of structural features and development of organ systems of various classes of vertebrates with emphasis on their evolutionary sequence. Lecture, two hours; laboratory, four hours. Prerequisites: BIOL 101, 102.

BIOL 202: General Physiology (3) (S)
This course deals with the nature and function of living things and attempts explanation in terms of physical and chemical changes which occur during vital processes. Lecture, two hours; laboratory, two hours. Prerequisites: BIOL 101, 102, 201.

BIOL 204: Instrumentation in Biology (1) (S)
Acquaints students with equipment and procedures utilized in biological research. Lecture/laboratory, two hours. Prerequisites: BIOL 101, 102.

BIOL 207: Human Anatomy (4) (F)
Covers basic details of form and structure of the human body. Lecture, three hours; laboratory, two hours. Prerequisites: BIOL 101, 102.

BIOL 208: Human Nutrition (3) (S)
Introduces basic knowledge of food and its relationship to human nutrition. Special emphasis on the role of carbohydrates, proteins, fat, energy, vitamins, and minerals. Lecture: three hours. Prerequisites: BIOL 101, 102; CHEM 101, 101L, 202, 202L, 301, 301L, and 302, 302L

BIOL 209: Principles of Anatomy and Physiology (3) (F)
A survey of the interrelationships between specialized human body structures and their functions. Special emphasis directed towards skeletal, muscular, respiratory, circulatory, and nervous systems. Offered for Physical Education majors but may be taken as an elective by any student. Lecture: three hours. Prerequisites: GE 155 and 155L or BIOL 101, 102.

BIOL 209L: Principles of Anatomy and Physiology Lab (1) (F)
Laboratory investigations which stress anatomical and physiological aspects of humans. Laboratory, one hour. Prerequisites: GE 155 and 155L or BIOL 101, 102.

BIOL 210: Genetics (3) (S,F) (Formerly BIOL 441)
Presents an in-depth view of classical and molecular genetics, including nucleic acid structure, function and interaction in cellular systems. Lecture two hours; laboratory two hours. Prerequisites: BIOL 101, 102.

BIOL 211: Organic Evolution (3) (S,F) (Formerly BIOL 404)
Covers the topics in organic evolution such as mutation, adaptation, selection, cooperation, competition, speciation and phylogeny. Serves as a summary of all phases of biological phenomena. Prerequisites: BIOL 101, 102.

BIOL 250: Biological Orientation (1) (F;S)
Prepares intended Biology majors for entry into the Department. Emphasis is given to laboratory report writing, oral presentations, practical examination techniques, sketching, instrumentation, terminology, note-taking skills, and career development activities. Lecture, one hour. No Prerequisites.

BIOL 301: General Zoology (4) (F;S;SS) (Formerly BIOL 141 and BIOL 141L)
A basic course in animal biology, with emphasis on the life history, structural features, distribution, and taxonomy of groups in a sequence of development from lower to higher orders. Basic laboratory studies in animal biology with emphasis on the structural organization of representative animal groups. Lecture three hours; laboratory two hours. Prerequisites: BIOL 101 and 102 or GE 155, 155L.

BIOL 302: General Botany (4) (F;S;SS) (Formerly BIOL 142 and BIOL 142L)
Covers basic biological phenomena of plant life. Anatomy, physiology distribution and economic rel-

evance of plants are emphasized. Covers basic biological phenomena associated with plant structure, growth, and development. Lecture three hours; laboratory two hours. Prerequisites: BIOL 101 and 102 or GE 155, 155L.

BIOL 305: Histology (3) (S)
Microscopic structure of plant and animal tissues. Emphasizes distinguishing characteristics of various tissues. Lecture, two hours; laboratory, two hours. Prerequisites: BIOL 101, 102; CHEM 101, 101L, 102, and 102L.

BIOL 307: Human Physiology (4) (S)
Comprehensive coverage of the functional aspects of the organs and organ systems of the human body. Lecture, three hours; laboratory, two hours. Prerequisites: BIOL 101, 102 or GE 155 and 155L.

BIOL 341: Microbiology (3) (F)
Biology of microorganisms with special emphasis on bacteria, their detection, isolation, and cultural relations. General principles of infection and immunity are covered. Select diseases of humans are also emphasized. Lecture, two hours; laboratory, two hours. Prerequisites: BIOL 101, 102; CHEM 101, 101L, 102, and 102L.

BIOL 345: Plant Systematics (3) (S)
Special emphasis on diagnostic features and criteria used in classifying plants. Investigations involve representatives of local, regional, and national flora. Lecture, two hours; laboratory; two hours. Prerequisites: BIOL 101, 102, 302.

BIOL 350: Introduction to Experimental Methods (2) (F) (Formerly BIOL 204)
Acquaints students with the concepts and procedures utilized in modern biological research. Designed to enhance the student's ability to understand and utilize various research techniques. Lecture and laboratory, four hours. Prerequisites: BIOL 101, 102, and at least one other biology course (200 Level or higher), and CHEM 102/L.

BIOL 352: Frontiers in Molecular Biology (3) (F)
Introduces the molecular structures and mechanisms that underlie the utilization of genetic information by prokaryotic and eukaryotic organisms. Special emphasis on fundamental, theoretical, and applied aspects of recombinant DNA technology. Lecture, two hours; laboratory, three hours. Prerequisites: BIOL 350, CHEM 301 and consent of instructor.

BIOL 355: Career Entry Seminar (2) (F;S)
Designed to enhance the preparedness of science majors to deal with preprofessional entry examinations. Special emphasis on MCAT, DAT, GRE (Specialty Area). May be repeated. Lecture/lab, two hours. Prerequisites: BIOL 101, 102; CHEM 101, 102. Recommended for Pre-med/Pre-dent majors.

BIOL 380: Cell Biology (3) (F;S)
A detailed treatise on the fine structure of cells, the physical/chemical composition and organization and metabolism. Lecture, three hours. Prerequisites: BIOL 101, 102; CHEM 302 and 302L.

BIOL 390: Molecular Biology (3) (F)
This course deals with analyses of living things from molecular dimensions. Concepts of genes and their role in protein and enzyme synthesis and regulatory mechanism are discussed. Some of the basic concepts of sequencing of nucleic acid, recombinant DNA, control of protein synthesis, allosteric control are discussed. Prerequisites: BIOL 101, 102; CHEM 101, 102, 302, 302L.

BIOL 395: Introduction to Neuroscience (3) (F)
An introductory course in neuroscience that will examine the neuron and its biological interactions in the nervous system. Topics will include the anatomy, development, chemistry and physiology of human nervous system. Lecture: Three hours. Prerequisites: CHEM 302 or BIOL 307.

BIOL 401: Plant Physiology (3) (S)
This course deals with plant cells: general physiology; metabolic transformation; functions of leaves, roots, stems, flowers, and fruit; photosynthesis; respiration in plants; growth hormones and their activities. Lecture, two hours; laboratory, two hours. Prerequisites: BIOL 101, 102, 302; CHEM 101, 101L.

BIOL 442: Developmental Biology (3) (S)
Early developmental processes of anatomical and physiological significance with particular emphasis on developmental stages of the frog, chick, and mammalian embryos. Lecture, two hours; laboratory, two hours. Prerequisites: BIOL 101, 102, 301, 201, 202.

BIOL 443: Principles of Immunology (3) (S)
A survey of the basic concepts/principles on acquired resistance of higher animals and humans to infection by microorganisms. Lecture, three hours. Prerequisites: BIOL 101, 102, 341; CHEM 101, 101L, 102, 102L, 301, 301L.

BIOL 450: Advanced Techniques in Biotechnology (4) (S)
This course deals with the theoretical concepts and emphasizes "hands-on" experience with advanced techniques including but not limited to polymerase chain reaction, cDNA cloning and expression screening and aspects of plant molecular biology, and biotechnology. Lecture, two hours; laboratory, four hours. Prerequisites: BIOL 352; and consent of instructor.

BIOL 460: Advanced Experimental Methods (4) (F;S;SS)
This course is designed to increase the student's knowledge and practice of advanced experimental techniques in a specific area of the biological sciences. Final written reports of experimental results will be required. Lecture, two hours; laboratory, four hours plus additional lab time as necessary. Prerequisites: At least junior standing as a biology major and consent of the instructor. (This course may be repeated once for credit with consent of the department chair.

BIOL 485: Medical terminology (1) F;S)
Designed for the pre-medical and pre-dental program to give students an opportunity to systematically build a medical vocabulary. Emphasis on Greek and Latin prefixes, suffixes, word roots, and combining forms. Lecture, one hour. Prerequisites: BIOL 101, 102, 202, 207.

BIOL 486: Scientific Writing (1) (F;S)
Emphasis on the critique and writing of articles of referred scientific journals, methods of writing research papers, use of the library in the sciences, writing résumés, business letters, etc. Lecture, one hour. Prerequisites: BIOL 101, 102.

BIOL 487: Statistical Applications in the Sciences (1) (F;S)
Designed to enhance the student's ability to apply statistical techniques in the analysis of routine biological data. Emphasis on numerical methods, basic statistics, testing, significance, regression, correlation, experimental design, variance, etc. Lecture, one hour. Prerequisites: BIOL 101, 102.

BIOL 488: Computer Applications in the Sciences (1) (F;S)
Consideration of computer-related issues and applications in the sciences. Emphasis given to special topics that require the use of the computer in problem-solving. Lecture, one hour. Prerequisites: BIOL 101, 102.

BIOL 489: Special Problems in Biology (1) (F;S)
Provides students the opportunity to address current topics in biological science via resource development, field studies, and library usage. Lecture, one hour. Prerequisites: BIOL 101, 102.

BIOL 490: Ethics in Biotechnology (1) (S)
This seminar course provides students the opportunity to address the impact of biotechnology on human society and the environment via readings, written critiques, discussions and debates. Lecture, one hour. Prerequisite: BIOL 352 or consent of instructor.

BIOL 492: Methods in Life Sciences Instruction (3) (F;S)
Principles of instructional strategies and laboratory techniques associated with teaching life sciences at the level of Intermediate Education (4–6). Prerequisites: BIOL 101, 102; CHEM 101, 101L, 102, 102L.

BIOL 493/494: Field Experience in Biological Science (3/3) (F;S)
Designed to give students majoring in Biology on-the-job training experiences. May be repeated with consent of Department Chair. Prerequisites: A minimum of 20 semester hours of Biology.

BIOL 495: Biology Seminar (1) (F;S)
Consideration of recent advances and problems in biology with student participation and general discussion. May be repeated once for credit. Lecture, one hour. Prerequisite: Eight semester hours of Biology.

BIOL 496: Science and Human Values (1 or 2) (F;S)
Describes basically the impact of science on our society and the implications of futuristic ideas on our perception of future societies. Lecture: One hour. Prerequisites: BIOL 101, 102.

BIOL 499: Biological Research (1 or 2) (F;S)
Investigational work on a select topic in biology under the guidance of faculty members in the Department. Prerequisites: advanced standing and consent of Department Chair. Laboratory, two hours. Prerequisites: BIOL 101, 102; CHEM 101, 101L, 102, 102L.

GENERAL EDUCATION

GE 155: Principles of Biological Science (3) (F;S;SS)
Introduction to the basic principles of modern biology with emphasis on aspects of human biology as applied to daily living. Lecture, three hours. No Prerequisites.

GE 155L: Principles of Biological Science Lab (1) (F;S;SS)

Basic laboratory experiences in biology that reinforce concepts introduced in the lecture. Laboratory, two hours.

The Department of Chemistry and Physics exists to provide active, modern undergraduate programs in chemistry and physics. The Department offers (a) B.S. in Chemistry, (b) B.S. in Chemistry with concentrations in biochemistry or pre-health professional concentrations in pre-dentistry, pre-physical therapy, pre-occupational therapy, pre-medicine, pre-medical technology or pre-pharmacy, (c) B.S. in Physics and (d) B.S. in Physics with concentrations in biophysics, aviation science, medical physics, or pre-health professional concentrations in pre-physical therapy and pre-medicine. The Department offers *introductory* courses in several of these pre-health professional areas as *Selected Special Topics* in the respective concentrations.

OBJECTIVES

1. To nurture students for academic success
2. To provide the opportunities for students to become competent in Chemistry and Physics
3. To prepare professional chemists, physicists and teachers
4. To prepare students for graduate study in biochemical, biomedical and biophysical sciences
5. To prepare students in pre-health professional disciplines of pre-dentistry/pre-medicine/pre-medical technology/pre-occupational therapy/pre-pharmacy/pre-physical therapy, to facilitate entry into professional programs of study.
6. To provide research opportunities for students, intramurally and extramurally.

Chemistry or Physics majors who aspire to teach in Secondary Schools (Grades 9–12) must select a minor in Secondary Education. Physics majors who are considering engineering as a graduate specialty should elect mathematics/computer science as a minor. The Department of Chemistry and Physics offers minors in Chemistry and Physics for students majoring in other disciplines. A minor may be earned by completing 20 semester hours of course work in either Chemistry or Physics. In the Chemistry and Physics Degree Programs, each set of core courses in the major discipline area, including concentrations must be passed with a minimum grade of "C". The Department operates on the premise that there is no substitute for hard work and relentless pursuit of excellence.

MAJOR: B.S. Degree in Chemistry

A.	General Education Core			45	Sem Hrs
	GE	102	Composition and Literature I	3	
	GE	103	Composition and Literature II	3	
	GE	118	Pre-Calculus	3	
	GE	122	Freshman Seminar	1	
	GE	130	Art Appreciation	2	
	GE	135	Introduction to Music Literature	2	
	GE	140	World Civilization I	2	
	GE	141	World Civilization II	3	
	GE	185	Health Concepts	2	
	GE	201	World Literature I	3	
	GE	202	World Literature II	3	
	CHEM	101/101L	General Chemistry I/Lab	4	
	MATH	157	Cal. & Anal. Geom. I	3	
	MATH	158	Cal. & Anal. Geom. II	3	
	PSY	212	General Psychology	3	
	SOC	201	Introduction to Sociology	3	
			Physical Education	2	

B.	**Major Core Requirements**		**59**	**Sem Hrs**
	CHEM	102/102L	General Chemistry II/Lab	4
	CHEM	202/202L	Quantitative Analysis/Lab	4
	CHEM	205	Inorganic Chemistry	3
	CHEM	301/301 L	Organic Chemistry I/Lab	4
	CHEM	302/302L	Organic Chemistry II/Lab	4
	CHEM	401/401 L	Biochemistry I/Lab	4
	CHEM	402/402L	Biochemistry II/Lab	4
	CHEM	403/403L	Physical Chemistry I	4
	CHEM	404/404L	Physical Chemistry II	4
	CHEM	405/405L	Instrumental Methods/Lab	4
	CHEM	415/415L	Advanced Inorganic Chemistry	4
	CHEM	425	Advanced Organic Chemistry	3
	CHEM	395	Introduction to Neuroscience	3
	CHEM	499	Chemical Research	2
	BIOL	101/101L	General Biology I/Lab	4
	BIOL	102/102L	General Biology II/Lab	4
C.	**Related Area Courses (Required)**		**20**	**Sem Hrs**
	CSC		Computer Science	3
	PHIL	452	Introduction to Logic	3
	PHY	181C/18CL	University Physics I/Lab	4
	PHY	182C/182CL	University Physics II/Lab	4
	STAT	251	Basic Statistics I	3
	CHEM		Chemistry Elective	3
Total Hours Required for Degree			**124**	**Sem Hrs**

CURRICULUM GUIDE FOR MAJOR IN CHEMISTRY

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
GE	118	Precalculus	3
GE	122	Freshman Seminar	1
GE	140	World Civilization I	3
GE	135	Introduction to Music	2
GE		Physical Ed. Activity	1
CHEM	101/101L	General Chemistry/Lab	4
			17

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE	103	Comp. and Literature II	3
GE	130	Art Appreciation	2
GE	141	World Civilization II	3
MATH	157	Calculus and Analytical Geo I	3
CHEM	102/102L	General Chemistry II/Lab	4
GE		Physical Ed. Activity	1
			16

SOPHOMORE YEAR

GE	201	World Literature I	3
CHEM	301/301L	Organic Chemistry/Lab	4
MATH	158	Calculus and Anat. Geometry II	3
BIOL	101/101L	General Biology I/Lab	4
CHEM	205	Inorganic Chemistry	3
			17

GE	202	World Literature II	3
CHEM	302/302L	Organic Chemistry II/Lab	4
GE	185	Health Concepts	2
BIOL	102/102L	General Biology II/Lab	4
CSC		Computer Science	3
			16

JUNIOR YEAR

PSY	212	General Psychology	3
CHEM	181C/181C	University Physics I/Lab	4
CHEM	202/202L	Quant. Analysis/Lab	4
CHEM		Chemistry Elective	3
			14

PHYS	182C/182	University Physics II/Lab	4
CHEM	415/415L	Advance Inorganic Chemistry	4
PHIL	452	Introduction to Logic	3
SOC	201	Introduction to Sociology	3
			14

SENIOR YEAR

CHEM	401/401L	Biochemistry I/Lab	4
CHEM	403/403L	Physical Chemistry I/Lab	4
CHEM	499	Chemical Research	2
STAT	251	Basic Statistics I	3
CHEM	425	Advanced Organic Chemistry	3
			16

CHEM	404/404L	Physical Chemistry II/Lab	4
CHEM	395	Introduction to Neuroscience	3
CHEM	402/402L	Biochemistry II/Lab	4
CHEM	405/405L	Instrumental Methods/Lab	4
			15

MAJOR: B.S. Degree in Chemistry with Concentrations

A.			General Education Core	46	Sem Hrs
	GE	102	Composition and Literature I	3	
	GE	103	Composition and Literature II	3	
	GE	118	Pre-Calculus	3	
	GE	122	Freshman Seminar	1	
	GE	130	Art Appreciation	2	
	GE	135	Introduction to Music Literature	2	
	GE	140	World Civilization I	3	
	GE	141	World Civilization II	3	
	GE	185	Health Concepts	2	
	GE	201	World Literature I	3	
	GE	202	World Literature II	3	
	CHEM	101/101L	General Chemistry I/Lab	4	
	MATH	157	Cal. & Anal. Geom. I	3	
	MATH	158	Cal. & Anal. Geom. II	3	
	PSY	212	General Psychology	3	
	SOC	201	Introduction to Sociology	3	
			Physical Education	2	

B.			Major Core Requirements	40	Sem Hrs
	CHEM	102/102L	General Chemistry II/Lab	4	
	CHEM	202/202L	Quantitative Analysis/Lab	4	
	CHEM	205	Inorganic Chemistry	3	
	CHEM	301/301L	Organic Chemistry I/Lab	4	
	CHEM	302/302L	Organic Chemistry II/Lab	4	
	CHEM	401/401L	Biochemistry I/Lab	4	
	CHEM	403/403L	Physical Chemistry I/Lab	4	
	CHEM	395	Introduction to Neuroscience	3	
	CHEM	499	Chemical Research	2	
	BIOL	101/101L	General Biology I/Lab	4	
	BIOL	102/102L	General Biology II/Lab	4	

C.			Concentration in Biochemistry	24	Sem Hrs
	BIOL	442	Developmental Biology	3	
	BIOL	307/307L	Human Physiology/Lab	4	
	BIOL	390	Molecular Biology	3	
	BIOL	441	Genetics	3	
	BIOL	487	Statistical Application in the Science	1	

	CHEM	402/402L	Biochemistry II/Lab	4
	CHEM	405/405L	Instrumental Methods/Lab	4
	CHEM		Elective	2

D.	**Concentration in Pre-Physical Therapy**			**24**	**Sem Hrs**
	CHEM	253	Introduction to Physical Therapy	3	
	BIOL	207/207L	Human Anatomy/Lab	4	
	BIOL	307/307L	Human Physiology/Lab	4	
	BIOL	442	Developmental Biology	3	
	BIOL	485	Medical Terminology	1	
	BIOL	487	Statistical Application in the Science	1	
	PSY	250	Developmental Psychology	3	
			Elective	5	

E.	******Concentration in Pre-Dentistry**			**26**	**Sem Hrs**
	ART	230	Sculpture I	3	
	BIOL	207/207L	Human Anatomy/Lab	4	
	BIOL	307/307L	Human Physiology/Lab	4	
	BIOL	341	Microbiology	3	
	BIOL	441	Genetics	3	
	BIOL	485	Medical Terminology	1	
	CHEM	402/402L	Biochemistry II/Lab	4	
	BIOL	487	Statistical Applications in the Sciences	1	
	CHEM	251	Introduction to Dentistry	3	

F.	**Concentration in Pre-Medical Technology**			**24**	**Sem Hrs**
	BIOL	307/307L	Human Physiology/Lab	4	
	BIOL	341	Microbiology	3	
	BIOL	390	Molecular Biology	3	
	BIOL	441	Genetics	3	
	BIOL	443	Principles of Immunology	3	
	BIOL	485	Medical Terminology	1	
	CHEM	250	Introduction to Medical Technology	2	
	CHEM		Electives	5	

G.	**Concentration in Pre-Medicine**			**25**	**Sem Hrs**
	BIOL	207/207L	Human Anatomy/Lab	4	
	BIOL	305	Histology	3	
	BIOL	307/307L	Human Physiology/Lab	4	
	BIOL	341	Microbiology	3	
	BIOL	441	Genetics	3	
	BIOL	442	Developmental Biology	3	
	BIOL	485	Medical Terminology	1	
	CHEM	402/402L	Biochemistry II/Lab	4	

H.	**Concentration in Pre-Occupational Therapy**			**24**	**Sem Hrs**
	BIOL	207/207L	Human Anatomy/Lab	4	
	BIOL	307/307L	Human Physiology/Lab	4	
	BIOL	485	Medical Terminology	1	
	CHEM	252	Introduction to Occupational Therapy	3	
	PSY	250	Developmental Psychology	3	
	BIOL	487	Statistical Application in the Sciences	1	
	PSY	360	Abnormal Psychology	3	
	CHEM		Elective	6	

I.	**Related Area Courses (Required)**		**14**	**Sem Hrs**
	CSC	Computer Science	3	
	PHIL 452	Introduction to Logic	3	
	PHYS 181C/181C L	University Physics I/Lab	4	
	PHYS 182C/182C L	University Physics II/Lab	4	
	Total Hours Required for Degree		**124**	**Sem Hrs**

**** All degrees are 124 Semester Hours except for Pre-Dentistry 126 and Pre-Medicine, 125 Semester Hours

CURRICULUM GUIDE FOR MAJOR IN IN CHEMISTRY WITH A CONCENTRATION IN BIOCHEMISTRY

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
GE	118	Precalculus	3
GE	122	Freshman Seminar	1
GE	140	World Civilization I	3
GE	135	Introduction to Music	2
GE		Physical Ed. Activity	1
CHEM	101/101L	General Chemistry/Lab	4
			17

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE	103	Comp. and Literature II	3
GE	130	Art Appreciation	2
GE	141	World Civilization II	3
MATH	157	Calculus and Analytical Geo	3
CHEM	102/102L	General Chemistry II/Lab	4
GE		Physical Activity	1
			16

SOPHOMORE YEAR

GE	201	World Literature I	3
CHEM	202/202L	Quantitative Chemistry/Lab	4
MATH	158	Calculus and Anat. Geometry II	3
BIOL	101/101L	General Biology I/Lab	4
GE	185	Health Concepts	2
			16

GE	202	World Literature II	3
CHEM	205	Inorganic Chemistry	3
BIOL	102/102L	General Biology II/Lab	4
PSY	212	General Psychology	3
CSC		Computer Science	3
			16

JUNIOR YEAR

BIOL	307/307L	Human Physiology/Lab	4
CHEM	301/301L	Organic Chemistry I/Lab	4
PHYS	181C/181C L	University Physics I/Lab	4
PSY	250	Developmental Psychology	3
			15

PHYS	182C/182	University Physics II/Lab	4
CHEM	302/302L	Organic Chemistry II/Lab	4
BIOL	442	Developmental Biology	3
PHIL	452	Introduction to Logic	3
		Electives	2
			16

SENIOR YEAR

CHEM	401/401L	Biochemistry I/Lab	4
BIOL	441	Genetics	3
CHEM	403/403L	Physical Chemistry/Lab	4
CHEM	499	Chemical Research	2
BIOL	487	Statistical App. in the Sciences	1
			14

CHEM	395	Introduction to Neuroscience	3
BIOL	390	Molecular Biology	3
CHEM	402/402L	Biochemistry II/Lab	4
CHEM	405/405L	Instrumental Methods/Lab	4
			14

CURRICULUM GUIDE FOR MAJOR IN CHEMISTRY WITH A CONCENTRATION IN PRE-PHYSICAL THERAPY

FRESHMAN YEAR

FIRST SEMESTER

COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
GE	118	Precalculus	3
GE	122	Freshman Seminar	1
GE	140	World Civilization I	3
GE	135	Introduction to Music	2
GE		Physical Ed. Activity	1
CHEM	101/101L	General Chemistry I/Lab	4
			17

SECOND SEMESTER

COURSE AND NUMBER			HRS
GE	103	Comp. and Literature II	3
GE	130	Art Appreciation	2
GE	141	World Civilization II	3
MATH	157	Calculus and Analytical Geo.	3
CHEM	102/102L	General Chemistry II/Lab	4
GE		Physical Activity	1
			16

SOPHOMORE YEAR

GE	185	Health Concepts	2
GE	201	World Literature I	3
MATH	158	Calc. and Analytical Geometry II	3
BIOL	101/101L	General Biology I/Lab	4
PHYS	181C/181CL	University Physics I/Lab	4
			16

GE	202	World Literature II	3
PHYS	182C/182CL	University Physics II/Lab	4
BIOL	102/102L	General Biology II/Lab	4
PSY	212	General Psychology	3
SOC	201	Introduction to Sociology	3
			17

JUNIOR YEAR

CHEM	202/202L	Quantitative Analysis/Lab	4
CHEM	301/301L	Organic Chemistry I/Lab	4
CSC		Computer Science	3
BIOL	485	Medical Terminology	1
CHEM	205	Inorganic Chemistry	3
			15

BIOL	307/307L	Human Physiology/Lab	4
PSY	250	Developmental Psychology	3
BIOL	207/207L	Human Anatomy/Lab	4
CHEM	302/302L	Organic Chemistry II/Lab	4
			15

SENIOR YEAR

CHEM	401/401L	Biochemistry I/Lab	4
BIOL	487	Statistical Application in the Sc.	1
PHIL	452	Introduction to Logic	3
CHEM	499	Chemical Research	2
		Elective	5
			15

CHEM	403/403L	Physical Chemistry/Lab	4
CHEM	253	Intro. to Physical Therapy	3
CHEM	395	Introduction to Neuroscience	3
BIOL	442	Developmental Biology	3
			13

CURRICULUM GUIDE FOR MAJOR IN CHEMISTRY WITH A CONCENTRATION IN PRE-DENTISTRY

FRESHMAN YEAR

FIRST SEMESTER

COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
GE	118	Precalculus	3
GE	122	Freshman Seminar	1
GE	140	World Civilization I	3
GE	135	Introduction to Music	2
GE		Physical Ed. Activity	1
CHEM	101/101L	General Chemistry I/Lab	4
			17

SECOND SEMESTER

COURSE AND NUMBER			HRS
GE	103	Comp. and Literature II	3
GE	130	Art Appreciation	2
GE	141	World Civilization II	3
MATH	157	Calc. and Analytical Geometry I	3
CHEM	102/102L	General Chemistry II/Lab	4
GE		Physical Activity	1
			16

SOPHOMORE YEAR

GE	201	World Literature I	3
CHEM	202/202L	Quantitative Chemistry/Lab	4
MATH	158	Calc. & Analytical Geometry II	3
BIOL	101/101L	General Biology I/Lab	4
PSY	212	General Psychology	3
			17

GE	202	World Literature II	3
BIOL	207/207L	Human Anatomy/Lab	4
BIOL	102/102L	General Biology II/Lab	4
CSC		Computer Science	3
GE	185	Health Concepts	2
			16

JUNIOR YEAR

CHEM	301/301L	Organic Chemistry I/Lab	4
PHYS	181C/181C/L	University Physics I/Lab	4
BIOL	485	Medical Terminology	1
BIOL	341	Microbiology	3
CHEM	205	Inorganic Chemistry	3
			16

PHYS	182C/182C/L	University Physics II/Lab	4
CHEM	302/302L	Organic Chemistry II/Lab	4
BIOL	487	Statistical Apps. in the Science	1
SOC	201	Introduction to Sociology	3
BIOL	307/307L	Human Physiology/Lab	4
			15

SENIOR YEAR

CHEM	401/401L	Biochemistry I/Lab	4
BIOL	441	Genetics	3
CHEM	403/403L	Physical Chemistry/Lab	4
CHEM	251	Introduction to Dentistry	3
			14

CHEM	395	Introduction to Neuroscience	3
CHEM	402/402L	Biochemistry II/Lab	4
ART	230	Sculpture I	3
CHEM	499	Chemical Research	2
PHIL	452	Introduction to Logic	3
			15

CURRICULUM GUIDE FOR MAJOR IN CHEMISTRY WITH A CONCENTRATION IN PRE-MEDICAL TECHNOLOGY

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
GE	118	Precalculus	3
GE	122	Freshman Seminar	1
GE	140	World Civilization I	3
GE	135	Introduction to Music	2
GE		Physical Ed. Activity	1
CHEM	101/101L	General Chemistry I/Lab	4
			17

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE	103	Comp. and Literature II	3
GE	130	Art Appreciation	2
GE	141	World Civilization II	3
MATH	157	Calculus and Analytical Geo. I	3
CHEM	102/102L	General Chemistry II/Lab	4
GE		Physical Activity	1
			16

SOPHOMORE YEAR

GE	201	World Literature I	3
CHEM	202/202L	Quantitative Chemistry/Lab	4
MATH	158	Calc. & Analytical Geometry II	3
BIOL	101/101L	General Biology I/Lab	4
PSY	212	General Psychology	3
			17

GE	202	World Literature II	3
BIOL	102/102L	General Biology II/Lab	4
CSC		Computer Science	3
GE	185	Health Concepts	2
SOC	201	Introduction to Sociology	3
			15

JUNIOR YEAR

BIOL	307/307L	Human Physiology/Lab	4
CHEM	301/301L	Organic Chemistry I/Lab	4
PHYS	181C/181CL	University Physics I/Lab	4
CHEM	205	Inorganic Chemistry	3
			15

CHEM	302/302L	Organic Chemistry II/Lab	4
PHYS	182C/181CL	University Physics II/Lab	4
CHEM	250	Introduction to Medical Tech	2
CHEM	499	Chemical Research	2
PHIL	452	Introduction to Logic	2
		Electives	3
			17

SENIOR YEAR

CHEM	401/401L	Biochemistry I/Lab	4
BIOL	441	Genetics	3
BIOL	341	Microbiology	3
CHEM	403/403L	Physical Chemistry	4
			14

CHEM	395	Introduction to Neuroscience	3
BIOL	390	Molecular Biology	3
BIOL	443	Principles of Immunology	3
BIOL	485	Medical Terminology	1
		Electives	3
			13

CURRICULUM GUIDE FOR MAJOR IN CHEMISTRY WITH A CONCENTRATION IN PRE-MEDICINE

FRESHMAN YEAR

FIRST SEMESTER

COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
GE	118	Precalculus	3
GE	122	Freshman Seminar	1
GE	140	World Civilization I	3
GE	135	Introduction to Music	2
GE		Physical Ed. Activity	1
CHEM	101/101L	General Chemistry I/Lab	4
			17

SECOND SEMESTER

COURSE AND NUMBER			HRS
GE	103	Comp. and Literature II	3
GE	130	Art Appreciation	2
GE	141	World Civilization II	3
MATH	157	Calculus and Analytical Geome	3
CHEM	102/102L	General Chemistry I/Lab	4
GE		Physical Activity	1
			16

SOPHOMORE YEAR

GE	201	World Literature I	3
CHEM	202/202L	Quantitative Chemistry/Lab	4
MATH	158	Calc. & Analytical Geometry II	3
BIOL	101/101L	General Biology I/Lab	4
PSY	212	General Psychology	3
			17

GE	202	World Literature II	3
BIOL	102/102L	General Biology II/Lab	4
CSC		Computer Science	3
GE	185	Health Concepts	2
SOC	201	Introduction to Sociology	3
			15

JUNIOR YEAR

BIOL	307/307L	Human Physiology/Lab	4
CHEM	301/301 L	Organic Chemistry I/Lab	4
PHYS	181C/181C L	University Physics I/Lab	4
CHEM	205	Inorganic Chemistry	3
			15

PHYS	182C/182C	University Physics II/Lab	4
CHEM	302/302L	Organic Chemistry II/Lab	4
BIOL	442	Developmental Biology	3
BIOL	485	Medical Terminology	1
PHIL	452	Introduction to Logic	3
			15

SENIOR YEAR

CHEM	401/401L	Biochemistry I/Lab	4
BIOL	441	Genetics	3
CHEM	403/403L	Physical Chemistry/Lab	4
BIOL	341	Microbiology	3
CHEM	499	Chemical Research	2
			16

CHEM	395	Introduction to Neuroscience	3
CHEM	402/402L	Biochemistry II/Lab	4
BIOL	305	Histology	3
BIOL	207/207L	Human Anatomy/Lab	4
			14

CURRICULUM GUIDE FOR MAJOR IN CHEMISTRY WITH A CONCENTRATION IN PRE-OCCUPATIONAL THERAPY

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
GE	118	Precalculus	3
GE	122	Freshman Seminar	1
GE	140	World Civilization I	3
GE	135	Introduction to Music	2
CHEM	101/101L	General Chemistry I/Lab	4
			16

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE	103	Comp. and Literature II	3
GE	130	Art Appreciation	2
GE	141	World Civilization II	3
MATH	157	Calculus and Analytical Geo. I	3
CHEM	102/102L	General Chemistry II/Lab	4
GE		Physical Activity	1
			16

SOPHOMORE YEAR

GE	185	Health Concepts	2
GE	201	World Literature I	3
MATH	158	Calc. & Analytical Geometry II	3
BIOL	101/101L	General Biology I/Lab	4
PHYS	181C/181CL	General Physics I/Lab	4
GE		Physical Ed. Activity	1
			17

GE	202	World Literature II	3
PHYS	182C/182C	General Physics II/Lab	4
BIOL	102/102L	General Biology II/Lab	4
PSY	212	General Psychology	3
SOC	201	Introduction to Sociology	3
			17

JUNIOR YEAR

CHEM	202/202L	Quantitative Analysis/Lab	4
CHEM	301/301L	Organic Chemistry I/Lab	4
CSC		Computer Science	3
PSY	360	Abnormal Psychology	3
CHEM	205	Inorganic Chemistry	3
			17

BIOL	307/307L	Human Physiology/Lab	4
PSY	250	Developmental Psychology	3
BIOL	207/207L	Human Anatomy/Lab	4
CHEM	302/302L	Organic Chemistry II/Lab	4
BIOL	485	Medical Terminology	1
			16

SENIOR YEAR

CHEM	401/401L	Biochemistry/Lab	4
CHEM	403/403L	Physical Chemistry	4
CHEM	252	Introduction to Occupat.	3
		Elective	3
			14

PHIL	452	Introduction to Logic	3
CHEM	395	Introduction to Neuroscience	3
BIOL	487	Statistical Application in the Sc.	1
CHEM	499	Chemical Research	2
		Elective	3
			12

CURRICULUM GUIDE FOR MAJOR IN CHEMISTRY WITH A MINOR IN SECONDARY EDUCATION

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
GE	118	Precalculus	3
GE	122	Freshman Seminar	1
GE	140	World Civilization I	3
CHEM	101/101L	Gen. Chemistry I/Lab	4
GE	135	Intro. to Music Literature	2
			16

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE	103	Comp. and Literature II	3
GE	130	Art Appreciation	2
GE	141	World Civilization II	3
MATH	157	Calculus and Analytical Geo. I	3
CHEM	102/102L	Gen. Chemistry II/Lab	4
GE		Physical Ed. Activity	1
			16

SOPHOMORE YEAR

GE	155/L	Prin. Biol. Sci./Lab	4	GE	202	World Literature II	3
GE	201	World Literature I	3	CHEM	202/L	Quant. Analysis/Lab	4
MATH	158	Calc. & Analytical Geometry II	3	GE	158/L	Prin. of Geol. Sci./Lab	4
CHEM	205	Inorganic Chemistry	3	GE	185	Health Concepts	2
PSY	212	Gen. Psychology	3	EDUC	201	Found. of Eduction	3
GE		Physical Ed. Activity	1	GE	220	Sophomore Seminar	1
			17				17

JUNIOR YEAR

CHEM	301/L	Organic Chem. I/Lab	4	CHEM	302/L	Organic Chem. II/Lab	4
PHYS	181/L	Gen. Physics I/Lab	4	PSY	182/L	Gen. Physics II/Lab	4
PSY	302	Human Development	3	CHEM	350	Chemistry Seminar	1
PSY	309	Educational Psychology	3	READ	320	Tch. Read/Content Area	2
GE	142	Intro. to Geography	3	CSC	115	Computer Science I	3
			17				14

SENIOR YEAR

EDUC	400	*Senior Seminar	P/F			Chemistry Elective	4
EDUC	430	Sec. Inst. Methods	3	EDUC	474	Obser./Super. Student Teaching	6
SPED	200	Sur. of Exept. Children & Youth	3	EDUC	478	**Seminar/Cont. Educ. Issues	P/F
EDUC	479	Multicultural Education	3	EDUC		Elective	2
CHEM	401/L	Biochemistry/Lab	4				12
CHEM	403/L	Physical Chem. I/Lab	4				
			17				

* Optional to those who have passed the pre-test.
** Optional, unless otherwise stipulated by respective department.

MAJOR: B.S. Degree in Physics

A.	General Education Core		43	Sem Hrs
	GE 102	Composition and Literature I	3	
	GE 103	Composition and Literature II	3	
	GE 118	Pre-Calculus	3	
	GE 122	Freshman Seminar	1	
	GE 130	Art Appreciation	2	
	GE 135	Introduction to Music Literature	2	
	GE 140	World Civilization I	3	
	GE 141	World Civilization II	3	
	GE 185	Health Concepts	2	
	GE 201	World Literature I	3	
	GE 202	World Literature II	3	
	CHEM 101/101L	General Chemistry I/Lab	4	
	MATH 157	Cal. & Anal. Geom. I	3	
	PSY 212	General Psychology	3	
	SOC 201	Introduction to Sociology	3	
		Physical Education	2	

B.	Major Core Requirements		33	Sem Hrs
	PHYS 181C/181L	University Physics I/Lab	4	
	PHYS 182C/182L	University Physics II/Lab	4	
	PHYS 201	Mechanics I	3	
	PHYS 202	Mechanics II	3	
	PHYS 301	Electricity and Magnetism I	3	
	PHYS 302	Electricity and Magnetism II	3	
	PHYS 310	Optics	3	

PHYS 320 Thermodynamics 3
PHYS 330 Junior Laboratory 2
PHYS 433 Senior Laboratory 2
PHYS 481 Modern Physics I 3

C. Concentration in Aviation Science ..... 33 Sem Hrs

1. Concentration core requirements ..... 24 Sem Hrs
   - AVI 210 Introduction to Aeronautics 3
   - AVI 220 Air Transportation 3
   - AVI 312 Aviation Safety 3
   - AVI 314 Aviation Meteorology 3
   - AVI 315 Aviation Legislation 3
   - AVI 410 Aerodynamics and Aircraft Performance 3
   - AVI 413 Air Traffic Control 3
   - AVI 416 National Airspace System 3
2. Restricted Electives ..... 9 Sem Hrs

   Select nine semester hours from the following:
   - PHYS 203/203L Astronomy/Lab 4
   - PHYS 321 Electronics 3
   - PHYS 441 Mathematical Methods of Physics 3
   - PHYS 442 Mathematical Methods of Physics 3
   - PHYS 482 Modern Physics II 3
   - PHYS 484 Quantum Mechanics 3
   - PHYS 486 Physics Seminar 1
   - PHYS 499 Physics Research 2
   - PHYS 487 Sound 3
   - CHEM102/102L General Chemistry II/Lab 4

D. Concentration in Medical Physics ..... 35 Sem Hrs

1. Concentration core requirements ..... 26 Sem Hrs
   - CHEM 301/301L Organic Chemistry I /Lab 4
   - CHEM 102/102L General Chemistry II/Lab 4
   - BIOL 101/101L General Biology I/Lab 4
   - BIOL 102/102L General Biology II/Lab 4
   - MATH 351 Linear Algebra 3
   - BIOL 202 Introduction to Physiology 3
   - BIOL 201/201L Comparative vertebrate anatomy 4
2. Restricted Electives ..... 9 Sem Hrs

   Select nine semester hours from the following:
   - PHYS 203/203L Astronomy/Lab 4
   - PHYS 321 Electronics 3
   - PHYS 441 Mathematical Methods of Physics 3
   - PHYS 442 Mathematical Methods of Physics 3
   - PHYS 482 Modern Physics II 3
   - PHYS 484 Quantum Mechanics 3
   - PHYS 486 Physics Seminar 1
   - PHYS 499 Physics Research 2
   - PHYS 487 Sound 3
   - PHYS 470 Medical Physics 3

E. Concentration in Biophysics ..... 33 Sem Hrs

1. Concentration core requirements ..... 24 Sem Hrs
   - CHEM 301/301L Organic Chemistry I/Lab 4
   - CHEM 401/401L Biochemistry I/Lab 4
   - BIOL 101/101L General Biology I/Lab 4

BIOL 102/102L General Biology II/Lab 4
BIOL 380 Cell Biology 3
BIOL 441 Genetics 3
BIOL 487 Stat. Appli. In the Science 1
BIOL 485 Medical Terminology 1

2. Restricted Electives ..... 9 Sem Hrs

Select nine semester hours from the following:

PHYS 203/203L Astronomy/Lab 4
PHYS 321 Electronics 3
PHYS 441 Mathematical Methods of Physics 3
PHYS 442 Mathematical Methods of Physics 3
PHYS 482 Modern Physics II 3
PHYS 484 Quantum Mechanics 3
PHYS 486 Physics Seminar 1
PHYS 499 Physics Research 2
PHYS 487 Sound 3
PHYS 402/402L Biophysics II/Lab 4
PHYS 401/401L Biophysics I/Lab 4
CHEM 102/102L General Chemistry II/Lab 4

F. Concentration in Pre-Medicine ..... 33 Sem Hrs

1. Concentration core requirements ..... 24 Sem Hrs

CHEM 301/301L Organic Chemistry I /Lab 4
CHEM 302/302L Organic Chemistry II/Lab 4
BIOL 101/101L General Biology I/Lab 4
BIOL 102/102L General Biology II/Lab 4
BIOL 207/207L Human Anatomy/Lab 4
BIOL 341 Microbiology 3
BIOL 485 Medical Terminology 1

2. Restricted Electives ..... 9 Sem Hrs

Select nine semester hours from the following:

PHYS 203/203L Astronomy/Lab 4
PHYS 321 Electronics 3
PHYS 441 Mathematical Methods of Physics 3
PHYS 442 Mathematical Methods of Physics 3
PHYS 482 Modern Physics II 3
PHYS 484 Quantum Mechanics 3
PHYS 486 Physics Seminar 1
PHYS 499 Physics Research 2
PHYS 481 Sound 3
CHEM 102/102L General Chemistry II/Lab 4

G. Concentration in Pre-Physical Therapy ..... 34 Sem Hrs

1. Concentration core requirements ..... 25 Sem Hrs

PSY 302 Human Development 3
STAT 352 Probability & Statistics II 3
BIOL 101/101L General Biology I/Lab 4
BIOL 102/102L General Biology II/Lab 4
BIOL 209/209L Prin. Of Anatomy and Physi./Lab 4
BIOL 305 Histology 3
BIOL 307/307L Human Psychology 4

2. Restricted Electives ..... 9 Sem Hrs

Select nine semester hours from the following:

PHYS 203/203L Astronomy/Lab 4

PHYS	321	Electronics	3
PHYS	441	Mathematical Methods of Physics	3
PHYS	442	Mathematical Methods of Physics	3
PHYS	482	Modern Physics II	3
PHYS	484	Quantum Mechanics	3
PHYS	486	Physics Seminar	1
PHYS	499	Physics Research	2
PHYS	487	Sound	3
CHEM	102/102L	General Chemistry II/Lab	4
STAT	351	Probability & Statistics II	3

H. Related Areas Course Requirements ..... 15 Sem Hrs

CSC		Computer Science I	3
MATH	158	Cal. and Analytic Geometry II	3
MATH	256	Cal. and Analytic Geometry III	3
MATH	257	Cal. and Analytic Geometry IV	3
MATH	458	Differential Equations	3

Total Hours required for Degree ..... 124 -126 Sem Hrs

* The course to be developed

CURRICULUM GUIDE FOR MAJORS IN PHYSICS

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	102	Comp. And Literature I	3
GE	118	Pre-calculus	3
GE	122	Freshman Seminar	1
GE	140	World Civilization	3
GE		Physical Ed. Activity	1
CHEM	101/L	Gen. Chemistry I/Lab	4
			15

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE	103	Comp. And Literature II	3
GE	141	World Civilization II	3
GE	130	Art Appreciation	2
MATH	157	Cal. and Analytic Geometry I	3
CSC		Computer Science I	3
GE		Physical Ed. Activity	1
			15

SOPHOMORE YEAR

GE	135	Intro. To Mus. Literature	2
GE	201	World Literature I	3
MATH	158	Cal. and Analytic Geometry II	3
PHYS	181C/L	Univ. Physics I/Lab	4
		Soc./Behav. Sci.	3
			15

GE	202	World Literature II	3
GE		Soc./Behav. Sci.	3
GE	185	Health Concepts	2
MATH	256	Cal. and Analytic Geometry III	3
PHYS	182C/L	Univ. Physics II/Lab	4
			15

JUNIOR YEAR

PHYS	201	Mechanics I	3
PHYS	301	Electricity and Magnetism I	3
MATH	258	Cal. and Analytic Geometry IV	3
		Minor/Electives	6
			15

PHYS	202	Mechanics II	3
PHYS	302	Electricity and Magnetism II	3
PHYS	330	Jr. Laboratory	2
MATH	458	Differential Equations	3
		Minor/Electives	6
			17

SENIOR YEAR

PHYS	310	Optics	3
PHYS	433	Senior Laboratory	2
		Physics Elective	3
PHYS	481	Modern Physics I	3
		Minor Electives	6
			17

PHYS	320	Thermodynamics	3
		Physics Electives	6
		Minor Electives	6
			15

CURRICULUM GUIDE FOR MAJOR IN PHYSICS WITH CONCENTRATION IN AVIATION SCIENCE

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	102	Comp. And Lit. I	3
GE	118	Pre-calculus	3
GE	122	Freshman Sem.	1
GE	140	World Civilization	3
GE		Phys. Ed. Activity	1
CHEM	101/L	Gen. Chem./Lab	4
			15

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE	103	Comp. And Lit. II	3
GE	141	World Civilization II	3
GE	130	Art Appreciation	2
MATH	157	Cal. And Anal. I	3
CSC		Computer Sci. I	3
GE		Phys. Ed. Activity	1
			15

SOPHOMORE YEAR

GE	135	Intro. To Mus. Liter.	2
GE	201	World Literature I	3
MATH	158	Cal. And Anal. II	3
PHYS	181/181L	Univ. Phys. I/Lab	4
PSY	212	General Psychology	3
			15

GE	202	World Liter. II	3
SOC	201	Intro. to Sociology	3
GE	185	Health Concepts	2
MATH	256	Cal. And Anal. III	3
PHYS	182C/182L	Univ. Phys. II/Lab	4
			15

JUNIOR YEAR

PHYS	201	Mechanics I	3
PHYS	301	Electricity and Magnetism I	3
MATH	257	Cal. And Anal. IV	3
AVI	220	Air Transportation	3
AVI	210	Intro. to Aeronautics	3
PHYS	330	Junior Lab	2
			17

PHYS	202	Mechanics II	3
PHYS	302	Electricity and Magnetism II	3
AVI	312	Aviation Safety	3
AVI	314	Aviation Meteor.	3
MATH	458	Differential Equations	3
PHYS	433	Senior Lab	2
			17

SENIOR YEAR

PHYS	310	Optics	3
PHYS	441	Math. of Physics	3
AVI	315	Aviation Legisl.	3
AVI	410	Aerody. and Air	3
PHYS	481	Modern Physics I	3
			15

PHYS	320	Thermodynamics	3
PHYS	482	Modern Physics II	3
PHYS	442	Mathematical Methods of Phys. II	3
AVI	413	Air Traffic Control	3
AVI	416	Nat. Airspace Sys	3
			15

CURRICULUM GUIDE FOR MAJOR IN PHYSICS WITH CONCENTRATION IN MEDICAL PHYSICS

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	102	Comp. And Lit. I	3
GE	118	Pre-calculus	3
GE	122	Freshman Seminar	1
GE	140	World Civilization I	3
GE		Phys. Ed. Activity	1
CHEM	101/101L	General Chemistry/Lab	4
			15

SECOND SEMESTER			
COURSE AND NUMBER			HRS
GE	103	Comp. And Literature II	3
GE	141	World Civilization II	3
GE	130	Art Appreciation	2
CHEM	102/102L	General Chemistry II/Lab	4
CSC	115	Computer Science I	3
GE		Physical Ed. Activity	1
			16

SOPHOMORE YEAR

GE	135	Intro. To Mus. Liter.	2	GE	202	World Liter. II	3
GE	201	World Literature I	3	GE	185	Health Concepts	2
MATH	157	Calculus And Analytic I	3	MATH	158	Calculus And Analytic II	3
PHYS	181C/181L	Univ. Phys. I/Lab	4	PHYS	182C/182L	University Physics II/Lab	4
BIOL	101/101L	General Biology I/Lab	4	BIOL	102/102L	General Biology II/Lab	4
			15				15

JUNIOR YEAR

PHYS	201	Mechanics I	3	PHYS	202	Mechanics II	3
PHYS	301	Electricity & Magnetism I	3	PHYS	302	Electricity & Magnetism II	3
MATH	256	Calculus And Analytic III	3	MATH	257	Calc. and Analytic IV	3
PHYS	330	Junior Lab	2	SOC	201	Introduction to Sociology	3
PHYS	212	General Psychology	3	CHEM	301/301L	Organic Chem. II/L	4
BIOL	207	Human Anatomy	4				16
			17				

SENIOR YEAR

PHYS	310	Optics	3	PHYS	320	Thermodynamics	3
PHYS	433	Senior Laboratory	2	BIOL	202	Introduction to Physiology	3
PHYS	470	Medical Physics	3	PHYS	452	Modern Physics	3
MATH	351	Linear Algebra	3	PHYS	470	Quantum Mechanics	3
PHYS	481	Modern Physics I	3	MATH	458	Differential Equations	3
			14				15

CURRICULUM GUIDE FOR MAJOR IN PHYSICS WITH CONCENTRATION IN BIOPHYSICS

FRESHMAN YEAR

FIRST SEMESTER				SECOND SEMESTER			
COURSE AND NUMBER			HRS	COURSE AND NUMBER			HRS
GE	102	Comp. And Lit. I	3	GE	103	Comp. And Lit. H	3
GE	118	Pre-calculus	3	GE	141	World Civilization II	3
GE	122	Freshman Seminar	1	GE	130	Art Appreciation	2
GE	140	World Civilization I	3	MATH	157	Calculus & Analytical Geometry I	3
GE		Phys. Ed. Activity	1	CSC	115	Computer Science I	3
CHEM	101/101L	Gen. Chem./Lab	4	GE		Physical Ed. Activity	1
			15				16

SOPHOMORE YEAR

GE	135	Introduction to Music Literature	2	GE	202	World Liter. II	3
GE	201	World Literature I	3	GE	185	Health Concepts	2
BIOL	101/101L	General Biology I/Lab	4	MATH	256	Calculus & Analytic III	3
PHYS	181C/181L	University Physics I/Lab	4	PHYS	182C/182L	Univ. Phys. II/Lab	4
MATH	158	Cal. & Analytical Geometry II	3	PHYS	102/102L	General Biology II/Lab	4
			16	PHYS	102/102L	Statistics App. in the Science	1
							17

JUNIOR YEAR

PHYS	201	Mechanics I	3	PHYS	202	Mechanics II	3
PHYS	301	Electricity & Magnetism I	3	PHYS	302	Electricity & Magnetism II	3
MATH	257	Cal. & Analytical Geometry IV	3	BIOL	380	Cell Biology	3
CHEM	301/301L	Organic Chemistry I/L	4	MATH	458	Differential Equations	3
PHYS	211/211L	Biophysics I/Lab	4	PHYS	212/212L	Biophysics II/Lab	4
			17				17

SENIOR YEAR

PHYS 310	Optics	3	
PHYS 330	Junior Laboratory	2	
CHEM 401/401L	Biochemistry I/Lab	4	
PHYS 481	Modern Physics I	3	
SOC 201	Introduction to Sociology	3	
		15	
PHYS 320	Thermodynamics	3	
BIOL 441	Genetics	3	
PHYS 499	Physics Research	2	
PSY 212	General Psychology	3	
PHYS 433	Senior Laboratory	1	
		12	

CURRICULUM GUIDE FOR MAJOR IN PHYSICS WITH CONCENTRATION IN PRE-MEDICINE

FRESHMAN YEAR

FIRST SEMESTER COURSE AND NUMBER			HRS
GE 102	Comp. And Lit. I	3	
GE 118	Pre-calculus	3	
GE 122	Freshman Seminar	1	
GE 140	World Civilization I	3	
GE	Phys. Ed. Activity	1	
CHEM 101/101L	Gen. Chemistry/Lab	4	
		15	

SECOND SEMESTER COURSE AND NUMBER			HRS
GE 103	Comp. And Lit. II	3	
GE 141	World Civilization II	3	
GE 130	Art Appreciation	2	
MATH 157	Cal. & Analytical Geometry I	4	
CSC 115/118	Computer Science	3	
GE	Phys. Ed. Activity	1	
		16	

SOPHOMORE YEAR

GE 135	Intro. To Mus. Liter.	2	
GE 201	World Literature I	3	
MATH 158	Cal. & Analytical Geometry II	3	
PHYS 181C/181L	Univ. Phys. I/Lab	4	
PSY 212	General Psychology	3	
		15	
GE 202	World Liter. II	3	
SOC 201	Introduction Sociology	3	
GE 185	Health Concepts	2	
MATH 256	Cal. & Analytical Geometry III	3	
PHYS 182C/182L	University Physics II/Lab	4	
		15	

JUNIOR YEAR

PHYS 201	Mechanics I	3	
PHYS 301	Electricity & Magnetism I	3	
MATH 257	Cal. & Analytical Geometry IV	3	
CHEM 301/L	Organic Chem. I/L	4	
BIOL 101/101L	General Biology I/Lab	4	
		17	
PHYS 202	Mechanics II	3	
PHYS 302	Electricity & Magnetism II	3	
BIOL 102/102L	General Biology II/Lab	4	
MATH 458	Differential Equations	3	
CHEM 302/302L	Organic Chem.II/I	4	
		17	

SENIOR YEAR

PHYS 310	Optics	3	
PHYS 330	Junior Laboratory	2	
PHYS 441	Math. Methods of Physics I	3	
BIOL 485	Medical Terminology	1	
BIOL 341	Microbiology	3	
PHYS 481	Modern Physics I	3	
		15	
PHYS 320	Thermodynamics	3	
PHYS 482	Modern Physics II	3	
PHYS 442	Math. Methods of Physics II	3	
BIOL 207/207L	Human Anat./Lab	4	
PHYS 433	Senior Laboratory	2	
		14	

CURRICULUM GUIDE FOR MAJOR IN PHYSICS WITH CONCENTRATION IN PRE-PHYSICAL THERAPY

FRESHMAN YEAR

FIRST SEMESTER

COURSE AND NUMBER			HRS
GE	102	Comp. And Lit I	3
GE	118	Pre-calculus	3
GE	122	Freshman Seminar	1
GE	140	World Civilization I	3
GE		Physical Ed. Activity	1
CHEM	101/101L	General Chemistry/Lab	4
			15

SECOND SEMESTER

COURSE AND NUMBER			HRS
GE	103	Comp. And Lit. II	3
GE	141	World Civilization II	3
GE	130	Art Appreciation	2
MATH	157	Cal. & Analytic Geometry I	3
CSC	115/118	Computer Science I	3
GE		Phys. Ed. Activity	1
			16

SOPHOMORE YEAR

GE	135	Intro. To Mus. Liter.	2
GE	201	World Literature I	3
MATH	158	Cal. & Analytic Geometry II	3
PHYS	181C/181L	University Physics I/Lab	4
BIOL	101/101L	General Biology I/Lab	3
			15

GE	202	World Liter. II	3
SOC	201	Introduction to Sociology	3
GE	185	Health Concepts	2
BIOL	158	General Biology II/Lab	4
PHYS	182C/182L	University Physics II/Lab	4
MATH	256	Cal. & Analytical Geometry III	3
			15

JUNIOR YEAR

PHYS	201	Mechanics I	3
PHYS	301	Electricity & Magnestism I	3
MATH	257	Cal. & Analytic Geometry IV	3
STAT	351	Probability and Statistics I	3
PSY	212	General Psychology	3
PHYS	330	Junior Lab	2
			17

PHYS	202	Mechanics II	3
PHYS	302	Electricity & Magnestism II	3
PHYS	433	Senior Lab	2
CHEM	253	Introduction to Physical Therapy	3
STAT	352	Prob. And Stat. II	3
MATH	458	Differential Equations	3
			17

SENIOR YEAR

PHYS	310	Optics	3
BIOL	207/207L	Human Anatomy	4
PHYS	441	Mathematical Methods of Phys. I	3
PSY	250	Developmental Psychology	3
PHYS	481	Modern Physics I	3
			16

PHYS	320	Thermodynamics	3
PHYS	482	Modern Physics II	3
PHYS	442	Mathematical Methods of Phys. II	3
BIOL	307/307L	Human Psychology /Lab	4
SOC	201	Introduction to Sociology	3
			16

CURRICULUM GUIDE FOR MAJOR IN PHYSICS WITH CONCENTRATION IN SECONDARY EDUCATION

FRESHMAN YEAR

FIRST SEMESTER

COURSE AND NUMBER			HRS
GE	102	Comp. And Lit. I	3
GE	118	Pre-calculus	3
GE	122	Freshman Sem.	1
GE	140	World Civilization	3
GE		Phys. Ed. Activity	1
CHEM	101/L	Gen. Chem./Lab	4
			15

SECOND SEMESTER

COURSE AND NUMBER			HRS
GE	103	Comp. And Lit. II	3
GE	141	World Civilization II	3
GE	130	Art Appreciation	2
MATH	157	Cal. And Anal. I	3
CSC		Computer Sci. I	3
GE		Phys. Ed. Activity	1
			15

SOPHOMORE YEAR

GE	135	Intro. To Mus. Liter.	2	GE	202	World Liter. II	3
GE	201	World Literature I	3	SOC	201	Intro. to Sociology	3
MATH	158	Cal. & Anal. II	3	GE	185	Health Concepts	2
PHYS	181/181L	Univ. Phys. I/Lab	4	MATH	256	Cal. And Anal. III	3
GE		Soc/Behav. Sci.	3	PHYS	182C/L	Univ. Phys. II/Lab	4
			15				15

JUNIOR YEAR

PEWS	201	Mechanics I	3	PHYS	202	Mechanics II	3
PHYS	301	Electricity and Magnetism I	3	PHYS	302	Electricity and Magnetism II	3
MATH	257	Cal. & Anal. IV	3	PHYS	330	Junior Lab	2
PHY	309	Educ. Psychology	3	EDUC	201	Found of EDUC.	3
PSY	212	General Psychology	3	EDUC	479	Multicul. EDUC.	3
			15	MATH	458	Differential Equs	3
							17

SENIOR YEAR

PHYS	310	Optics	3	PEWS	320	Thermodynamics	3
PHYS	433	Senior Laboratory	2	PHYS	482	Modern Physics II	3
PHYS	441	Math. of Physics I	3	PHYS	442	Math. of Physics II	3
EDUC	430	Sec. Inst. Methods	3	EDUC	400	Senior Seminar	P/F
PHYS	481	Modern Physics I	3	EDUC	474	Obser/Super Stu	6
			14				15

MINOR: Chemistry

A. Required Courses ..... 17 Sem Hrs

CHEM	101/101L	General Chemistry I/Lab	3/1
CHEM	102/102L	General Chemistry II/Lab	3/1
CHEM	202/202L	Quantitative Analysis/Lab	2/2
CHEM	301/301L	Organic Chemistry I/Lab	3/1

B. Select One Course From The Following ..... 4 Sem Hrs

CHEM	302/302L	Organic Chemistry II/Lab	3/1
		OR	
CHEM	401/401L	Biochemistry/Lab	3/1
		OR	
CHEM	403/403L	Physical Chemistry I/Lab	3/1

Total Hours Required for Minor ..... 20 Sem Hrs

MINOR: Phsyics

A. Required Courses ..... 17 Sem Hrs

PHYS	181C/181L	University Physics I/Lab	3/1
PHYS	182C/182L	University Physics II/Lab	3/1
PHYS	201	Mechanics I	3
PHYS	301	Electricity and Magnetism I	3
PHYS	310	Optics	3

B. Select One Course From The Following ..... 3 Sem Hrs

PHYS	202	Mechanics II	3
		OR	
PHYS	302	Electricity and Magnetism II	3
		OR	
PHYS	320	Thermodynamics	3

Total Hours Required for Minor ..... 20 Sem Hrs

CHEMISTRY

CHEM 101: General Chemistry I (3) (F;S;SS)
First course of a two-semester sequence. Treats In-depth fundamental concepts of chemistry starting with measurements, formulas and equations, elementary stiochiometry, atomic structure and bonding, relationship of periodic Classification of elements, properties of gases and liquids. Lecture: three hours per week. Corequisite: CHEM 101 L.

CHEM 101 L: General Chemistry I Laboratory (FS;SS)
Laboratory experiments designed to reinforce the concepts of general chemistry. Three hours of laboratory per week. Corequisite: CHEM 101.

CHEM 102: General Chemistry II (3) (F;S)
Second course of a two-semester sequence. Deals with topics such as solutions, acids, bases, salts, oxidation-reduction, chemical equilibrium, chemical kinetics, the solubility product principles, electrochemistry, and nuclear chemistry. Prerequisite: CHEM 101/L; Corequisite: CHEM 102L.

CHEM 102L: General Chemistry II Laboratory (1) (F;S)
Laboratory experiments designed to reinforce the principle of general chemistry including qualitative analysis. Three hours of laboratory per week. Corequisite; CHEM 102.

CHEM 202: Quantitative Analysis (2) (F)
Theory, calculation, and techniques of gravimetric, titrimetric, and photometric methods of analysis are treated. Thorough coverage of topics on ionic equilibria, weak electrolytes, solubility products, complex ions, and redox reactions. Lecture: two hours per week. Prerequisite: CHEM 101 L; Corequisite: CHEM 202L.

CHEM 202L: CHEM 202: Quantitative Analysis (2) (S)
Covers laboratory experiments to reinforce the techniques of quantitative chemical analysis. This course must be taken with CHEM 202. Six hours of laboratory per week. Corequisite: CHEM 202

CHEM 205: Inorganic Chemistry (3) (F)
Designed to give students the chemistry of the elements including structures, properties, and chemical periodicity, descriptive chemistry of the elements, and reactions of transition metal complexes. Lecture: three hours per week. Prerequisite: CHEM 102L.

***CHEM 250: Introduction to Medical Technology (2) (S)**
Medical Technology is clinical laboratory science related to the prevention, diagnosis and therapy of disease. The course is designed to give the student a basic overview of the profession of medical technology and an appreciation of how the medical technologist contributes, as a member of the allied health team, to quality patient care. Some of the topics that will be explored in this course include: Medical Technology educational requirements, certification, the role of accrediting agencies, responsibilities of the medical technologists and how they relate to other health professions and the patient, employment opportunities, and professionalism. A practicing medical technologist will teach the course. Lecture: two hours per week. Prerequisite: CHEM 102, BIOL 102 or Permission from Course Coordinator.

***CHEM 251: Introduction to Dentistry (3) (F)**
This course is designed to give a student an understanding of dentistry and dental hygiene as professions and to develop some basic skills in these professions. The course will give students basic knowledge in dental anatomy, tooth morphology and dentistry as a career. Laboratory experience will include rotations in dental offices in the city to acquire on-site experience in the life of a dentist. The students will make *dental impressions* that will be evaluated by a practicing dentist. This course will be taught by local dentists but coordinated in the Department of Chemistry and Physics. Lecture: three hours per week. Prerequisite: CHEM 102/102L and BIOL 102/102L.

***CHEM 252: Introductory to Occupational Therapy (3) (F)**
The Department of Chemistry and Physics offers an introductory course for students interested in the field of occupational therapy. Taught by a licensed and practicing occupational therapist, the course explores the philosophy and practice of occupational therapy (helping (i) people with disabilities regain independence and (ii) injured people get back to work). They will have an opportunity to observe an occupational therapist at work. ECSU does not award a degree in occupational therapy. However, with a concentration in Occupational Therapy at ECSU a student is able to satisfy prerequisite coursework for acceptance into Master's degree in Occupational Therapy School at UNC Chapel Hill or East Carolina University. Lecture: three hours per week. Prerequisite: CHEM 102 and BIOL 102.

***CHEM 253: Introduction to Physical Therapy (3) (S)**
The course explores the profession of physical therapy. This course provides an explanation of the philosophy and history of the physical therapy profession and its relationship to other health care agencies and providers. The course will cover examination, evaluation and intervention aspects of physical therapy practice. Emphasis will be on history taking, systems review, and functional examination as intervention as well as documentation. An exciting component of the course is making visits to local physical therapy facilities. It will enable the students to get a better understanding of the various settings in which physical therapists work. The course will be taught by a practicing physical therapist. Lecture: three hours per week. Prerequisite: CHEM 102 and BIOL 102.

CHEM 301: Organic Chemistry I (3) (F;SS)
Thorough coverage of nomenclature, preparation, properties, and synthesis of carbon compounds, particularly aliphatic and alicyclic hydrocarbons. Special emphasis is given to mechanism and stereochemistry as it relates to organic reactions. Lecture: three hours per week. Prerequisite: CHEM 102/L; Corequisite: CHEM 301L

CHEM 301L: Organic Chemistry I Laboratory (F;SS)
Experimental techniques covering preparation, separation, and identification of organic compounds. Three hours of laboratory per week. Prerequisite: CHEM 301/L; Corequisite: CHEM 302L.

CHEM 302: Organic Chemistry I (3)(S)
A continuation of CHEM 301. Includes chemistry of aromatic compounds, alcohols, phenol, ethers, aldehydes, ketones, and carboxylic acids including their major reactions, functionality and reaction mechanism. Also included are topics of physical methods of organic structure determination. Lecture: three hours per week. Prerequisite: CHEM 301/L; Corequisite: CHEM 302L.

CHEM 302L: Organic Chemistry II Laboratory (1) (S)
Experimental methods of preparation, synthesis, and identification of organic compounds. Laboratory: three hours per week. Prerequisite: CHEM 302.

CHEM 350: Chemistry Seminar (1-3) (F;S)
Provides opportunities for chemistry majors to report on recent advances in chemistry. Reports may be development from a actual research work conducted by the student or generated from the literature. One report will be presented to an audience of faculty and students in chemistry and related areas by each student enrolled in the course. Students may enroll for up to three semester hours of credit Prerequisite: Consent of Department Chairperson. with CHEM 405. Six hours of laboratory per week. CHEM 405.

CHEM 395: Introduction to Neuroscience (3) (S)
An interdisciplinary course investigating the biological and chemical processes involved in central nervous system functioning and communication. It is a study of the nervous system from its structure, chemical, molecular and cellular biology and function through to the consequences of its action, which is behavior. Emphasis will include the chemical aspects of synthesis, metabolism, and release of neurotransmitters and how drugs (legal or illegal) affect behavior. The neurodegeneration in such behavioral and neurological disease states as Alzheimer's disease, Parkinson's disease, multiple sclerosis and diabetic neuropathy will be discussed. Current research topics in this area will also be presented. Lecture: three hours per week. Prerequisite: CHEM 302 or BIOL 307

CHEM 401: Biochemistry: (3) (F)
An introductory biochemistry course which includes chemistry and biochemistry of carbohydrates, proteins, fats, enzymes; provides introduction of intermediary metabolism. Biosynthetics reactions will include glycogen, fatty acids, cholesterol and protein synthesis. Lecture: three hours per week. Prerequisite: CHEM 301/L; Corequisite: CHEM 401L

CHEM 401L: Biochemistry Lab (1) (F)
Laboratory experiments involve basic techniques of biochemistry. Laboratory: three hours per week. Corequisite: CHEM 401.

CHEM 402: Biochemistry II (3) (S)
This is a continuation of Biochemistry 401. The course continues the exploration of intermediary metabolism to include amino acid degradation and biosynthesis, discussion of in-born errors of metabolism in such diseases as phenylketonuria, and albinism. Lipid and cholesterol metabolism will be discussed with emphasis on the biochemistry of obesity, atherosclerosis, good and bad cholesterol and cardiovascular diseases. The molecular basis of life will be discussed on both the biochemistry and molecular biology basis. The biochemistry of cancer chemotherapy is covered in this course. A discussion of the integration of metabolism consolidates both sections of Biochemistry into amazing chemical/molecular biological phenomena that con-

stitute the chemistry of life in health and disease. Lecture: three hours per week. Prerequisite: CHEM 401/401L

CHEM 402L: Biochemistry II Lab (1) (S)
Biochemical methods and basic proteomics will be utilized to provide students with lab experience in Biochemistry. Laboratory: three hours per week. Corequisite: CHEM 402

CHEM 403: Physical Chemistry I (3) (F)
Introductory course to give the students and overview of the basic laws and theories of Physical Chemistry. Thermodynamics and quantum theory will be covered in the first semester. Lecture: three hours per week. Prerequisites: CHEM 102/L; MATH 158; PHYS 181/L or 181C/L; Corequisite: CHEM 403L

CHEM 403L: Physical Chemistry I Laboratory (1) (F)
The experiments are designed to emphasized keener development in techniques of Physical Chemistry. Laboratory: three hours per week. Corequisite: CHEM 403.

CHEM 404: Physical Chemistry II (3)(S)
This course extends CHEM 403 to cover the other important aspects of physical chemistry, namely, statistical mechanics and chemical dynamics. Lecture: three hours per week. Prerequisite: CHEM 403L: Corequisite: CHEM 404L.

CHEM 404L: Physical Chemistry II Laboratory (1) (S)
Laboratory experiments are designed to reinforce the concepts covered in CHEM 404. Laboratory: three hours per week. Corequisite: CHEM 404

CHEM 405: Instrumental Methods of Chemical Analysis (2) (S)
Use of modern instruments for chemical analysis involving spectrophotometric, electroanalytical, and chromatographic techniques. Two hours of lecture per week. Prerequisite: PHYS 181/L or 182C L or consent of Instructor/Department Chairperson. Corequisite: CHEM 405L

CHEM 405L: Instrumental Methods of Chemical Analysis Laboratory (2) (S)
Laboratory experiments involving modern instruments of spectrophotometric, electrochemical, and chromatographic techniques. This course must be taken along with CHEM 405. Six hours of laboratory per week. Corequisite: CHEM 405.

CHEM 415: Advanced Inorganic Chemistry (4) (F;S)
Thorough and modern treatment of atomic structure of elements, nature of chemical bond, modern acid base theory in aqueous and non-aqueous solvents, complex ions, catalysis, nuclear chemistry, tracer studies, and colloids. Laboratory experiment emphasize keener development in techniques of synthesis and analysis of pure inorganic substance. Lecture: three hours; laboratory: three hours. Prerequisites: CHEM 202,205,302, 302L, 403, 403L.

CHEM 425: Advances Organic Chemistry (3) (S)
Advances topics in Organic Chemistry with particular emphasis on structure, reaction mechanisms, and structure, reaction mechanisms, and stereochemistry. Three hours of lecture per week. Prerequisite: CHM 302/302L

CHEM 430: Introduction to Medicinal Chemistry (3) (F)
This introductory medicinal chemistry course provides (1) a basic chemical understanding of life processes and biological control (2) a chemical basis for the rational design, synthesis, and mechanism of action of drugs, and selective metabolic inhibition; (3) an appreciation of medicinal chemistry and the chemical aspects of pharmacology. As an interdisciplinary research area, Medicinal Chemistry incorporates synthetic organic chemistry, biochemistry, pharmacology, molecular biology and pharmaceutical chemistry in the search for better drugs. The effective treatment of patients with various diseases such as diabetes, hypertension, strokes, asthma and cancer depends, to a great extent, on the ability of medicinal chemists to discover new drugs.

CHEM 435: Special Topics In Physical Chemistry (3) (F)
Covers one or more of the following areas of Physical Chemistry: quantum chemistry, spectroscopy. statistical thermodynamics, and chemical kinetics. Three hours of lecture per week. Prerequisite: CHEM 404/404L, MATH 257; PHYS 182C/182L.

CHEM 499: Chemical Research (1-3) (F;S)
Faculty supervision of student research in chemistry. Open to junior and senior students with demonstrated ability to carry out independent work in chemistry. Students may re-enroll for up to three semester hours credit. Prerequisite: Consent of Instructor/ Department Chairperson.

* Selected topics in Pre-Professional concentrations.

GENERAL EDUCATION

GE 152: Principles of Physical Science (3) (F;S;SS)
Designed to give students some of the major basic concepts of physics, chemistry, astronomy, geology, and meteorology with particular emphasis on their relevant applications. Emphasis is also given to the role of physical science in the framework of contemporary society. Lecture: three hours per week. Corequisite: GE 152/L

GE 152L: Principles of Physical Science Lab (1) (F;S;SS)
Experiments are designed to help students learn laboratory skills and allow them to experience how scientific models are usually verified. Two hours of laboratory per week. Corequisite: GE 152

GE 152H: Principles of Physical Science Honors (3) (F)
Designed especially for students with high academic potential. Includes essential elements of system measurements, physics chemistry, astronomy and earth science. Course will challenge students to develop the spirit of scientific investigation and an appreciation for the physical universe. Lecture: three hours per week. Corequisite: GE 153.

PHYSICS

PHYS 181: General Physics 1 (3) (F;S)
Fundamental principles of physics based on elementary algebra and trigonometry. Deals with vector, mechanic of particles and rigid bodies covering kinematics and dynamics; heat and kinetic theory of gases. Lecture: three hours per week. Prerequisite: GE 115 or equivalent. Corequisite: PHYS 181 L.

PHYS 181L: General Physics I Laboratory (1) (F;S)
Laboratory experiment designed to develop skills in collection, analysis, and interpretation of the experimental data. Two hours of laboratory per week Corequisite: PHY 181

PHYS 182: General Physics II (3) (S)
This course is a continuation of PHYS 181. Topics will include electrostatics and electromagnetism; wave motions involving light and sound. Lecture: three hours per week. Prerequisite: PHYS 181/L; Corequisite PYS 182L.

PHYS 182L: General Physics II Laboratory (3)(S)
Laboratory experiments designed to develop skills in collection, analysis, and interpretation of experimental data. Laboratory: two hours per week. Corequisite: PHYS 182.

PHYS 181C/PHYS 181C L: University Physics I/ Lab (3)(1)(F)
An introductory physics course based on calculus. The course covers vectors, mechanics of particles and rigid bodies covering kinematics and dynamics; heat and kinetic theory of gases. Lecture: three hours per week. Prerequisite: MATH 157. Corequisite: MATH 158 and PHYS 181 L. Laboratory experiments are designed to reinforce the concepts covered in PHYS 181 C and develop skills in the experimental set-up, data collection, data analysis and interpretation of experimental data. Laboratory: two hours per week. Corequisite: PHYS 181 C

PHYS 182C/182C: Lab University Physics II/ Lab (3) (1) (S)
This course is a continuation of PHYS 181 C. Topics will include electrostatics and electrodynamics, optics, and modern physics. Lecture: three hours per week. Prerequisites: PHYS 181 C/L; MATH 158. Corequisite: PHYS 182L. Laboratory experiments are designed to reinforce the concepts covered in PHYS 182C and develop skills in the experimental set-up, data collection, data analysis and interpretation of experimental data. Laboratory: two hours per week. Corequisite: PHYS 182C

PHYS 201: Mechanics I (3)(F)
Introduces to physics majors or minors the vector calculus and kinematics of particles. It also deals with dynamics of particles in one-dimensional problems. Lecture: three hours per week. Prerequisites: PHYS 182C/L; MATH 158.

PHYS 202: Mechanic II (3)(S)
Develops further, the concepts built in PHYS 201. It deals with two-and three-dimensional motions more rigorously. The basic concepts of rigid body dynamics are also developed. Lecture: three hours per week. Prerequisite: PHYS 201.

PHYS 203: Astronomy (3) (F; S)
Designed for both science and non-science majors. Presents a clear, vivid, non-mathematical treatment of the frontiers of modern astronomy. Students become conversant and acquainted with new developments regarding pulsars, black holes, quasars and controversies surrounding the redshifts, and other phenomenological concepts concerning astronomy. Lecture: three hours per week.

PHYS 203L: Astronomy Laboratory (1) (F;S)
Laboratory exercises, demonstration exercises, and elementary calculations to illustrate methods used in astronomy. Some constellation study with planetarium visits and occasional evening observation.

Laboratory: two hours per week. Corequisite: PHYS 203

PHYS 211: Principles of Biophysics (3) (F)
The biological principles of physics will be covered. Discussions will include: optics of sight, corrective lenses for long and short sightedness, physics of heart pacer, nerve impulse conduction, cell membrane integrity and function, mechanics of muscle function, elasticity in cell biology, the physics of biological locomotion and electromagnetism of the human body, a very efficient conductor of electricity (a basis for electrocution). Lecture: three hours per week. Prerequisites: PHYS 182C and BIOL 102.

PHYS 211L: Principles of Biophysics Lab (1) (F)
Students will carry out experiments that illustrate physics in biological systems and how designs of various medical devices such as heart pace makers and hearing aids are based on the principles of biophysics. Corequisite: PHYS 211.

PHYS 212: Principles of Biophysics (3) (S)
The biological principles of Physics will be covered. Discussions will include: Review of diffusion and random walk, Entropy, Temperature, and Free Energy, Entropic Forces and Chemical Forces, Enzyme kinetics, force generation by kinesin, Mitochondria, proton pumps, ATP synthase, flagellar motor. Lecture: three hours per week. Prerequisites: PHYS 211.

PHYS 212: Principles of Biophysics Lab (3) (S)
Students will carry out experiments that illustrate Physics in biological systems and learn how to operate various bio-physical instruments such as spectroscopy, electron microscopy, x-ray diffraction, crystallography, and NMR. Corequisite: PHYS 212.

PHYS 301: Electricity and Magnetism I (3) (F)
Introduces to Physics majors or minors, principles of electricity based on vector calculus. Laplace's equation and simple solutions are derived. Lecture: three hours per week. Prerequisite: PHYS 182C/L; MATH 158.

PHYS 302: Electricity awl Magnetism II (3) (S)
The principles introduced in PHYS 301 are further developed in this course. The theory of magnetism is developed and the Maxwell's Equations of electrodynamics are derived. The solutions of such equations which lead to electromagnetic waves are also demonstrated. Lecture: three hours per week. Prerequisite: PHYS 301.

PHYS 310: Optics (3) (F)
Basic ideas of propagation of light, first considered as rays and then as waves. Such topics as interferences, diffraction, polarization treated in detail. Knowledge of Electricity and Magnetism is desirable, but not necessary. Lecture: three hours per week. Prerequisite: PHYS 182C/L; MATH 158

PHYS 320: Thermodynamics (3)(S)
Concepts of thermodynamics systems and laws of thermodynamics. Also treats the basis of kinetic theory of gases. Lecture three hours per week. Prerequisite or Corequisite: PHYS 182C/L.

PHYS 321: Electronics (3) (S)
Intermediate course in applied electronics. Study of basic components, circuits and systems in modern electrical instrumentation. Emphasis on transistors, Field Effect Transistors (FET) and Silicon Controlled Rectofer (SCR). Lecture: three hours per week. Prerequisite: PHY 302.

PHYS 330: Junior Laboratory (2) (F)
Designed to introduce students to experiment verification of some principle of physics which could not be done in General Physics/University Physics Laboratory. Laboratory: four hours per week. Prerequisite: 182C/L.

PHYS 433: Senior Laboratory (2) (S)
Designed to acquaint students with advanced experiments. Laboratory; fours hours per week. Prerequisite: PHYS 330.

PHYS 441: Mathematical Methods of Physics I (3)(F)
Mathematical methods and applications necessary for work in theoretical physics. Lecture: three hours per week. Prerequisites: PHYS 182C/L; MATH 158.

PHYS 442: Mathematical Methods of Physics: II (3)(S)
Further mathematical methods and applications used in theoretical physics. Lecture: three hours per week. Prerequisite: PHYS 441

PHYS 470: Medical Physics (3)(F)
The students will learn basic knowledge of atomic Physics and Quantum Mechanics as well as basic interactions of ionizing and non-ionizing radiation important in medicine. Topics include photon, electron, and neutron interactions, high LET radiation, radioactivity, ultrasound interactions, and laser interactions. The course also includes conventional x-ray radiology, digital radiography, computed tomography, ultrasound, and magnetic resonance imaging.

PHYS 481: Modern Physics I (3) (F)
Elementary modern aspects of physics involving wave packets, special relativity theory, and photo electric

efforts. Lecture: three hours per week. Prerequisite: PHYS 202

PHYS 482: Modern Physics II (3) (S)
The concepts developed in PHYS 481 are further developed in this course. The topics involve x-ray, Compton effect, pair production, classical quantum theory, Schrödinger equations, quantum Mechanical treatment of hydrogen atom and some basic ideas of solid-state physics. Lecture: three hours per week. Prerequisite: PHYS 481.

PHYS 484: Quantum Mechanics (3) (F;S)
Basics principles of quantum mechanics covering the Schrödinger Wave Equations, operators and transformation theory, angular momentum, atomic structure, and perturbation theory. Lecture: three hours per week. Prerequisites: PHYS 481; MATH 458.

PHYS 486: Physics Seminar (1-3) (F;S)
Covers subjects related to current developments in physics. Prerequisite: Consent of Department Chairperson.

PHYS 487: Sound (3) (F;S)
Fundamentals of periodic phenomena wave motion in solid, liquid, gaseous media; introduction to acoustics. Lecture: three hours per week. Prerequisites: PHYS 182C/L; MATH 257.

PHYS 499: Physics Research (1-2) (F;S)
Faculty supervision of student research in current topics of Physics. Open to juniors and seniors with demonstrated ability to carry out independent work in Physics. Students may enroll for up to two semester hours credit. Prerequisite: Consent of Instructor/ Department Chairperson.

DEPARTMENT OF
Geological, Environmental, & Marine Sciences

The Department of Geological, Environment & Marine Sciences provides courses in Geology, Geography, Environmental Science, Geographic Information Systems (GIS), Marine Science, and Remote Sensing. The major in Geology, leading to a Bachelor of Science Degree, is designed to prepare students either for employment in related fields or for graduate school. The major in Marine Environmental Science leads to a B.S. degree in Marine Environmental Science and is designed to prepare students for professional employment in related fields or for graduate school.

Minor programs are offered in Geology, Environmental Science, GIS/Remote Sensing, and Marine Science. A number of courses offered in the Department are designed to strengthen majors in related disciplines including Social Sciences, Chemistry, Biology, Technology, and Computer Science.

Practical field internships courses are part of the program. This course takes students out into the field in selected areas to gain practical experience in field and research methods that will be useful to them in their professional careers. Our students are routinely accepted for technical internships and cooperative programs with various federal and state agencies. In addition, cooperative programs exist between the Department and other academic institutions that also help open doors for graduate school and future employment. The need for geologists, environmental and marine scientists is greater than ever and will continue to grow into the foreseeable future.

MAJOR: B.S. Degree in Geology

A. General Education Core ..... 43 Sem Hrs

B. Major Core Requirements ..... 44 Sem Hrs

1. Core Courses ..... 29 Sem Hrs

GEOL 143	Historical Geology	4
GEOL 332	Geomorphology	3
GEOL 341	Mineralogy	3
GEOL 343	Sedimentology	3
GEOL 344	Stratigraphy	3
GEOL 440	Structural Geology	3
GEOL 441	Petrology	3
GEOL 446	Summer Practical Internship	6
GEOL 496	Seminar in Geology	1

2. Restricted Electives ..... 15-17 Sem Hrs

(Choose 15 Semester Credit Hours from the Following)

GEOL 342	Optical Mineralogy	3
GEOL 345	Paleontology	3
GEOL 348	Hydrogeology	3
GEOL 360	Prin. of Geographic Information System	4
GEOL 365	Introduction to Remote Sensing and Digital Image Processing	4
GEOL 442	Economic Geology	3
GEOL 444	Field Geology	3
GEOL 449	Principles of Geochemistry	3
GEOG 221	Cartographic Principles	3

C.	**Related Areas**	**15**	**Sem Hrs**
	CHEM 101/L General Chemistry I/Lab	4	
	CHEM 102/L General Chemistry II/Lab	4	
	CSC 115 Computer Science I	3	
	PHYS 181/L General Physics I/Lab	4	
D.	**Electives/Minor**	**22**	**Sem Hrs**
Total Hours Required for Degree		**124**	**Sem Hrs**

CURRICULUM GUIDE FOR MAJORS IN GEOLOGY

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE 102	Comp. and Literature I		3
GE 115	College Algebra		3
GE 122	Freshman Seminar		1
GE 140	World Civilization I		3
GE 158/L	Prin. of Geological Sci./Lab		4
GE	Physical Ed. Activity		1
			15

SECOND SEMESTER		
COURSE AND NUMBER		HRS
GE 103	Comp. and Literature II	3
GE 118	Precalculus	3
GE 130	Art Appreciation	2
GE 141	World Civilization II	3
GEOL 143	Historical Geology	4
		15

SOPHOMORE YEAR

GE	Physical Ed. Activity	1
GE 135	Intro. to Music Literature	2
GE 185	Health Concepts	2
GE 201	World Literature I	3
GEOL 341	Mineralogy	3
CHEM 101/L	Gen. Chem. I/Lab	4
		15

GE 142	Intro. to Geography	3
GE 202	World Literature II	3
	Social Science Elective	3
CHEM 102/L	Gen. Chemistry II/Lab	4
GEOL 441	Petrology	3
		16

JUNIOR YEAR

GEOL 343	Sedimentology	3
GEOG 201	World Geography	3
	Electives	3
CSC 115	Computer Science I	3
PHYS 181/L	Gen. Physics I/Lab	4
		16

GEOG 221	Cartography	3
GEOL 332	Geomorphology	3
GEOL 344	Stratigraphy	3
GEOL 440	Structural Geology	3
GEOL 444	Field Geology	3
		15

SUMMER SCHOOL

GEOL 446 PRACTICAL INTERNSHIP 6

SENIOR YEAR

GEOL 345	Paleontology	3
GEOL 348	Hydrogeology	3
	Restricted Electives	3-4
	Electives	4
		13-14

GEOL	Restricted Elective	3
GEOL	Restricted Elective	3-4
GEOL 496	Seminar in Geology	1
	Electives	3
	Electives	3
		13-14

MAJOR: B.S. Degree in Marine Environmental Sciences

A. General Education Core ..... 43 Sem Hrs

GE	102	Composition and Literature I	3
GE	103	Composition and Literature II	3
MATH	157	Calc./Analytic Geometry I	3
GE	122	Freshman Seminar	1
GE	130	Art Appreciation	2
GE	135	Introduction to Music Literature	2
GE	140	World Civilization I	3
GE	141	World Civilization II	3
GE	142	Introduction to Geography	3
GE	185	Health Concepts	2
GE	201	World Literature I	3
GE	202	World Literature II	3
GE	158/L	Principles of Geological Science/Lab	4
		or	
GE	155/L	Principles of Biological Science/Lab	4
GEOG	201	World Geography	3
PSY	212	General Psychology	3
		Physical Activity (in Physical Education)	2

B. Major Core Requirements ..... 44 Sem Hrs

1. Core Courses (Required) ..... 32 Sem Hrs

MAS	111	Introduction to Marine Science	3
MAS	224	Marine and Coastal Resources	3
MAS	226	Beach and Island Environments	3
MAS	330	Coastal Geology	3
MAS	331	Marine Biology	3
ECOL	301	General Ecology	3
MAS	333	Wetlands and Ocean Chemistry	4
MAS	340	Field Internship	4
MAS	401	Global Geochemical Cycles	3
MAS	402	Physical Oceanography	3
MAS	450	Research in Marine Science I	3

C. Concentration in Biology ..... 12 Sem Hrs

MAS	420	Marine Vertebrates	3
MAS	421	Marine Invertebrates	3
MAS	422	Marine Microbiology	3
MAS	441	Estuarine Environment	3

D. Concentration in Geology ..... 12 Sem Hrs

GEOL	341/L	Mineralogy	3
GEOL	440	Structural Geology	3
GEOL	441	Petrology	3
		or	
GEOL	343	Sedimentology	3
MAS	433	Geological Oceanography	3

E. Concentration in Chemistry ..... 12 Sem Hrs

CHEM	202/L	Quantitative Analysis/Lab	4
CHEM	301/L	Organic Chemistry I/Lab	4
CHEM	403/L	Physical Chemistry I/Lab	4

F.	**Related Area Courses (Required)**	**23**	**Sem Hrs**
	CHEM 101/L General Chemistry I/Lab	4	
	CHEM 102/L General Chemistry II/Lab	4	
	PHYS 181/L General Physics I/Lab	4	
	or		
	*PHYS 181C/L University Physics I/Lab	4	
	PHYS 182/L General Physics II/Lab	4	
	or		
	*PHYS 182C/L University Physics II/Lab	4	
	GEOL 365 Introduction to Remote Sensing	4	
	STAT 251 Basic Statistics	3	
G.	**Electives (Recommended)**	**15**	**Sem Hrs**
	CSC 115 Computer Science I	3	
	CSC 214 Fortran Programming	3	
	MAS 425 Independent Study	3	
	MAS 451 Research in Marine Science II	3	
	CHEM 401 Biochemistry	3	
	*MATH 158 Calculus and Analytic Geometry II	3	
	BIOL 486 Scientific Writing	3	
	BIOL 487 Statistical Applications in the Sciences	3	
	GEOG 308 Weather and Climate	3	
	GEOL 345 Paleontology	3	
Total Hours Required for Degree		**125**	**Sem Hrs**

* Courses recommended for students planning to go to graduate school

CURRICULUM GUIDE FOR MAJORS IN MARINE ENVIRONMENTAL SCIENCE CONCENTRATION IN GEOLOGY

FRESHMAN YEAR

FIRST SEMESTER

COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
MATH	157	Calc./Analytic Geom. I	3
GE	122	Freshman Seminar	1
GE	130	Art Appreciation	2
MAS	111	Intro. to Marine Science	3
GE	140	World Civilization I	3
		Physical Ed. Activity	1
			16

SECOND SEMESTER

COURSE AND NUMBER			HRS
GE	103	Comp. and Literature II	3
STAT	251	Basic Statistics	3
GE	141	World Civilization II	3
GE	158/L	Prin. of Geol. Science	4
GE	185	Health Concepts	2
			15

SOPHOMORE YEAR

GE	135	Intro. to Music Literature	2
GE	201	World Literature I	3
CHEM	101/L	General Chemistry I	4
MAS	224	Marine & Coastal Resources	3
GEOL	365	Intro to Remote Sensing	4
		Physical Ed. Activity	1
			17

GE	142	Intro. to Geography	3
GE	202	World Literature II	3
CHEM	102/L	Gen. Chemistry II/Lab	4
PSY	212	General Psychology	3
MAS	226	Beach and Island Environ	3
			16

JUNIOR YEAR

GEOG	201	World Geography	3
MAS	330	Coastal Geology	3
[1]PHYS	181C/L	University Physics	4
GEOL	341	Mineralogy	3
		Electives	3
			16

MAS	331	Marine Biology	3
MAS	333	Wetland & Ocean Chemistry	4
[2]PHYS	182C/L	University Physics II	4
		Electives	3
			14

SUMMER SCHOOL

MAS 340 FIELD INTERNSHIP 4

SENIOR YEAR

[3]GEOL	441	Petrology	3
MAS	401	Global Geochemical Cycles	3
MAS	433	Geological Oceanography	3
		Electives	6
			15

GEOL	440	Structural Geology	3
MAS	450	Research in Marine Science I	3
MAS	402	Physical Oceanography	3
		Electives	3
			12

[1] or PHYS 181/L General Physics I 4
[2] or PHYS 182/L General Physics II 4
[3] or GEOL 343 Sedimentology 3

CURRICULUM GUIDE FOR MAJORS IN MARINE ENVIRONMENTAL SCIENCE CONCENTRATION IN BIOLOGY

FRESHMAN YEAR

FIRST SEMESTER

COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
MATH	157	Calc./Analytic Geom. I	3
GE	122	Freshman Seminar	1
GE	130	Art Appreciation	2
MAS	111	Intro. to Marine Science	3
GE	140	World Civilization I	3
		Physical Ed. Activity	1
			16

SECOND SEMESTER

COURSE AND NUMBER			HRS
GE	103	Comp. and Literature II	3
STAT	251	Basic Statistics	3
GE	141	World Civilization II	3
GE	155/L	Prin. of Biol. Science	4
GE	185	Health Concepts	2
			15

SOPHOMORE YEAR

GEOL	365	Intro. to Remote Sensing	4
GE	135	Intro. to Music Literature	2
GE	201	World Literature I	3
CHEM	101/L	Gen. Chemistry I	4
MAS	224	Marine & Coastal Resources	3
		Physical Ed. Activity	1
			17

GE	142	Intro. to Geography	3
GE	202	World Literature II	3
CHEM	102/L	Gen. Chemistry II/Lab	4
PSY	212	General Psychology	3
MAS	226	Beach and Island Environment	3
			16

JUNIOR YEAR

GEOG	201	World Geography	3
MAS	330	Coastal Geology	3
[1]PHYS	181C/L	University Physics	4
		Electives	6
			16

MAS	331	Marine Biology	3
MAS	333	Wetland and Ocean Chemistry	4
[2]PHYS	182C/L	University Physics II	4
		Electives	3
			14

SUMMER SCHOOL

MAS 340 Field Internship 4

SENIOR YEAR

MAS	441	Estuarine Environment	3
MAS	420	Marine Vertebrates	3
MAS	401	Global Geochem. Cycles	3
MAS	421	Marine Invertebrates	3
		Electives	3
			15

MAS	422	Marine Microbiology	3
MAS	402	Physical Oceanography	3
MAS	450	Research in Marine Science I	3
		Electives	3
			12

[1] or PHYS 181/L General Physics I 4
[2] or PHYS 182/L General Physics II 4

CURRICULUM GUIDE FOR MAJORS IN MARINE ENVIRONMENTAL SCIENCE CONCENTRATION IN CHEMISTRY

FRESHMAN YEAR

FIRST SEMESTER

COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
MATH	157	Calc./Analytic Geom. I	3
GE	122	Freshman Seminar	1
GE	130	Art Appreciation	2
MAS	111	Intro. to Marine Science	3
GE	140	World Civilization I	3
		Physical Ed. Activity	1
			16

SECOND SEMESTER

COURSE AND NUMBER			HRS
GE	103	Comp. and Literature II	3
STAT	251	Basic Statistics	3
GE	141	World Civilization II	3
GE	155/L	Prin. of Biol. Science/Lab	4
		or	
GE	158/L	Prin. of Geol. Science/Lab	4
GE	185	Health Concepts	2
			15

SOPHOMORE YEAR

GEOL	365	Intro to Remote Sensing	4
GE	135	Intro. to Music Literature	2
GE	201	World Literature I	3
CHEM	101/L	Gen. Chemistry I/Lab	4
MAS	224	Marine & Coastal Resources	3
		Physical Ed. Activity	1
			17

GE	142	Intro. to Geography	3
GE	202	World Literature II	3
CHEM	102/L	Gen. Chemistry II/Lab	4
PSY	212	General Psychology	3
MAS	226	Beach & Island Environ.	3
			16

JUNIOR YEAR

GEOG	201	World Geography	3
MAS	330	Coastal Geology	3
[1]PHYS	181C/L	University Physics II	4
		Electives	6
			16

MAS	331	Marine Biology	3
MAS	333	Wetland and Ocean Chemistry	4
[2]PHYS	181C/L	University Physics II	4
CHEM	202	Quantitative Analysis	4
			15

SUMMER SCHOOL

MAS 340 Field Internship 4

SENIOR YEAR

CHEM	301	Organic Chemistry	4
CHEM	403	Physical Chemistry	4
MAS	401	Global Geochemical Cycles	3
		Electives	3
			14

MAS	402	Physical Oceanography	3
MAS	422	Marine Microbiology	3
MAS	450	Research in Marine Science I	3
		Electives	3
			12

[1] or PHYS 181/L General Physics I 4
[2] or PHYS 182/L General Physics II 4

MINOR: Geology

GE	158/L	Principles of Geological Science	4
GEOL	143	Historical Geology	4
GEOL	332	Geomorphology	3
GEOL	341	Mineralogy	3
GEOL	345	Paleontology	3
GEOL	440	Structural Geology	3

Total Hours Required for Minor ..... 20 Sem Hrs

MINOR: Environmental Science

GE	158/L	Principles of Geological Science	4
CHEM	101/L	General Chemistry I	4
ENSC	101/L	General Environmental Science	4
ENSC	320	Water Resources	3
ENSC	330	Waste Management and Recycling	3
ENSC	420	Environmental Economics and Policy	3

Total Hours Required for Minor ..... 21 Sem Hrs

MINOR: GIS/Remote Sensing

CSC	115	Computer Science I	3
GEOG	221	Cartographic Principles	3
GEOL	332	Geomorphology	3
GEOL	360	Prin. of Geographic Information System (GIS)	4
GEOL	365	Introduction to Remote Sensing and Digital Image Processing	4
GEOL	461	Advanced GIS	4

Total Hours Required for Minor ..... 21 Sem Hrs

MINOR: Marine Science

GE	158/L	Principles of Geological Science/Lab	4
CHEM	102/L*	General Chemistry II/Lab	4
MAS	111	Introduction to Marine Science	3
MAS	224	Marine and Coastal Resources	3
MAS	330	Coastal Geology	3
MAS	331	Marine Biology	3
MAS	401	Global Geochemical Cycles	3

Total Hours Required for Minor ..... 23 Sem Hrs

* Prerequisite needed is CHEM 101/L General Chemistry I/L.

ENVIRONMENTAL SCIENCE

ENSC 101: General Environmental Science (3) (F;S;SS)
Critical examination of population, resources, and environment as they relate to the well-being of man. Comprehensive analysis and evaluation of environmental issues in terms of present and future generations of the world. Lecture, three hours.

ENSC 101L: General Environmental Science Laboratory (1) (F;S;SS)
Analyses and experiments geared toward understanding the underlying principles involved in determining the health of the environment. Includes the analyses for common pollutants in water, air, and soil. Meets two hours a week.

ENSC 320: Water Resources (3) (F)
An overview of surface and ground water systems covering energy, agriculture and municipal uses, as well as the ecology of natural wetlands. Special attention will be given to water quality and to local and national water laws which impact our daily lives. Prerequisites: ENSC 101/L or GE 158/L.

ENSC 330: Waste Management and Recycling (3) (F)
Deals with organic and inorganic wastes, including hazardous and radioactive waste disposal. Recycling of wastes and their economics will also be discussed. Lecture, three hours. Two field trips are required. Prerequisite: ENSC 101/L.

ENSC 420: Environmental Economics and Policy (3) (S)
Deals with preventive measures and environmental cleanup and the economics of risk assessment. This course will include several case studies. Lecture, three hours. Prerequisite: ENSC 101/L.

GENERAL EDUCATION

GE 142: Introduction to Geography (3) (F;S;SS)
Study of basic terms and concepts in geography, study of maps with spatial variation. Study of the physical world and the forces that forged it. Patterns of weather and climate and their impact on vegetation, soils, and the distribution of the earth's resources are emphasized. Review of human geography including population, culture, urbanization, and industrialization. Lecture, three hours.

GE 158: Principles of Geological Science (3) (F;S;SS)
Study of the earth and the composition of the earth's crust. Included are internal and external processes that account for geomorphological features and their characteristics, mountain-building forces, mineral and energy resources, and the earth's internal composition. Lecture, three hours. No Prerequisites.

GE 158L: Principles of Geological Science Lab (1) (F;S;SS)
Hands-on study of minerals; sedimentary, igneous, and metamorphic rocks; and understanding of geomorphological features using topographic maps and cross-sections. Laboratory, two hours. Prerequisite or Corequisite: GE 158, Lecture.

GE 158H: Principles of Geological Science (3) (F)
Provides an introduction to the study of the physical aspects of earth. Beginning with a study of minerals and rocks, the course progresses through ways in which these materials are modified by the physicochemical processes of the earth's surface. The course covers the concepts and theories of mountain building, ocean basin and continent formation, and the origin of the earth. The ways in which physical and biological agents change and shape earth materials into their various topographic forms are explained. Lecture, three hours. No Prerequisites.

GE 159: Principles of Geological Science Lab (1) (F)
The laboratory is designed to provide an introduction to the study of minerals and rocks, topographic and geologic maps, and fossils. Students will learn to identify minerals and rocks and to use maps, aerial photos, stereoscopes, and other materials to study the landforms and geology of the earth. Laboratory, two hours. Prerequisites or Corequisite: GE 158H, Lecture.

GEOGRAPHY

GEOG 201: World Geography (3) (F)
Relationship of man to his environment for the major regions of the world. Description of selected countries representative of these regions in terms of the natural and cultural conditions of the world. The course is designed to help students develop an understanding of the physical and cultural environments of other countries. Lecture, three hours. Prerequisite: GE 142.

GEOG 221: Cartographic Principles (3) (S)
Planning and construction of thematic maps for use in communicating the spatial relations of geographic and geologic information. The course includes topographic, geographic, and thematic maps, and various grid location systems, computer printouts of data collections, and aerial photos. Elements of map design and introduction to computer mapping (GIS) are also covered. Lecture, two hours; laboratory, two hours. Prerequisite: GE 142.

GEOG 305: Economic Geography (3) (F)
A regional and systematic analysis of the principal economic production systems in the world including: 1) present regional and global patterns of economic activities; 2) explanations for the location of these activities. Lecture, three hours. Prerequisite: GE 142 or consent of Department Chairperson.

GEOG 308: Weather and Climate (3) (S)
Elements and principles of meteorology involved in an understanding of daily weather patterns with regional study of the world's climate controls and the relation between these factors. Lecture, three hours. Prerequisite: GE 142.

GEOLOGY

GEOL 110: General Oceanography (3) (S;SS)
Study of physical and chemical properties of the sea's water, tides and their causes, current and wave action, ocean environments, and configuration of the ocean floor. Lecture, three hours and one field trip to observe wave and tidal action.

GEOL 135: The Age Of Dinosaurs (3) (SS)
A survey of the major dinosaur groups, including origins, diversification, physiology, classification, life habits and extinction theories. Also covered is a discussion of animals contemporary with the dinosaurs and the environment in which they all lived. Lecture, three hours. No prerequisites.

GEOL 142: Physical Geology (3) (F)
Introduction to physical aspects of the earth and to factors responsible for shaping the earth, including internal and external forces. Lecture, three hours.

GEOL 142L: Physical Geology Lab (1) (F)
Laboratory includes techniques of identifying minerals and rocks, map interpretation, and field trips. Laboratory, two hours.

GEOL 143: Historical Geology (4) (S)
Study of earth history through interpretation of sedimentary, metamorphic, and igneous rock sequences, tectonics, and fossils. Lecture, three hours; laboratory, two hours. Prerequisite: GE 158/L or consent of Chairperson.

GEOL 331: Aerial Photo Interpretation
Methods and techniques used in gathering geological, environmental, physical, and political information from aerial photographs. Lecture, three hours. Prerequisite: GEOL 143 or consent of Chairperson.

GEOL 332: Geomorphology (3) (S)
The course reviews the fundamental geomorphic principles that govern the development and modification of landforms. Lecture and lab, three hours. Prerequisites: GE 158/L or GE 158H/159; GEOL 143 or consent of Chairperson.

GEOL 341: Mineralogy (3) (F)
Physical and chemical characteristics and crystal chemistry of minerals and their use and occurrence. Lecture, two hours; laboratory, two hours. Prerequisites: GE 158/L.

GEOL 342: Optical Mineralogy (3) (S)
Identification of minerals with the polarizing microscope using optical properties of minerals including index of refraction and birefringence, uniaxial and biaxial characters. Lecture, two hours; laboratory, two hours. Prerequisite: GEOL 341.

GEOL 343: Sedimentology (3) (F)
Principles of sedimentology and sedimentation; analysis of depositional environments; mineralogy, textures, structures and classification of sediments and sedimentary rocks. Lecture, two hours; laboratory, two hours. Prerequisites: GEOL 143/L; Recommended: GEOL 342; STAT 251.

GEOL 344: Stratigraphy (3) (S)
Principles and methods of stratigraphy, including lithologic, seismic, and biologic methods. Interpretation of earth history through the study of layered sedimentary rocks. Graphic presentation of stratigraphic information. Lecture, two hours; laboratory, two hours. Prerequisites: GE 158/L; GEOL 143/L; 343.

GEOL 345: Paleontology (3) (F)
Principles of paleontology and evolution, morphology and classification of major groups of invertebrate fossils, including their use in correlation and identification of paleoclimates and paleogeography. Prerequisites: GEOL 143/L or MAS 421.

GEOL 348: Hydrogeology (3) (F)
Sources, occurrence, movement, quality, and recovery of surface and subsurface water. Investigation of water reservoir, design and data analysis, and rock

properties that regulate flow of water. Lecture, three hours. Prerequisite: GEOL 143.

GEOL 360: Principles of Geographic Information System (4) (F)
The course includes learning the basic GIS operations, design, preliminary exposure to geographic data structures, and hands-on experiences with several GIS programs through exercises. Lecture and laboratory, four hours. Prerequisites: CSC 111 or familiarity with computer usage; GEOG 221.

GEOL 365: Introduction to Remote Sensing and Digital Image Processing (4) (S)
Basic principles of remote sensing and image analysis using a computer system with the end result of producing a map. Discussed are the introduction and basic principles, electro-optical sensors and imagery obtained, data acquisition and image processing, georeferencing, and terrain corrections. Lecture and laboratory, four hours. Prerequisites: CSC 111 or familiarity with computer usage; GEOL 332.

GEOL 395: Individual Study in Geology (1-3) (F;S;SS)
Allows students to pursue specialized study in geology that is outside general course offerings. Students carry out reading assignments, do laboratory work, and participate in discussions with the instructor. Prerequisites: GEOL 143, 341, and consent of Department Chairperson.

GEOL 440: Structural Geology (3) (S)
Analysis of earth's structure including folds, faults, joints, cleavage, and fracture patterns and petrofabrics. Structure of mountain systems and theories of mountain-building and plate tectonics. Lecture, two hours; laboratory, two hours. Prerequisites: GE 118; GEOL 143/L

GEOL 441: Petrology (3) (F)
Fundamentals of igneous and metamorphic rock classification, identification, petrogenesis, and evolution. Microscopic and macroscopic (thin sections and hand specimens) study of rocks and evaluation of their minerals, structures, and textures in relation to their origin. Lecture, two hours; laboratory, two hours. Prerequisite: GEOL 341.

GEOL 442: Economic Geology (3) (S)
Origin, emplacement, structure, mineralogy, and petrology of metallic and non-metallic economic deposits and fossil fuels. Evaluation of economic and environmental factors for the development of resources. Lecture, two hours; laboratory, two hours. Prerequisites: GEOL 341, 342, 344, 348, 440 and 441.

GEOL 444: Field Geology (3) (S)
Methods and techniques used in geological field investigations including geological mapping, preparation of subsurface cross-sections and maps; introduction to geochemical and geophysical exploration techniques. A field trip is required. Prerequisites: GEOL 143, 344, and 440.

GEOL 446: Summer Practical Internship (6)(SS)
Minimum of six weeks of training in field geology including field techniques, data collection, interpretation, preparation and report writing. Prerequisites: GE 118; GEOL 332, 344, 440, 441, 444. The course requires expenses for the field trip. Students are advised to see the Chairperson before enrolling in the course.

GEOL 448: Practicum in Geology (1) (F,S) (Offered on demand)
Practical experiences in the teaching of freshman laboratories under faculty supervision. An elective open to those students expecting to go to graduate school and who have the approval of the Chairperson.

GEOL 449: Principles of Geochemistry (3) (S)
Topics covered include basics of major and trace element geochemistry, petrogenesis and mantle evolution, weathering and soil formation, geochemistry of ground and surface waters, geochemistry of pollutants, petroleum and coal geochemistry. Lecture, three hours. Prerequisites: GE 158/L, GEOL 341, 441; CHEM 101/L, 102/L.

GEOL 461: Advanced Geographic Information System (4) (F)
An advanced GIS course with emphasis on students' individual projects. Laboratory complements lecture, and will be a hands-on study of the discussion above, but the course concentrates mainly on individual projects. Lecture and laboratory, four hours. Prerequisite: GEOL 360 and 365.

GEOL 496: Seminar in Geology (1) (F;S)
Discussions of special topics in geology with participation from students. Required for graduating seniors. Prerequisite: Consent of Chairperson.

GEOL 499: Research in Geology (1-3) (F;S;SS)
An introduction to the mechanics of scientific research with actual hands-on projects. Students must design the investigation; research the problem in the field, in the library, and the laboratory as called for;

and submit a written report of research. Prerequisite: Open to advanced geology majors with permission of Chairperson (six semester credit hours maximum).

MARINE SCIENCE

MAS 111: Introduction to Marine Science (3) (F)
Physical, chemical, geological and biological processes of ocean and interaction with adjacent waters, ocean environment and configuration of the ocean floor. Lecture three (3) hours; a minimum of 1 Field Trip.

MAS 224: Marine and Coastal Resources (3) (F)
An introduction to the resources and economic potential of the marine and coastal environment. Topics include the search for and recovery of petroleum, metals, gemstones, bulk materials for construction and agriculture and the ocean's biological wealth. Lecture three (3) hours.

MAS 226: Beach and Island Environments (3) (F)
This course examines the marine processes to which these coastal ecosystems are constantly subjected. It explores the importance of these regions to the human population and delicate balance that is needed to achieve the sustainable development of these regions.

MAS 330: Coastal Geology (3) (F)
The formation and evolution of the world's coastal regions, focusing on their geologic setting and their resources to natural processes and human activities. Lecture three (3) hours. Prerequisites: MAS 111 or GE 158/L.

MAS 331: Marine Biology (3) (S)
Physical, chemical, and biological processes emphasizing adaptation of marine organisms. Lecture three (3) hours.

MAS 333: Wetland and Ocean Chemistry (4) (S)
An overview of the various chemical processes that determine the environmental characteristics of wetland and ocean waters. Lecture three (3) hours; Lab two (2) hours. Prerequisite: CHEM 101/L; CHEM 102/L.

MAS 340: Field Internship (4) (SS)
Field work at an accredited facility such as Marine Laboratory. Prerequisite: MAS 111; MAS 330; MAS 331; CHEM 102/L.

MAS 401: Global Geochemical Cycles (3) (F)
A seminar course evaluating the global geochemical cycle of carbon, nitrogen, water and sulphur with emphasis on their impact of global climate. Lecture three (3) hours. Prerequisites: MAS 333; CHEM 101/L; CHEM 102L.

MAS 402: Physical Oceanography (3) (S)
Physical processes of the oceans, the dynamics of waves, tides, current, and transmission of light and sound. Lecture (3) hours; Field Trips. Prerequisites: MAS 111; PHYS 182/L or PHYS 182C/L.

MAS 420: Marine Vertebrates (3) (F)
Comparative physiology of marine animals with emphasis on responses of organisms to environmental factors. Lecture three (3) hours. Prerequisite: MAS 331.

MAS 421: Marine Invertebrates (3) (F)
Structure, function, and development of marine invertebrates. Lecture three (3) hours. Prerequisite: MAS 331.

MAS 422: Marine Microbiology (3) (S)
Morphology, reproduction, life history, and environment for the growth of benthic and planktonic marine life. Lecture three (3) hours. Prerequisite: MAS 331.

MAS 425: Independent Study (3) (S)
At least junior level with approval from the appropriate instructor and chairperson.

MAS 433: Geological Oceanography (3) (F)
The geology of ocean basin, including origin, bottom physiography, sediment distribution, and sedimentary processes. Lecture (3) hours; Field Trips. Prerequisites: GE 158/L or MAS 111; PHYS 101/L; PHYS 102/L.

MAS 440: Hydrology of Coastal Water (3) (F)
The discharge and current activity of coastal waters including estuaries, wetlands, and marine environment factors affecting water quality and ecological imbalance. Field oriented seminar course. Prerequisite: CHEM 101/L; CHEM 102/L; MAS 330; MAS 331.

MAS 441: Estuarine Environment (3) (F)
Chemistry, microbiology, and pollution of estuaries, wetlands, and marine coastal waters. Lecture three (3) hours. Prerequisite: CHEM 101/L; CHEM 102/L; MAS 330; MAS 331.

MAS 442: Coastal Urbanization and Land Use Planning (3) (S)
Review of the growth of the coastal urban areas, particularly North Carolina problems, practice, and

policies of developing coastal urban area. Lecture three (3) hours. Prerequisites: MAS 111; GEOL 331 or MAS 330; Field Trips.

MAS 443: Coastal and Marine Resources Management (3) (F)

Managing the natural resources of the coastal and marine environment. Human activities affecting those environments and policies governing those activities. Lectures three (3) hours. Prerequisites: GE 158/L or MAS 111; GEOL 332 or MAS 330; MAS 402; Field Trips.

MAS 450: Research in Marine Science I (F; S; SS)

Directed research in marine science supervised by the faculty (with consent of chairperson).

MAS 451: Research in Marine Science II (F; S;SS)

Directed research in marine science supervised by the faculty (with consent of chairperson).

Mathematics & Computer Science

The Department of Mathematics and Computer Science offers undergraduate programs leading to Bachelor of Science degrees in both Mathematics and Computer Science. The Department also offers minors in Mathematics, Computer Science, Applied Mathematics and Applied Statistics. Its strong curriculum provides students with a high level of preparation for professional employment as well as for graduate study, with an emphasis on integrating theory and applications.

Students majoring in the Mathematical Sciences have numerous career opportunities open to them. An undergraduate degree in Mathematics or Computer Science establishes an excellent background for graduate studies in many areas such as Actuarial Science, Computer Science, Economics, Engineering, Mathematics, Operations Research, and Statistics. Those who are planning to receive a license to teach high school and/or middle school Mathematics must have a minor in Secondary and/or Middle Grades Education.

The departmental faculty members have diverse research interests. It is recommended that prospective students contact the department as early as possible to discuss an appropriate program of study and to plan the sequencing of course requirements.

MAJOR: B.S. in Computer Science with Scientific Concentration

A. *General Education Core ..... 43 Sem Hrs

B. Major Core Requirements ..... 45 Sem Hrs

1. Core Courses ..... 27 Sem Hrs

CSC	115	Computer Science I	3
CSC	160	CSC Major Orientation Seminar	1
CSC	215	Computer Science II	3
CSC	218	Data Structures and Algorithm Analysis	3
CSC	219	Computer Organization and Assembly Language	3
CSC	315	Programming Languages	3
CSC	325	Database Concepts	3
CSC	360	Junior Seminar in Computer Science	1
CSC	412	Software Design	3
CSC	420	Operating Systems	3
CSC	460	Senior Seminar in Computer Science	1

2. Concentration Requirements ..... 12 Sem Hrs

CSC	314	Computer Architecture	3
CSC	322	UNIX Administration & Systems Programming	3
CSC	409	Artificial Intelligence	3
CSC	451	Numerical and Symbolic Computing	3

3. Discipline Area Electives ..... 6 Sem Hrs

(Choose Two Courses)

CSC	230	Modern Programming Applications	3
CSC	240	Modern Computing Protocols	3
CSC	250	Computational Science & Visualization	3
CSC	410	Net-centric Computing	3
CSC	413	System Analysis and Design	3
CSC	415	Computer Graphics	3
CSC	430	Undergraduate Research in CS	3
CSC	452	Internship	3/6
MATA	462	Mathematical Modeling	3

C. Courses Requirements for Related Area ..... 12 Sem Hrs

*	MATH 158	Calculus and Analytic Geometry II	3
	MATA 262	Discrete Methods	3
	STAT 351	Probability and Statistics I	3
	MATH 351	Linear Algebra	3

D. Minor/Electives (A Minor is Required) ..... 24 Sem Hrs

Select Minor from: Aviation Science, Applied Mathematics, Biology, Biotechnology, Chemistry, Geology, Industrial Technology, Physics, Applied Statistics

Total Hours Required for Degree ..... 124 Sem Hrs

* Take MATH 157 Calculus and Analytic Geometry I and PHYS 181C/L and PHYS 182C/L University Physics I & II as part of your GE courses in Math/Science.

SAMPLE CURRICULUM FOR A MAJOR IN COMPUTER SCIENCE WITH A SCIENTIFIC CONCENTRATION

FRESHMAN YEAR

FIRST SEMESTER				SECOND SEMESTER			
COURSE AND NUMBER			HRS	COURSE AND NUMBER			HRS
GE	118	Precalculus	3	MATH	157	Calculus and Analytical Geometry I	3
GE		Phy Ed Activity	1	GE	103	Comp and Lit II	3
GE	102	Comp and Lit I	3	GE	141	World Civilization II	3
GE	140	World Civilization I	3	GE		Phy Ed Activity I	1
GE	135	Intro to Music Lit	2	PSY	212	General Psychology	3
GE	122	Freshman Seminar	1	CSC	215	Computer Science II	3
CSC	115	Computer Science I	3	GE	130	Art Appreciation	2
CSC	160	CSC Major Orient	1				
			17				18

SOPHOMORE YEAR

GE	201	World Literature I	3	GE	202	World Literature II	3
MATH	158	Calculus & Analytical Geometry II	3	GE	185	Health Concepts	2
CSC	218	Data Structures	3	CSC	219	Comp Org & Assembly Language	3
GEOG	201	World Geography or		* CSC	230	Modern Prog. Appl	3
ECON	201	Prin of Economics I	3	[1] PHYS	182C/L	Univ Physics II or	
[1] PHYS	181C/L	Univ Physics I or		[2] CHEM	102C/L	Gen Chemistry II	4
[2] CHEM	101C/L	Gen Chemistry I	4	MATA	262	Discrete Methods	3
			16				18

JUNIOR YEAR

CSC	314	Comp Architecture	3	CSC	322	UNIX Admin & Sys Prog	3
CSC	315	Programming Lang	3	CSC		Elective	3
CSC	325	Database Concepts and File Processing	3	CSC	360	Jr Seminar in Computer Science	1
MATH	351	Linear Algebra	3	STAT	351	Prob and Stat I	3
[1] MINOR			3			Minor/Elective	3
		or		[1] PHYS	301	Electricity and Magnetism I or	3
[2] CHEM	202	Quant Analysis	4	[2] CHEM	301/301C/L	Organ Chem I	4
			15/16				16/17

SENIOR YEAR

CSC	420	Operating System	3
CSC	451	Numerical & Symbolic Computing	3
CSC	460	Sr Seminar in Computer Science	1
CSC	412	Software Method & Engineering	3
		Computer Science	1
[1] PHYS	310	Optics or 2-CHEM 403C/L Phy Chem I	4
		Elective	3
			16/17

CSC	409	Artificial Intelligence	3
CSC		Elective	3
CSC	*415	Computer Graphics	3
CSC	451	Numerical & Symbolic Computing	3
		Minor/Elective	3
			15

* Strongly Recommend Elective or other CSC Elective (1) Physics Minor (2) Chemistry Minor

[1] Students must maintain course sequence in order to minor in Physics.

[2] Students must maintain course sequence in order to minor in Chemistry.

[3] **This sample curriculum should be used only for the Physics or Chemistry minor. Students can use any minor areas in place of 1 or 2.**

MAJOR: B.S. in Computer Science with a Concentration in Business

A. General Education Core ..... 43 Sem Hrs

B. Major Core Requirements ..... 45 Sem Hrs

1. Core Courses ..... 27 Sem Hrs

CSC	115	Computer Science I	3
CSC	160	CSC Major Orientation Seminar	1
CSC	215	Computer Science II	3
CSC	218	Data Structures and Algorithm Analysis	3
CSC	219	Computer Organ and Assembly Lang	3
CSC	315	Programming Languages	3
CSC	325	Database Concepts	3
CSC	360	Junior Seminar in Computer Science	1
CSC	412	Software Design	3
CSC	420	Operating Systems	3
CSC	460	Senior Seminar in Computer Science	1

2. Concentration Requirements ..... 12 Sem Hrs

CSC	230	Modern Programming Applications	3
CSC	240	Modern Computing Protocols	3
CSC	410	Net-centric Computing	3
CSC	413	System Analysis and Design	3

3. Discipline Area Electives ..... 6 Sem Hrs

(Choose Two Courses)

CSC	250	Computational Sci. & Scientific Visualization	3
CSC	314	Computer Architecture	3
CSC	322	UNIX Administration & System Programming	3
CSC	409	Artificial Intelligence	3
CSC	415	Computer Graphics	3
CSC	421	Topics in Computer Science	3
CSC	430	Undergraduate Research in CS	3
CSC	451	Numerical and Symbolic Computing	3
CSC	452	Internship	3
MATA	462	Mathematical Modeling	3

C.	**Courses Requirements for related area**		**12**	**Sem Hrs**
	MATH	153	Differential and Integral Calculus	3
	MATA	262	Discrete Methods	3
	MATH	351	Linear Algebra	3
	STAT	251	Basic Statistics I	3
D.	**Minor/Electives**		**24**	**Sem Hrs**
	This Program requires a Minor in Business Administration.			
	Total Hours Required for Degree		**124**	**Sem Hrs**

SAMPLE CURRICULUM FOR A MAJOR IN COMPUTER SCIENCE WITH A CONCENTRATION IN BUSINESS

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	118	Precalculus	3
GE		Phy Ed Activity	1
GE	102	Comp and Lit I	3
GE	140	World Civil I	3
GE	135	Intro to Music Lit	2
GE	122	Freshman Seminar	1
CSC	115	Computer Science I	3
CSC	160	CSC Major Orientation	1
			17

SECOND SEMESTER			
COURSE AND NUMBER			HRS
MATH	153	Diff & Int Cal	3
GE	103	Comp and Lit II	3
GE	185	Health Concepts	2
GE	141	World Civil II	3
GE		Phy Ed Activity	1
GE	130	Art Appreciation	2
CSC	215	Computer Science II	3
			17

SOPHOMORE YEAR

GE	201	World Lit I	3
		Natural Sci/Lab	4
CSC	218	Data Structures	3
ACCT	211	Prin of Acctg I	3
CSC	240	Modern Computing Protocols	3
			16

GE	202	World Lit II	3
PSY	212	Gen Psychology	3
MATA	262	Discrete Methods	3
GEOG	201	World Geography	3
CSC	219	Comp Org & Assembly	3
MNGT	221	Prin of Management	3
			18

JUNIOR YEAR

ECON	201	Prin of Econ I	3
BUAD	241	Business Law I	3
CSC	315	Programming Lang	3
CSC	325	Database Concepts and File Processing	3
MATH	351	Linear Algebra	3
STAT	251	Basic Statistics	3
			18

MRKT	231	Prin of Marketing	3
CSC	230	Modern Programming Applications	3
CSC	360	Jr Seminar in Comp Sci	1
		Electives	9
			16

SENIOR YEAR

BFIN	311	Prin of Finance	3
CSC	420	Operating System	3
CSC	410	Net-centric Computing	3
CSC	460	Sr Seminar in CS	1
CSC	412	Software Method and Engineering	3
		Elective	3
			16

CSC	413	Systems Anal & Design	3
CSC	415	Computer Graphics	3
CSC		Elective	3
		Minor/Elective	3
			12

* Or other CSC Elective

B.S. in Mathematics

A. *General Education Core ..... 43 Sem Hrs

B. Major Core Requirements ..... 47 Sem Hrs

1. Core Courses ..... 29 Sem Hrs
   - MATH 157 Calculus and Analytic Geometry I 3
   - MATH 158 Calculus and Analytic Geometry II 3
   - MATH 256 Calculus and Analytic Geometry III 3
   - MATH 257 Calculus and Analytic Geometry IV 3
   - MATH 351 Linear Algebra 3
   - MATH 365 Exit Seminar in Mathematics for Juniors
   - MATH 450 Advanced Calculus 3
   - MATH 458 Differential Equations 3
   - MATA 462 Mathematical Modeling 3
   - MATH 465 Exit Seminar in Mathematics for Seniors
   - STAT 351 Probability and Statistics I 3
2. Concentration Requirements ..... 12 Sem Hrs
   - MATH 350 Number Theory 3
   - MATH 354 Abstract Algebra I 3
   - MATH 454 History of Mathematics 3
   - MATH 455 Elements of Real Analysis 3
3. Discipline Area Electives ..... 6 Sem Hrs
   - MATA 262 Discrete Methods 3
   - MATH 352 College Geometry I 3
   - MATH 353 College Geometry II 3
   - MATA 366 Complex Variables 3
   - MATH 400 Operations Research 3
   - MATA 463 Applied Mathematics I 3
   - MATA 464 Applied Mathematics II 3
   - STAT 352 Probability and Statistics II 3

C. Related Area Courses Requirements ..... 10 Sem Hrs

*PHYS 182C/L University Physics II 4

Choose Group A or Group B 6

GROUP A		GROUP B	
CSC 115	Computer Science I	CSC 214	Fortran
CSC 215	Computer Science II	CSC 250	Computational Science

D. Minor/Electives (A Minor is Required) ..... 24-26 Sem Hrs

Minor in Secondary Education, Computer Science, Psychology, Physics, Chemistry, Biology, Industrial Technology, Business Administration, Statistics, Geology, or any other approved minor.

Total Hours Required for Degree ..... 124 Sem Hrs

* Students should choose PHYS 181C/L as one of the required Natural Science courses in their General Education requirements.

** with prior approval of the Department Chair, a student minoring in Secondary Education may substitute this course with an education course.

SUGGESTED CURRICULUM FOR A MAJOR IN MATHEMATICS

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	118	PreCalculus	3
GE		Phy Ed Activity	1
GE	102	Comp and Lit I	3
GE	135	Intro to Music Lit	2
GE	140	World Civil I	3
GE	122	Freshman Seminar	1
GE	155/L	Prin of Biological Science/Lab	4
			17

SECOND SEMESTER			
COURSE AND NUMBER			HRS
MATH	157	Calculus and Analytical Geometry I	3
GE	103	Comp and Lit II	3
GE	185	Health Concepts	2
GE	141	World Civil II	3
GE		Phy Ed Activity	1
GE	130	Art Appreciation	2
CSC	115	Computer Science I or	
CSC	214	FORTRAN	3
			17

SOPHOMORE YEAR

MATH	158	Calculus and Analytical Geometry II	3
PHYS	181C/L	Univ Phys I/Lab	4
GE	142	Intro to Geography	3
CSC	250	Computation Science	3
GE	201	World Lit I	3
			16

MATH	256	Calculus and Analytical Geometry III	3
GE	202	World Lit II	3
CSC	215	Computer Science II or Minor/Elective	3
PSY	212	General Psychology	3
PHYS	182C/L	Univ Phys II/Lab	4
			16

JUNIOR YEAR

MATH	257	Calculus and Analytical Geometry IV	3
MATH	350	Number Theory	3
MATH	351	Linear Algebra	3
		Minor/Electives	6
			15

MATH	354	Abstract Algebra	3
MATH	365	Exit Seminar Math/Jr	1
STAT	351	Prob & Statistics	3
MATA	366	Complex Variables	3
		Minor/Electives	6
			16

SENIOR YEAR

MATH	458	Differential Equations	3
MATH	465	Exit Seminar/Sr	1
MATH	454	History of Mathematics	3
MATA	462	Mathematics Modeling	3
		Minor/ Electives	6
			16

MATH	450	Advanced Calculus	3
MATH	455	Elem of Real Analysis	3
		Minor/Electives	6
			12

* Needed for minor in Secondary Education.

B.S. in Mathematics with a Concentration in Applied Mathematics

A.*General Education Core ..... 43 Sem Hrs

B. Major Core Requirements ..... 47 Sem Hrs

1. Core Courses ..... 29 Sem Hrs

MATH	157	Calculus and Analytic Geometry I 3
MATH	158	Calculus and Analytic Geometry II 3
MATH	256	Calculus and Analytic Geometry III 3
MATH	257	Calculus and Analytic Geometry IV 3
MATH	351	Linear Algebra 3
MATH	365	Exit Seminar in Mathematics for Juniors 1
MATH	450	Advanced Calculus 3

MATH 458 Differential Equations 3
MATH 465 Exit Seminar in Mathematics for Seniors 1
MATA 462 Mathematical Modeling 3
STAT 351 Probability and Statistics I 3

2. Concentration Requirements ..... 12 Sem Hrs
MATA 463 Applied Mathematics I 3
MATA 464 Applied Mathematics II 3
CSC 451 Numerical Computing 3
MATA 366 Complex Variables 3

3. Discipline Area Electives ..... 6 Sem Hrs
MATA 262 Discrete Methods 3
MATH 400 Operations Research 3
MATH 354 Abstract Algebra I 3
MATH 455 Elements of Real Analysis 3
STAT 352 Probability and Statistics II 3
STAT 451 Applied Statistical Analysis I 3
STAT 452 Applied Statistical Analysis II 3
STAT 454 Non-Parametric Statistics 3

C. Related Area Course Requirements ..... 13 Sem Hrs

*PHYS 182C/L University Physics II 4
ENGL 401 Technical Writing 3
Choose Group A or Group B 6

GROUP A		GROUP B	
CSC 115	Computer Science I	CSC 214	Fortran
CSC 215	Computer Science II	CSC 250	Computational Science

D. Minor/Electives (Required Minor or Double Major) ..... 21 Sem Hrs

Minor in Computer Science, Statistics, Aviation Science, Chemistry, Biology, Geology, Physics, Industrial Technology, or any other approved minor.

Total Hours Required for Degree ..... 124 Sem Hrs

* Students should choose PHYS 181C/L as one of the required Natural Science courses in their General Education requirements.

SAMPLE CURRICULUM FOR A MAJOR IN MATHEMATICS WITH A CONCENTRATION IN APPLIED MATHEMATICS

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	118	Precalculus	3
GE		Phy Ed Activity	1
GE	102	Comp and Lit I	3
GE	140	World Civil I	3
GE	135	Intro to Music Lit	2
GE	122	Freshman Seminar	1
GE	155/L	Prin of Biological Science/Lab	4
			17

SECOND SEMESTER			
COURSE AND NUMBER			HRS
MATH	157	Calculus & Analytical Geometry I	3
GE	103	Comp and Lit II	3
GE	185	Health Concepts	2
GE	141	World Civil II	3
GE		Phy Ed Activity	1
GE	130	Art Appreciation	2
			14

SOPHOMORE YEAR

MATH	158	Calculus and Analytical Geometry II	3	MATH	256	Calculus & Analytical Geometry III	3
PHYS	181C/L	Univ Phys I/Lab	4	PHYS	182C/L	Univ Phys II/Lab	4
CSC	115	Computer Science I	or	CSC	214	FORTRAN or	
CSC	250	Computational Science.	3	CSC	215	Computer Science II	3
ECON	201	Prin of Econ I	3	PSY	212	Gen Psychology	3
GE	201	World Lit I	3	GE	202	World Lit II	3
			16				16

JUNIOR YEAR

MATH	257	Calculus and Analytical Geometry IV	3	MATA	366	Complex Variables	3
MATH	351	Linear Algebra	3	MATH	365	Exit Seminar Math/Jr	1
STAT	351	Prob and Statistics I	3	MATH	354	Abstract Algebra	3
		Minor/Electives	6			Discipline Area Elective	3
			15			Minor/Electives	6
							16

SENIOR YEAR

MATH	458	Differential Equations	3	MATA	464	Applied Math II	3
MATH	465	Exit Seminar/Sr	1	ENGL	401	Technical Writing	3
MATA	463	Applied Math I	3	MATH	450	Advanced Calculus	3
CSC	451	Numerical Computing.	3	MATH	455	Elements of Real Analysis.	3
MATA	462	Math Modeling	3			Minor/Electives	3
		Minor/Electives	3				15
			16				

B.S. in Mathematics with a Concentration in Applied Statistics

A. General Education Core ..... 43 Sem Hrs

B. Major Core Requirements ..... 47 Sem Hrs

1. Core Courses ..... 29 Sem Hrs
   - MATH 157 Calculus and Analytic Geometry I 3
   - MATH 158 Calculus and Analytic Geometry II 3
   - MATH 256 Calculus and Analytic Geometry III 3
   - MATH 257 Calculus and Analytic Geometry IV 3
   - MATH 351 Linear Algebra 3
   - MATH 365 Exit Seminar in Mathematics for Juniors 1
   - MATH 450 Advanced Calculus 3
   - MATH 458 Differential Equations 3
   - MATH 465 Exit Seminar in Mathematics for Seniors 1
   - MATA 462 Mathematical Modeling 3
   - STAT 351 Probability and Statistics I 3
2. Concentration Requirements ..... 12 Sem Hrs
   - STAT 352 Probability and Statistics II 3
   - STAT 451 Applied Statistical Analysis I 3
   - STAT 452 Applied Statistical Analysis II 3
   - STAT 454 Non-Parametric Statistics 3
3. Discipline Area Electives ..... 6 Sem Hrs
   - MATA 262 Discrete Mathematics 3
   - STAT 453 Applied Statistical Analysis III 3
   - STAT 455 Applied Stochastic Processes 3
   - MATH 350 Number Theory 3
   - MATH 352 College Geometry I 3

MATH	354	Abstract Algebra I	3
MATH	454	History of Mathematics	3
MATH	455	Elements of Real Analysis	3
MATA	366	Complex Variables	3
MATH	400	Operations Research	3
MATA	463	Applied Mathematics I	3
MATA	464	Applied Mathematics II	3

C. Related Area Courses Requirements ..... 12 Sem Hrs

BFIN	311	Principles of Finance	3
ENGL	401	Technical Writing	3

Choose Group A or Group B 6

GROUP A			GROUP B		
CSC	115	Computer Science I	CSC	214	Fortran
CSC	215	Computer Science II	CSC	250	Computational Science

D. Minor/Electives (A minor is required) ..... 22 Sem Hrs

Minor in Computer Science, Applied Statistics, Aviation Science, Chemistry, Biology, Geology, Physics, Industrial Technology, or any other approved minor.

Total Hours Required for Degree ..... 124 Sem Hrs

SUGGESTED CURRICULUM FOR A MAJOR IN MATHEMATICS WITH A CONCENTRATION IN APPLIED STATISTICS

FRESHMAN YEAR

FIRST SEMESTER

COURSE AND NUMBER			HRS
GE	118	Precalculus	3
GE		Phy Ed Activity	1
GE	102	Composition & Lit. I	3
GE	140	World Civil I	3
GE	135	Intro. to Music Lit.	2
GE	122	Freshman Seminar	1
GE	155/L	Prin of Biological Science/Lab	4
			17

SECOND SEMESTER

COURSE AND NUMBER			HRS
MATH	157	Calculus and Analytical Geometry I	3
GE	103	Composition & Lit II	3
GE	185	Health Concepts	2
GE	141	World Civil II	3
GE		Phy Ed Activity	1
GE	130	Art Appreciation	2
			14

SOPHOMORE YEAR

MATH	158	Calculus and Analytical Geometry II	3
PHYS	181 C/L	Univ Phys I/Lab	4
CSC	115	Computer Science I or	
CSC	250	Computational Science	3
ECON	201	Prin of Econ I	3
GE	201	World Lit I	3
			16

MATH	256	Calculus and Analytical Geometry III	3
BFIN	311	Principle of Finance	3
CSC	214	FORTRAN or	
CSC	215	Computer Science II	3
PSY	212	Gen Psychology	3
GE	202	World Lit II	3
STAT	251	Basic Statistics	3
			18

JUNIOR YEAR

MATH	257	Calculus & Analytical Geometry IV	3
MATH	351	Linear Algebra	3
STAT	351	Prob & Statistics I	3
		Minor/Electives	6
			15

STAT	352	Prob and Statistics II	3
MATH	365	Exit Seminar Math/Jr	1
MATH	400	Operations Research	3
		Minor/Electives	9
			16

SENIOR YEAR

MATH	458	Different. Equations	3	STAT	452	Applied Statistics II	3
MATH	465	Exit Seminar/Sr	1	ENGL	401	Technical Writing	3
STAT	451	Applied Statistics I	3	MATH	450	Advanced Calculus	3
MATA	462	Math Modeling	3	STAT	454	Non-Parametric Stat	3
		Minor/Elective	6				12
			16				

MATHEMATICS CONCENTRATION IN ELEMENTARY EDUCATION

Major Core Requirements

GE	115	College Algebra	3
GE	118	Pre-calculus	3
STAT	251	Basic Statistics	3
MATH	121	Number Systems & Algebra	3
MATH	122	Geometry & Data Analysis	3
MATH	153	Differential and Integral Calculus for Non-Science Majors	3
MATH	454	History of Mathematics	3

and select one (1) additional course from among the following:

STAT 252	Basic Statistics II	3
MATH 351	Linear Algebra	3
CSC 115	Computer Science I	3
CSC 214	FORTRAN Prog	3
MATH 350	Number Theory	3
MATH 352	College Geometry I	3

MINOR AREAS OFFERED IN THE DEPARTMENT

MINOR: *Applied Mathematics

MATA	262	Discrete Methods	3
MATA	462	Mathematical Modeling	3
CSC	451	Numerical Computing	3
MATH	458	Differential Equations	3
MATA	463	Applied Mathematics I	3
MATA	464	Applied Mathematics II	3

Total Hours Required for Minor ..... 18 Sem Hrs

* MATH 158 Calculus & Analytic Geometry II and MATH 257 Calculus & Analytic Geometry IV are prerequisites for the minor in applied mathematics

MINOR: Computer Science

CSC	115	Computer Science I	3
CSC	215	Computer Science II	3
CSC	218	Data Structures	3
CSC	219	Assembly Language	3
CSC	325	Database Concepts and File Processing	3
CSC	420	Operating Systems	3

Total Hours Required for Minor ..... 18 Sem Hrs

MINOR: Mathematics

MATH	157	Calculus and Analytic Geometry I	3
MATH	158	Calculus and Analytic Geometry II	3
MATH	256	Calculus and Analytic Geometry III	3
MATH	257	Calculus and Analytic Geometry IV	3
MATH	351	Linear Algebra	3
STAT	351	Probability and Statistics I	3

Total Hours Required for Minor ..... 18 Sem Hrs

MINOR: Statistics (Choose Six Courses)

STAT	251	Basic Statistics I	3
STAT	252	Basic Statistics II	3
STAT	351	Probability and Statistics I	3
STAT	352	Probability and Statistics II	3
STAT	451	Applied Statistical Analysis I	3
STAT	452	Applied Statistical Analysis II	3
STAT	453	Applied Statistical Analysis III	3
STAT	454	Non-Parameter Statistics	3

Total Hours Required for Minor ..... 18 Sem Hrs

COMPUTER SCIENCE

CSC 111: INTRODUCTION TO COMPUTING (3) (F;S)

Introduction to the concepts of computing, both hardware and software, using the computer to solve professional problems, development of computing skills to process documents, to develop spreadsheets and graphs, and to use a database management tool, **Not for majors in Chemistry, Computer Science, Mathematics, Physics or Technology.** Prerequisite: None.

CSC 115: COMPUTER SCIENCE I (3) (F;S)

A first course in computer science for CS majors/minors as well as science and math majors. An overview of computer science and an introduction to programming. The course is taught in high level programming language, and the topics covered are data types, expression, assignment, selection, repetition, and function. Students are required to do programming projects. Prerequisite: GE 115 or higher or Consent of Instructor.

CSC 160: COMPUTER SCIENCE MAJORS ORIENTATION SEMINAR (1) (F;S)

A Survey of Computer and Information Science as a discipline and a profession. The mastery of useful modules for becoming an efficient and an effective computer specialist in both academia and the workplace (internship/professional) will be required. Prerequisite: None. Required for all Computer Science majors during freshman or sophomore year.

CSC 211: COBOL PROGRAMMING (3) (S)

Introduction to COBOL. The subject matter covers full ANSI Standard COBOL. Programming involving a variety of data processing and business applications. Prerequisite: Consent of Instructor.

CSC 214: FORTRAN PROGRAMMING (3) (F)

Covers modern basic and advanced features of FORTRAN programming. Programming concepts include flow diagrams, systematic development of algorithms, scientific and general problem-solving using FORTRAN. Prerequisite: GE 118.

CSC 215: COMPUTER SCIENCE II (3) (F;S)

A second course in computer science for CS majors/minors as well as science and math majors. Topics include arrays, pointers and references, classes, composition and inheritance, user-defined structures, text processing, and file I/O with emphasis in modular programming and structured programming. The course is taught using the same high level programming language as CSC 115. Programming projects arc expected. Prerequisite: CSC 115.

CSC 218: DATA STRUCTURES AND ALGORITHM ANALYSIS (3) (F;S)

Basic concepts of data structures and algorithm analysis. Topics include lists, stacks, queues, trees, graphs, sorting and searching algorithms. Prerequisite: CSC 215.

CSC 219: COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE (3) (F; S)

General computer organization including data representation, registers, machine language, addressing techniques, and programming in assembly language. Prerequisite: CSC 215.

CSC 230: MODERN PROGRAMMING APPLICATIONS (3) (F;S)

The course will introduce the students to two or more new programming languages in which the implementation of a number of programs/applications will be required in each language. Prerequisite: CSC 115.

CSC 240: MODERN COMPUTING PROTOCOLS (3) (F;S)

Students are introduced to the use and application of state-of-the-art software packages used in modern management information systems for business application and networking such as Oracle, Cisco, MCSE, A++, etc. Prerequisite: CSC 115.

CSC 250: COMPUTATIONAL SCIENCE AND COMPUTER VISUALIZATION (3) (S)

Students are required to become proficient in obtaining and using computation and visualization resources from the internet and in the use of state-of-the-art software packages in scientific computation and visualization provided in class. Prerequisites: GE 118, CSC 214 or CSC 215 or Consent of Instructor.

CSC 314: COMPUTER ARCHITECTURE (3) (F;S)

A study of logical construction of computers, including Boolean logic, memory and processor organization, input/output devices, interfacing and microprogramming; this course involves a laboratory component. Prerequisite: CSC 219.

CSC 315: PROGRAMMING LANGUAGES (3) (F;S)

A general study of programming language paradigms and categories, including specifications of syntax and semantics, and design issues; language structure, control structures and data flow, for procedural and non-procedural languages; an introduction to several programming languages and protocols, including Functional, Logic Based, Object-Oriented languages and others. Prerequisite: CSC 219.

CSC 322: UNIX ADMINISTRATION AND SYSTEMS PROGRAMMING (3) (S) (CSC 322 formerly CSC 320: Systems Programming)
This course covers a detailed introduction to UNIX operating system from the system administration perspective, text manipulation techniques using grep.sed, and awk, and shell programming using one of the shells. The course will also cover awk programming extensively. This class will have three components: administrative, programming and laboratory. Prerequisite: CSC 215.

CSC 325: DATABASE CONCEPTS AND FILE PROCESSING (3) (F;S)
Introduction to database concepts. Logical and physical data and file organization; hierarchical, networks, and relational data models. Data integrity and security will be discussed. Query languages and other database languages will be studied. Prerequisite: CSC 219.

CSC 360: JUNIOR SEMINAR IN COMPUTER SCIENCE (1) (S)
Study of major social and ethical issues in computing, including impact of computers on society and the computer professional's code of ethics. A review of computer science as a discipline area and a profession; introduction of modules in preparation for internship experiences and website development. Prerequisite: Junior status or Consent of Instructor.

CSC 409: ARTIFICIAL INTELLIGENCE (3) (S)
An introduction of the basic concepts and problem-solving techniques of artificial intelligence. The study of computers in context with human thought processes. Topics include heuristic programming, knowledge representation, natural language understanding, expert systems and search strategies; one or more computer languages will be used. Prerequisite: CSC 315.

CSC 410: NET-CENTRIC COMPUTING (3) (F) (CSC 410 was formerly named CSC 411: Computer Communications) Net-centric computing covers a range of sub-specialties including: computer communication network concepts and protocols, multimedia systems, Web standards and technologies, network security, wireless and mobile computing, and distributed systems. Mastery of this subject area involves both theory and practice. A laboratory component is involved. Prerequisite: CSC 314, CSC 322.

CSC 412: SOFTWARE METHODOLOGY AND ENGINEERING (3) (F)
A survey of software design in methodologies and techniques. Introduces the software development lifecycle. Topics include project management; project organization; specification methods, notations and tools; cost estimation models and techniques; configuration management; quality assurance, validation and verification. Prerequisite: CSC 315.

CSC 413: SYSTEM ANALYSIS AND DESIGN (3) (S)
A survey of techniques for performing system analysis and system design tasks. Includes sources of error in developing software, fundamental steps in developing software, duties and responsibilities of the System Analyst, automation of software development, problems in software development, the software life cycle, standard software development models, object-oriented software development, trends in software development, metrics. Students will produce a term project that consists of a medium/large design effort. Prerequisite: CSC 412.

CSC 415: COMPUTER GRAPHICS (3) (F)
An overview of the principles and methodologies of interactive Computer Graphics. Characteristics of display devices (e.g. refresh buffer, raster scan); representing primitive objects (lines, curves, surfaces), mathematical manipulation of graphical objects. Two- and three-dimensional transformations (translations, scaling, rotation); hidden lines and surfaces, shading and coloring, clipping algorithm, animation techniques. Prerequisites: MATH 351; CSC 218.

CSC 420: OPERATING SYSTEMS (3) (F;S)
Historical background. Operating system functions and concepts: processes, processor allocation, memory management, virtual memory. I/O and files, protection, design, and implementation. Several existing operating systems are discussed. Prerequisite: CSC 219.

CSC 421: TOPICS IN COMPUTER SCIENCE (3) (Upon Request)
Topics of current interest in Computer Science that would aid in the development of student's growth and development as a Computer Specialist. Prerequisite: Consent of Instructor and junior or senior classification.

CSC 430: UNDERGRADUATE RESEARCH IN COMPUTER SCIENCE (3) (Upon Request)
Directed study in an existing area of computer science resulting in a research project. Prerequisite: Consent of Instructor and junior or senior classification.

CSC 451: NUMERICAL AND SYMBOLIC COMPUTING (3) (S)
Solving mathematical and symbolic problems. Numerical algorithms fundamental to scientific computing; error analysis, nonlinear equations; linear systems, numerical interpolation and extrapolation; iterative methods of systems of equations and solution of differential equations, fundamental algorithms (e.g., matrix calculations, Taylor series). Prerequisites: MATH 351 and either CSC 214, CSC 215 or CSC 230.

CSC 452: INTERNSHIP (3-6) (F;S)
Students engage in supervised experience with business, industry or government. Evaluation to be based on written reports by employer and University supervisor. Prerequisite: Consent of Instructor.

CSC 460: SENIOR SEMINAR IN COMPUTER SCIENCE (1) (F)
Review of senior-level computer science topics, culminating in an exit test. Prerequisite: Senior status or Consent of Instructor.

GENERAL STUDIES

GE 115: COLLEGE ALGEBRA (3) (F;S;SS)
Fundamental algebraic ideas; equations and inequalities; functions and graphs; linear and quadratic functions, and polynomial and rational functions. Emphasis on calculator and computer use and modeling of problems. Prerequisite: Consent of Department Chairperson.

GE 115H: COLLEGE ALGEBRA (HONORS) (3) (F)
Basic concepts, complex numbers, first- and second-degree inequalities, graphing techniques, coordinate geometry, functions, exponential and logarithmic Functions, systems of equations, algebra of matrices, and determinants. Prerequisite: Consent of Department Chairperson.

GE 118: PRE CALCULUS (3) (F;S;SS)
Exponential and logarithmic functions, trigonometric functions, analytic trigonometry, trigonometric applications, and sequences and series. Emphasis on calculator and computer use and modeling of problem. Prerequisite: GE 115 or Consent of Department Chairperson.

MATHEMATICS

MATH 121: NUMBER SYSTEMS AND ALGEBRA (3) (F)
Designed for prospective elementary and middle school teachers. Emphasis on numeric and algebraic concepts, with applications to teaching. Topics include: sets; number systems and operations and properties of number; equations and inequalities; functions and graphs; appropriate use of technology; historical/cultural perspectives. Prerequisite: Consent of Department Chairperson.

MATH 122: GEOMETRY AND DATA ANALYSIS (3) (S)
A second course designed for prospective elementary and middle school teachers. Topics covered include: basic data analysis and statistics; measurement and problem in solving geometry; a study of geometric concepts and construction of geometric figures; logical arguments. Prerequisite: MATH 121 or GE 115.

MATH 153: DIFFERENTIAL AND INTEGRAL CALCULUS FOR NON-SCIENCE MAJORS (3) (F;S)
Basic differential and integral calculus involving techniques of differentiation and integration with applications business, economies, industry, management and behavioral sciences. Emphasis on intuitive and graphical understanding. Prerequisite: GE 118 or GE 118H.

MATH 157: CALCULUS AND ANALYTIC GEOMETRY I (3) (F;S;SS)
Coordinate geometry, limits and their properties, differentiation and applications of differentiation. Prerequisite: GE 118, Placement by Mathematics Placement Test or Consent of Department Chairperson.

MATH 158: CALCULUS AND ANALYTIC GEOMETRY II (3) (F;S;SS)
Integration, numerical integration, transcendental functions, applications and techniques of integration. Prerequisite: MATH 157.

MATH 256: CALCULUS AND ANALYTIC GEOMETRY III (3) (F;S)
Improper integrals, Taylor polynomials and series, conic sections, parametric equations and polar coordinates, indeterminate forms, and applications of differential and integral calculus. Prerequisite: MATH 158.

MATH 257: CALCULUS AND ANALYTIC GEOMETRY IV (3) (F;S)
Vectors and the geometry of space. vector-valued functions, functions of several variables, multiple integration. Applications of calculus of several variables. Elements of vector analysis. Prerequisite: MATH 256.

MATH 350: NUMBER THEORY (3) (F)
The Euclidean algorithm and unique factorization, eongruences, the function tau and sigma, Fermat's

theorem, Primitive roots, Diophantine equations, the quadratic reciprocity law, numbers in other bases, continued fractions, Pell's equations . Computer-assisted instructional techniques used in teaching some topics. Prerequisites: CSC 111; GE 118.

MATH 351: LINEAR ALGEBRA (3) (F;S)
Fundamental theory of finite dimensional vector spaces, matrices and linear transformations, including or- orthogonality; eigenvalues and eigenvectors. Applications of linear algebra to social, biological and physical sciences. Computer-assisted instructional techniques used in teaching some topics. Prerequisites: MATH 153 or 158 and a computer science course.

MATH 352: COLLEGE GEOMETRY I (3) (F)
The Arehimedean Postulate, Euclidean completeness, betweenness, convexity and separation, incidence, congruence, geometric inequalities, absolute plane geometry, parallel postulate, similarity, perpendicular lines in plane and space, circles, rigid motion, constructions, solid mensuration, consistency of Euelidean Geometry, Postulational method. Prerequisite: GE 118 or consent of the Department Chair

MATH 353: COLLEGE GEOMETRY II (3) (S)
Non-Euclidean geometry, Geometric transformations of Euclidean plane and projective geometry. Prerequisite: MATH 352

MATH 354: ABSTRACT ALGEBRA I (3) (S)
Set theory, mappings, mathematical induction, binary operations, groups, cyclic and symmetric groups, subgroups, equivalence relations, Lagrange theorem, homomorphism and normal subgroups, factor groups, isomorphism Theorems, direct products. Prerequisite: MATH 351.

MATH 365: EXIT SEMINAR IN MATHEMATICS FOR JUNIORS (1) (S)
Review of junior-level mathematics topics, culminating in an exit test. Prerequisites: Junior standing or Consent of Department Chairperson.

MATH 450: ADVANCED CALCULUS (3) (S)
Laplace transform, Laplace transform of periodic functions, application of Laplace transform, Heaviside unit step function, Dirac delta impulse function, inverse Laplace transform, Trigonometric Fourier Series, One-dimensional wave equation Prerequisite: MATH 458.

MATH 454: HISTORY OF MATHEMATICS (3) (F)
Lectures and discussions on development of mathematical thought and evolution of mathematical ideas including techniques and procedures used in earlier eras. Babylonian and Egyptian Mathematics; Greek Mathematics; Chinese, Hindu and Arabian Mathematics, European Mathematics; Modern Mathematics; American Mathematicians; African-American Mathematicians and their contributions. Prerequisite: GE 115 or Consent of Department Chairperson.

MATH 455: ELEMENTS OF REAL ANALYSIS (3) (S)
Sets and countability. The real number systems. Sequences, limits, infinite series, metric space, continuous functions, uniform continuity, and convergence. Riemann and Lebesgue integration. Students are required to submit written work and make an oral presentation. Prerequisite: MATH 257.

MATH 456: CONTEMPORARY ISSUES IN MATHEMATICS EDUCATION (3) (Upon Request)
Lectures and discussion on various issues in mathematics education, surveying trends and developments with emphasis on content, meaning, methods, current status and implications for the profession. Prerequisite: Consent of Department Chairperson.

MATH 458: DIFFERENTIAL EQUATIONS (3) (F;S)
Methods of solution of ordinary differential equations of the first order and of higher orders. Applications of ordinary differential equations in physics, geometry, chemistry and biology. Use the computer for the numerical solution of the differential equations. Prerequisites: MATH 257; CSC 111.

MATH 459/460: SPECIAL STUDIES/SEMINARS IN MATHEMATICS I, II (1-3) (Upon Request)
Independent or small-group study in selected areas of mathematics, culminating in approved project or research paper. (This also may be used for organizing workshops or academic-year institutes for mathematics teachers of high schools and junior high schools.) These courses may be repeated. Prerequisite: Consent of Department Chairperson.

MATH 465: EXIT SEMINAR IN MATHEMATICS FOR SENIORS (1) (F)
Review of senior-level mathematics topics, culminating in an exit test. Prerequisites: Senior standing or Consent of Department Chairperson.

APPLIED MATHEMATICS

MATA 262: DISCRETE METHODS (3) (S) (MATA 262 formerly MATA 362)
Graph Theory-graphs as models; basic properties of graphs, digraphs and trees; applications in search-

ing, spanning trees, graph coloring, Eulerian and Hamiltonian circuits. Combinatorics — motivating problems and applications, inclusion/exclusion principle; recurrence relations. Prerequisite: GE 118 and CSC 214 or 215.

MATA 366: COMPLEX VARIABLES (3) (F)
Elementary functions, differentiation and integration of analytic functions, Taylor and Laurent series, contour integration, and residue theory. Conformal mapping. Use of computer in problem solving. Prerequisites: MATH 257

MATA 400: Operations Research (3) (F) (was formerly named Optimization Techniques)
Linear programming, nonlinear programming, activity network, network flow, queuing, dynamic programming, control theory, production planning, stochastic processes, simulation. Prerequisite: MATH 256, MATH 351, STAT 251 or a higher level course.

MATA 462: MATHEMATICAL MODELING (3) (F)
Mathematical model building, mathematical models in physical, biological, social and behavioral sciences and economics: population models, spread of epidemics, drug dosage. Communication and news transmission, arms race, optimization and stochastic models. Prerequisite: MATH 256.

MATA 463: APPLIED MATHEMATICS I (3) (F)
Review of Vector Algebra. Differentiation and integration of vectors. Scalar and vector fields. Orthogonal curvilinear systems of coordinates. Gradient, divergence, curl and Laplacian in rectangular, cylindrical and spherical systems of coordinates. Differential operations of second order. Theorems of Gauss, Stokes and Green. Applications of vector analysis. Prerequisite: MATH 257.

MATA 464: APPLIED MATHEMATICS II (3) (S)
Orthogonal and orthonormal functions, generalized Fourier series, Trigonometric Fourier Series, partial differential equations and their classification. Method of separation of variables. The wave equation, The heat equation, The potential equation Prerequisite: MATH 458.

APPLIED STATISTICS

STAT 251: BASIC STATISTICS I (3) (F; S; SS)
Collection and organization of data. Numerical descriptive measures of data. Probability and probability distributions, including normal approximation of binomial. Sampling distribution of mean. Estimation and hypothesis testing of one mean and one proportion. Simple linear regression and correlation. Use of at least one computer based statistical package. Prerequisite: GE 115.

STAT 252: BASIC STATISTICS II (3) (S)
Estimation and hypothesis testing of two means and two proportions. Multiple regression. Chisquare tests. F-test and analysis of variance. Non-parametric and distribution free methods. Sampling techniques. Use of at least one computer based statistical package. Prerequisite: STAT 251.

STAT 351: PROBABILITY AND STATISTICS I (3) (F; S)
Probability theory. Random variables and probability functions. Expectation, moments, and moment generating function. Regression and correlation. Prerequisite: MATH 158.

STAT 352: PROBABILITY AND STATISTICS II (3) (S)
Estimation and hypothesis testing theory. Analysis of variance. Simple and multiple regression. Analysis of categorical data. Non-parametric methods. Prerequisite: STAT 351.

STAT 451: APPLIED STATISTICAL ANALYSIS I (3) (F)
Statistical inference in regression analysis; point and interval estimation of parameters, hypothesis testing. Linear regression, correlation, and multiple regression. Prerequisite: STAT 251 or consent of Department Chairperson.

STAT 452: APPLIED STATISTICAL ANALYSIS II (3) (S)
Single factor experiments; completely randomized, randomized complete blocks, and Latin squares. Sampling techniques, sampling from wildlife population. Prerequisite: STAT 251.

STAT 453: APPLIED STATISTICAL ANALYSIS III (3) (F)
Incomplete block designs, factorial experiments, fractionally replicated experiments, nested designs, multi factor experiments with randomized restrictions. Prerequisite: STAT 452.

STAT 454: NON-PARAMETRIC STATISTICS (3) (F)
Theory and applications of binomial tests, rank tests, and sign tests. Tests for contingency tables. Prerequisite: STAT 352.

STAT 455: APPLIED STOCHASTIC PROCESSES (3) (S)
Bernoulli process, Markov chains, Poisson process, Markov process, birth and death processes. Prerequisite: STAT 352.

The Department of Technology offers courses leading to Bachelor of Science Degrees in Industrial Technology and Aviation Science.

INDUSTRIAL TECHNOLOGY

The program prepares individuals as Industrial Technologists for professional responsibilities in the technical and management phase of industry, business, or government. The program offers specializations and minors in "Computer and Electronics Technology", "Computer Networking Technology", and "Mechanical and Manufacturing Technology". The curriculum has been designed to provide comprehensive understanding of important content technology areas along with hands-on experiences. Study in the area of industrial technology affords students opportunities for advancement in managerial and supervisory positions of industry, business and government.

AVIATION SCIENCE

The Aviation Science program offers students an academic experience that will provide a sound foundation and the required skills to function resourcefully in the aviation industry sphere. The program is designed to enable the successful student to acquire technical and managerial skills that are requisites to fulfilling the critical aviation needs of government, business and industry. Core curriculum in the Aviation Science program lead to the Bachelor of Science degree with a major in Aviation Science and with a minor in: Electronics, Computer Science, Business Administration, or another selected minor with the Program Director's approval.

SPECIALIZATIONS AND MINORS

Industrial Technology

Students pursuing a major in Industrial Technology may select a specialization in "Computer and Electronics", "Computer Networking", or "Mechanical and Manufacturing". Students seeking a minor in computer science or in other technical areas must have the consent of the Departmental Chairperson. A selected specialization will allow students to gain technical depth within the Industrial Technology Program. Also, with approval of Department Chairperson, individuals (excluding an Industrial Technology Majors) may pursue a Minor in Industrial Technology.

Aviation Science

All degree candidates will complete a core Aviation Science curriculum that includes a rigorous blend of mathematics, science, technology, communications, computers, organizational management and a selection of aviation courses. Students can focus on one of several specialized fields in aviation science. They include Electronics, Business Administration, Computer Science and Physics, as well as other selected minors. Students majoring in other discipline areas may have the opportunity to earn an Aviation Science minor.

OPPORTUNITIES FOR GRADUATES

Industrial Technology

Employment opportunities for quality Industrial Technologists should be excellent for the next decade in the computers, electronics, computer networking, mechanical, and manufacturing industries. Graduates may work in a liaison relationship with engineers or technicians in production or research activities. Graduates are qualified for entry-level supervisory positions in industrial management. United States industries will continue to employ Industrial Technology graduates for technical management positions because of their unique background to interpret and demonstrate technological systems.

Aviation Science

There are many various career opportunities for graduates of the Aviation Science program. A sampling of these careers includes Airport Management, Electronic Technology, General Aviation Operation Management, Computer Science Specialists, Radar Specialists and Aviation Information Technology.

Aviation transportation is the primary system of passenger conveyance and cargo movement in the world. The radical and rapid progress in this unique system is a function that has been achieved through the application of new and refined technologies. Government and private industry in aviation related fields are rapidly expanding and very dependent upon the entry-level employees

who are well qualified in this field. This program is designed for those interested in entering into this exciting and rewarding vocation.

ACCREDITATIONS

The Industrial Technology Program is accredited by the National Association of Industrial Technology (NAIT).

TRANSFER STUDENTS

Transfer students from other accredited universities, community, and technical colleges may be admitted to the Department with advanced standing. Specific course requirements for these students will be made on an individual basis after their previously earned credits have been assessed.

MAJOR: B.S. Degree in Industrial Technology

A.	**General Education Core**		**44**	**Sem Hrs**
B.	**Major Core Requirements**		**42**	**Sem Hrs**
	TECH	103	Principles of Technology	3
	TECH	105	Technical Graphics	3
	TECH	220	Computer-Aided Drafting and Solid Modeling	3
	TECH	401	Industrial Plant Management	3
	TECH	457	Quality Assurance	3
	TCEL	131	Electrical Circuits I	3
	TCEL	132	Electrical Circuits II	3
	TCEL	234	Analog Electronics	3
	TCEL	405	Electromechanical Control	3
	TMEC	218	Applied Statics	3
	TMEC	230	Material Science	3
	TMFG	358	Production Technology	3
	TMFG	407	Industrial Robotics	3
	TMFG	410	Cost Estimation	3
C.	**Related Course Requirements**		**19**	**Sem Hrs**
	CSC	115	Computer Science I	3
	MATH	153	Differential/Integral Calculus	3
	PHYS	182/L	General Physics II/Lab	4
	ACCT	211	Principles of Accounting I	3
	STAT	251	Basic Statistics	3
	ENGL	401	Technical Writing	3
D.	**Specialization Requirements**		**15**	**Sem Hrs**
E.	**Electives (Technical, Free, Restrictive)**		**6**	**Sem Hrs**
	Total Hours Required for Degree		**126**	**Sem Hrs**

* GE 118 (Pre Calculus), PHY 181/L (General Physics I/Lab), CHEM 101/L (General Chemistry I/Lab), ECON 201 (Principles of Economics I) must be taken for general education.

SPECIALIZATIONS

Computer and Electronics Technology

TCEL	336	Digital Electronics	3
TCEL	384	Microprocessors I	3
TCEL	438	Microprocessors II	3
TCPU	216	PC Support Technology	3
TCPU	444	Data and Network Communications	3

Total Hours Required for Specialization ..... 15 Sem Hrs

MECHANICAL AND MANUFACTURING TECHNOLOGY

TMEC	305	Fluids Technology	3
TMEC	310	Mechanical Systems	3
		OR	
TMEC	418	Machine Design	3
TMEC	411	Thermal Systems	3
TMEC	404	Strength of Materials	3
TMFG	409	Computer-Aided Manufacturing	3

Total Hours Required for Specialization ..... 15 Sem Hrs

COMPUTER NETWORKING TECHNOLOGY

TCPU	216	PC Support Technology	3
TCPU	310	Operating Systems for Technology	3
TCPU	444	Data and Network Communications	3
TCPU	460	Network Management	3
CSC	322	UNIX Administration and System Programming	3
		OR	
		Other related course	3

Total Hours Required for Specialization ..... 15 Sem Hrs

NAIT ACCREDITED PROGRAM
CURRICULUM GUIDE FOR MAJORS IN INDUSTRIAL TECHNOLOGY
(Specialization in Computer and Electronics Technology)

FRESHMAN YEAR

FIRST SEMESTER

COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
GE	118	Precalculus	3
TCEL	131	Electrical Circuits I	3
GE	122	Freshman Seminar	1
GE	140	World Civilization I	3
GE		Physical Ed. Activity	1
TECH	103	Principles of Technology	3
			17

SECOND SEMESTER

COURSE AND NUMBER			HRS
GE	103	Comp. and Literature II	3
TCEL	132	Electrical Circuits II	3
TECH	105	Technical Graphics	3
MATH	153	Differential/Integral Calculus	3
GE	141	World Civilization II	3
GE		Physical Ed. Activity	1
GE	185	Health Concepts	2
			18

SOPHOMORE YEAR

PHYS	181/L	General Physics I/Lab	4
CHEM	101/L	General Chemistry I/Lab	4
GE	201	World Literature I	3
TMEC	230	Material Science	3
TCEL	234	Analog Electronics	3
			17

PHYS	182/L	General Physics II/Lab	4
PSY	212	General Psychology	3
GE	130	Art Appreciation	2
GE	202	World Literature II	3
TCPU	216	PC Support Technology	3
GE	135	Introduction to Music	2
			17

JUNIOR YEAR

TECH	220	CAD and Solid Modeling	3
ECON	201	Principles of Economics I	3
TCEL	336	Digital Electronics	3
CSC	115	Computer Science I	3
STAT	251	Basic Statistics	3
TMFG	358	Production Tech.	3
			18

ENGL	401	Technical Writing	3
ACCT	211	Principles of Accounting I	3
TMEC	218	Applied Statics	3
TCEL	405	Electromech. Control	3
TCEL	384	Microprocessors I	3
			15

SENIOR YEAR

TECH	401	Indust. Plant Mgmt	3
TCEL	438	Microprocessors II	3
TCPU	444	Data and Network Communication	3
		Restricted Elective	3
			12

TMFG	407	Industrial Robotics	3
TECH	457	Quality Assurance	3
TMFG	410	Cost Estimation	3
		Restrictive Elective	3
			12

NAIT ACCREDITED PROGRAM
CURRICULUM GUIDE FOR MAJORS IN INDUSTRIAL TECHNOLOGY
(Specialization in Mechanical and Manufacturing Technology)

FRESHMAN YEAR

FIRST SEMESTER

COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
GE	118	Precalculus	3
TCEL	131	Electrical Circuits I	3
GE	122	Freshman Seminar	1
GE	140	World Civilization I	3
GE		Physical Ed. Activity	1
TECH	103	Principles of Technology	3
			17

SECOND SEMESTER

COURSE AND NUMBER			HRS
GE	103	Comp. and Literature II	3
TCEL	132	Electrical Circuits II	3
TECH	105	Technical Graphics	3
MATH	153	Differential/Integral Calculus	3
GE	141	World Civilization II	3
GE		Physical Ed. Activity	1
GE	185	Health Concepts	2
			18

SOPHOMORE YEAR

PHYS	181/L	General Physics I/Lab	4
CHEM	101/L	General Chemistry I/Lab	4
GE	201	World Literature I	3
TECH	230	Material Science	3
TCEL	234	Analog Electronics	3
			17

PHYS	182/L	General Physics II/Lab	4
PSY	212	General Psychology	3
GE	130	Art Appreciation	2
GE	202	World Literature II	3
TMEC	218	Applied Statics	3
GE	135	Introduction to Music Literature	2
			17

JUNIOR YEAR

TECH	220	CAD and Solid Modeling	3
ECON	201	Principles of Economics I	3
TMEC	310	Mechanical Systems	3
CSC	115	Computer Science I	3
STAT	251	Basic Statistics	3
TMFG	358	Production Technology	3
			18

ENGL	401	Technical Writing	3
ACCT	211	Principles of Accounting I	3
TMEC	305	Fluids Technology	3
TCEL	405	Electromech. Control	3
TMFG	410	Cost Estimation	3
			15

SENIOR YEAR

TECH	401	Indust. Plant Mgmt.	3
TMFG	409	Comp. Aided Manufacturing	3
TMEC	404	Strength of Materials	3
		Restricted Elective	3
			12

TMFG	407	Industrial Robotics	3
TECH	457	Quality Assurance	3
TMEC	411	Thermal Systems	3
		Restricted Elective	3
			12

NAIT ACCREDITED PROGRAM
CURRICULUM GUIDE FOR MAJORS IN INDUSTRIAL TECHNOLOGY
(Specialization in Computer Networking Technology)

FRESHMAN YEAR

FIRST SEMESTER

COURSE AND NUMBER			HRS
GE	102	Comp. and Literature I	3
GE	118	Precalculus	3
TCEL	131	Electrical Circuits I	3
GE	122	Freshman Seminar	1
GE	140	World Civilization I	3
GE		Physical Ed. Activity	1
TECH	103	Principles of Technology	3
			17

SECOND SEMESTER

COURSE AND NUMBER			HRS
GE	103	Comp. and Literature II	3
TCEL	132	Electrical Circuits II	3
TECH	105	Technical Graphics	3
MATH	153	Differential/Integral Calculus	3
GE	141	World Civilization II	3
GE		Physical Ed. Activity	1
GE	185	Health Concepts	2
			18

SOPHOMORE YEAR

PHYS	181/L	General Physics I/Lab	4
CHEM	101/L	General Chemistry I/Lab	4
GE	201	World Literature I	3
TMEC	230	Material Science	3
TCEL	234	Analog Electronics	3
			17

PHYS	182/L	General Physics II/Lab	4
PSY	212	General Psychology	3
GE	130	Art Appreciation	2
GE	202	World Literature II	3
TCPU	216	PC Support Tech	3
GE	135	Introduction to Music Literature	2
			17

JUNIOR YEAR

TECH	220	CAD and Solid Modeling	3
TCPU	310	Operating Systems for Tech.	3
ACCT	211	Principles of Accounting I	3
CSC	115	Computer Science I	3
STAT	251	Basic Statistics	3
TMFG	358	Production Tech	3
			18

CSC	322	UNIX Administration	3
TMFG	410	Cost Estimation	3
TMEC	218	Applied Statics	3
TCEL	405	Electromech. Control	3
ECON	201	Principles of Economics I	3
			15

SENIOR YEAR

TECH	401	Indust. Plant Mgmt.	3
ENGL	401	Technical Writing	3
TCPU	444	Data and Network Communication	3
		Restricted Elective	3
			12

TMFG	407	Industrial Robotics	3
TECH	457	Quality Assurance	3
		Restrictive Elective	3
TCPU	460	Network Management	3
			12

With the approval of the Department Chairperson, an individual (excluding an Industrial Technology Major) may receive a Minor in Computer and Electronics, Mechanical and Manufacturing, Computer Networking, or Industrial Technology.

MINOR: Computer and Electronics

TCEL	131	Electrical Circuits I	3
TCEL	132	Electrical Circuits II	3
TCPU	216	PC Support Technology	3
TCEL	336	Digital Electronics	3
TCEL	384	Microprocessors I	3
TCEL	438	Microprocessors II	3
TCPU	444	Data and Network Communication	3

Total Hours Required for Minor ..... 21 Sem Hrs

MINOR: Mechanical and Manufacturing

TECH	220	CAD and Solid Modeling	3
TMEC	218	Applied Statics	3
TMEC	305	Fluids Technology	3
TMEC	310	Mechanical Systems	3
TMEC	404	Strength of Materials	3
TMFG	409	Computer-Aided Manufacturing	3
TMEC	411	Thermal Systems	3

Total Hours Required for Minor ..... 21 Sem Hrs

MINOR: Computer Networking

TCEL	131	Electrical Circuits I	3
TCEL	132	Electrical Circuits II	3
TCPU	216	PC Support Technology	3
TCPU	310	Operating Systems	3
TCEL	336	Digital Electronics	3
TCPU	444	Data and Network Communication	3
TCPU	460	Network Management	3

Total Hours Required for Minor ..... 21 Sem Hrs

MINOR: Industrial Technology

TECH	103	Principles of Technology	3
TECH	105	Technical Graphics	3
TCEL	131	Electrical Circuits I	3
TMFG	358	Production Technology	3
TECH	401	Industrial Plant Management	3
TMFG	410	Cost Estimation	3
TECH	457	Quality Assurance	3

Total Hours Required for Minor ..... 21 Sem Hrs

MAJOR: B.S. Degree in Aviation Science with a Minor in Business Administration

A. *General Education Core ..... 43 Sem Hrs

B. Major Core Requirements ..... 45 Sem Hrs

1. Aviation Science Requirements ..... 36 Sem Hrs

AVI	110	Introduction to Aeronautics	3
AVI	220	Air Transportation	3
AVI	230	Aviation Management	3
AVI	232	Aviation Safety	3
AVI	314/314L	Aviation Meteorology/Lab	4
AVI	315	Aviation Legislation	3
AVI	320	Junior Aviation Seminar	1
AVI	413/413L	Air Traffic Control/Lab	4
AVI	416	National Airspace System	3
AVI	410/410L	Aero. & Aircraft Performance/Lab	4
AVI	460	Internship	3-6
AVI	465	Aviation Capstone	2

2. Discipline Area Course Requirements ..... 9 Sem Hrs

MNGT	321	Human Resource Management	3
MNGT	322	Organization Behavior	3
BUAD	455	Business Policy	3

C.	**Related Area Courses**		**13**	**Sem Hrs**
	ECON	201	Principles of Economics I	3
	ECON	202	Principles of Economics II	3
	PHYS	182/182L	General Physics II/Lab	4
	BUAD	456	International Business	3
D.	**Business Administration Minor**		**21**	**Sem Hrs**
	BUAD	115	Introduction to Business	3
	BUAD	200	Business Communication	3
	ACCT	211	Principles of Accounting I	3
	ACCT	212	Principles of Accounting II	3
	MNGT	221	Principles of Management	3
	MRKT	231	Principles of Marketing	3
	BFIN	311	Principles of Finance	3
E.	**Electives**		**6**	**Sem Hrs**
	Total Hours Required for Degree		**128**	**Sem Hrs**

* Students should take the following as part of the GE course requirements: GE 118, Precalculus; Math 153 Diff/Integral Calculus; PHYS 181L General Physics I and Lab.

CURRICULUM GUIDE FOR MAJORS IN AVIATION SCIENCE WITH A MINOR IN BUSINESS ADMINISTRATION

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	118	Precalculus	3
GE		Physical Ed. Activity	1
GE	102	Comp. and Literature I	3
GE	140	World Civilization I	3
BAUD	115	Intro to Business	3
AVI	110	Introduction to Aeronautics	3
GE	122	Freshman Seminar	1
			17

SECOND SEMESTER			
COURSE AND NUMBER			HRS
MATH	153	Diff./Integral Calculus	3
AVI	220	Air Transportation	3
GE	103	Comp. and Literature II	3
GE	130	Art Appreciation	2
BAUD	200	Business Communication	3
GE	141	World Civilization II	3
			17

SOPHOMORE YEAR

GE	201	World Literature I	3
PHYS	181/L	General Physics I/Lab	4
AVI	230	Aviation Management	3
GE		Physical Ed. Activity	1
ECON	201	Principles of Economics I	3
GE	135	Intro. to Music Literature	2
			16

GE	202	World Literature II	3
AVI	232	Aviation Safety	3
GE	185	Health Concepts	2
PHYS	182/L	General Physics II/Lab	4
ECON	202	Principles of Economics II	3
			15

JUNIOR YEAR

AVI	315	Aviation Legislation	3
MNGT	221	Principles of Management	3
BFIN	311	Principles of Finance	3
ACCT	211	Principles of Accounting	3
PSY	212	General Psychology	3
		Elective	3
			18

AVI	314/L	Aviation Meteorology/Lab	4
AVI	320	Junior Aviation Seminar	1
MRKT	231	Principles of Marketing	3
GEOG	201	World Geography	3
MNGT	322	Organizational Behavior	3
ACCT	212	Principles of Accounting II	3
			17

SENIOR YEAR

AVI	413/L	Air Traffic Control/Lab	4
AVI	410/L	Aerodynamics/Lab	4
BUAD	455	Business Policy	3
AVI	460	Internship	3
			14

AVI	416	National Airspace System	3
BUAD	456	International Business	3
AVI	460	Aviation Capstone	2
MGMT	321	Human Resource Management	3
		Elective	3
			14

MAJOR: B.S. Degree in Aviation Science with a Minor in Computer Science

A.	***General Education Core**	**43**	**Sem Hrs**
B.	**Major Core Requirements**	**45**	**Sem Hrs**
	1. Aviation Science Requirements	36	Sem Hrs
	AVI 110 Introduction to Aeronautics	3	
	AVI 220 Air Transportation	3	
	AVI 230 Aviation Management	3	
	AVI 232 Aviation Safety	3	
	AVI 314/314L Aviation Meteorology	3	
	AVI 315 Aviation Legislation	3	
	AVI 320 Junior Aviation Seminar	1	
	AVI 410/410L Aerodynamics and Aircraft Performance	3	
	AVI 413 Air Traffic Control	3	
	AVI 416 National Airspace System	3	
	AVI 460 Internship	3-6	
	AVI 465 Aviation Capstone	2	
	2. Discipline Area Course Requirements	9	Sem Hrs
	CSC 314 Computer Architecture	3	
	CSC 322 UNIX Administration & Systems	3	
	CSC 409 Artificial Intelligence	3	
C.	**Related Area Courses**	**13**	**Sem Hrs**
	PHYS 182C/L University Physics II/Lab	4	
	MATH351 Linear Algebra	3	
	SPCH 314 Public Speaking	3	
	MATA 262 Discrete Methods	3	
D.	**Computer Science Minor**	**21**	**Sem Hrs**
	CSC 115 Computer Science I	3	
	CSC 215 Computer Science II	3	
	CSC 218 Data Structures and Algorithm Analysis	3	
	CSC 219 Computer Organization and Assembly Lang.	3	
	CSC 315 Programming Languages	3	
	CSC 325 Database Concepts and File Processing	3	
	CSC 420 Operating Systems	3	
E.	**Electives**	**6**	**Sem Hrs**
	Total Hours Required for Degree	**128**	**Sem Hrs**

* Students should take the following as part of the GE course requirements: , Precalculus, GE 118; Differential and Integral Calculus, MATH 157; Calculus and Analytical Geometry; University Physics I, PHYS 181C/L.

CURRICULUM GUIDE FOR MAJORS IN AVIATION SCIENCE WITH A MINOR IN COMPUTER SCIENCE

FRESHMAN YEAR

FIRST SEMESTER			
COURSE AND NUMBER			HRS
GE	118	Precalculus	3
GE		Physical Ed. Activity	1
GE	102	Comp. and Literature I	3
GE	140	World Civilization I	3
GE	135	Intro to Music Lit.	3
AVI	110	Intro to Aeronautics	3
GE	122	Freshman Seminar	1
			16

SECOND SEMESTER			
COURSE AND NUMBER			HRS
MATH	157	Calculus/Analytic Geometry I	3
AVI	220	Air Transportation	3
GE	103	Comp. and Literature	3
GE	130	Art Appreciation	2
CSC	115	Computer Science I	3
GE	141	World Civilization II	3
			17

SOPHOMORE YEAR

GE	201	World Literature I	3
PHYS	181 C/L	Univ Physics I/Lab	4
AVI	230	Aviation Management	3
GE		Physical Ed. Activity	1
CSC	215	Computer Science II	3
GE	185	Health Concepts	2
			16

GE	202	World Literature II	3
PHYS	182C/L	Univ Physics II/Lab	4
AVI	232	Aviation Safety	3
CSC	218	Data Structures	3
CSC	219	Comp. Org & Assembly Lang	3
			16

JUNIOR YEAR

AVI	315	Aviation Legislation	3
CSC	315	Program Language	3
CSC	325	Database Concepts	3
PSY	212	General Psychology	3
MATH	351	Linear Algebra	3
SPCH	314	Public Speaking	3
			18

AVI	314/L	Aviation Meteorology/Lab	4
AVI	320	Junior Aviation Seminar	1
MATA	262	Discrete Methods.	3
GEOG	201	World Geography	3
CSC	314	Computer Arch	3
			14

SENIOR YEAR

AVI	413/L	Air Traffic Control/Lab	4
AVI	410/L	Aerodynamics/Lab	4
CSC	420	Operating System	3
AVI	460	Internship	3
		Elective	3
			17

AVI	416	National Airspace System	3
AVI	465	Aviation Capstone	2
CSC	409	Artificial Intelligence	3
CSC	322	Systems Program	3
		Elective	3
			14

MAJOR: B.S. Degree in Aviation Science with a Minor in Electronics

A. *General Education Core ..... 43 Sem Hrs

B. Major Core Requirements ..... 45 Sem Hrs

1. Aviation Science Requirements ..... 36 Sem Hrs

AVI	110	Introduction to Aeronautics	3
AVI	220	Air Transportation	3
AVI	230	Aviation Management	3
AVI	232	Aviation Safety	3
AVI	314/314L	Aviation Meteorology/Lab	4
AVI	315	Aviation Legislation	3
AVI	320	Junior Aviation Seminar	1
AVI	413/413L	Air Traffic Control/Lab	4

	AVI 416	National Airspace System	3	
	AVI 410/410L	Aerodynamic & Aircraft Performance/Lab	4	
	AVI 460	Internship	3-6	
	AVI 465	Aviation Capstone	2	
2.	Discipline Area Course Requirements		9	Sem Hrs
	TECH 105	Technical Graphics	3	
	TCPU 444	Data and Network Communications	3	
	TCPU 216	PC Support Technology	3	
C.	**Related Area Courses**		**13**	**Sem Hrs**
	CSC 115	Computer Science I	3	
	PHYS 182C/182L	University Physics II/Lab	4	
	SPCH 314	Public Speaking	3	
	ACCT 211	Principles of Accounting I	3	
D.	**Electronics Minor**		**21**	**Sem Hrs**
	TCEL 131	Electrical Circuits I	3	
	TCEL 132	Electrical Circuits II	3	
	TCEL 234	Analog Electronics	3	
	TCEL 336	Digital Electronics	3	
	TCEL 384	Microprocessors I	3	
	TCEL 438	Microprocessors II	3	
	TCEL 405	Electro-Mechanical Control	3	
E.	**Electives**		**6**	**Sem Hrs**
Total Hours Required for Degree			**128**	**Sem Hrs**

* Students should take the following as part of the GE course requirements: GE 118, Precalculus; Math 157, Calculus and Analytical Geometry I, PHYS 181C/L University Physics I and Lab

CURRICULUM GUIDE FOR MAJORS IN AVIATION SCIENCE WITH A MINOR IN ELECTRONICS

FRESHMAN YEAR

FIRST SEMESTER

COURSE AND NUMBER			HRS
GE	118	Precalculus	3
GE		Physical Ed. Activity	1
GE	102	Comp. and Literature I	3
GE	140	World Civilization I	3
TCEL	131	Electrical Circuits	3
AVI	110	Intro to Aeronautics	3
GE	122	Freshman Seminar	1
			17

SECOND SEMESTER

COURSE AND NUMBER			HRS
MATH	157	Calculus/Analytic Geometry I	3
AVI	220	Air Transportation	3
GE	103	Comp. and Literature	3
GE	130	Art Appreciation	2
TCEL	132	Electrical Circuits II	3
GE	141	World Civilization II	3
			17

SOPHOMORE YEAR

GE	201	World Literature I	3
PHYS	181C/L	Univ Physics I/Lab	4
AVI	230	Aviation Management	3
GE		Physical Ed. Activity	1
TCEL	243	Analog Electronics	3
GE	135	Intro. To Music Literature	2
			16

GE	202	World Literature II	3
PHYS	182C/L	Univ Physics II/Lab	4
AVI	232	Aviation Safety	3
GE	185	Health Concepts	2
TCEL	216	PC Support Technology	3
TECH	105	Technical Graphics	3
			18

JUNIOR YEAR

AVI	315	Aviation Legislation	3
GEOG	201	World Geography	3
TCEL	336	Digital Electronics	3
PSY	212	General Psychology	3
CSC	115	Computer Science I	3
			15

AVI	314/L	Aviation Meteorology/Lab	4
AVI	320	Junior Aviation Seminar	1
ACCT	211	Prin. of Accounting I	3
TCEL	384	Microprocessors I	3
		Elective	3
			14

SENIOR YEAR

AVI	413/L	Air Traffic Control/Lab	4
AVI	410/L	Aerodynamics/Lab	4
TCEL	444	Data & Network Comm	3
TCEL	438	Microprocessors II	3
AVI	460	Internship	3
			17

AVI	416	National Airspace System	3
AVI	465	Aviation Capstone	2
TCEL	405	Electromechanical Control	3
SPCH	314	Public Speaking	3
		Elective	3
			14

Minor: Aviation Science

Select 19 semester hours from the following ensuring prerequisites are met.

AVI	110	Introduction to Aeronautics	3
AVI	220	Air Transportation	3
AVI	230	Aviation Management	3
AVI	232	Aviation Safety	3
AVI	314/314L	Aviation Meteorology/Lab	4
AVI	315	Aviation Legislation	3
AVI	413/413L	Air Traffic Control/Lab	4
AVI	416	National Airspace System	3
AVI	410/410L	Aerodynamic & Aircraft Performance/Lab	4

Total Hours Required for Minor ..... 19 Sem Hrs

AVIATION SCIENCE

AVI 110: INTRODUCTION TO AERONAUTICS (3) (F;S)
(Replacement for former AVI 210) A basic level study of aviation history, principles of flight, flight environment, aircraft systems and performance, weather and interpretation, navigation, radio navigation systems, flight planning and careers in aviation and aerospace.

AVI 220: AIR TRANSPORTATION (3) (S)
Survey of the U.S. air transportation system including: detailed aspects of the industry's importance to U.S. economy; the industry's Components and dynamics; historical developments and growth; the impact of regulations and legislation; business and commercial operations; airline and general aviation economics; social impact of aviation; characteristics of Federal Aviation Administration and National Transportation Safety Board.

AVI 230: AVIATION MANAGEMENT (3) (F)
(Replacement for former AVI 310) An introduction to management and operations in the aviation service industry. The various aspects and issues of small airports, fixed base operators, and general aviation are covered with a focus on current practices and procedures.

AVI 232: AVIATION SAFETY (3) (S)
(Replacement for former AVI 312) Fundamentals of safe flight operations including psychology of safety, ego vs. safety, prevention concepts and methods, accident investigations, procedures for aircraft handling and fueling; weather minimums; flight instrumentation requirements and limitations; weight and balance; pilot/controller authority and responsibilities; and air crew requirements. FAA/National Safety Board aircraft accident investigation reports will be used to develop the analytical skills, and the development of successful accident prevention plans. Prerequisite: AVI 110 or Consent of Program Director.

AVI 314: AVIATION METEOROLOGY (3) (S)
Study of weather and meteorological phenomena as they affect aircraft operations, air traffic control, and flight safety. Subjects covered include: the atmosphere and atmospheric pressure; altimetry; wind; humidity, cloud formation and precipitation; stable and unstable atmospheric conditions; cloud formation and precipitation; clouds, air masses, and fronts, turbulence; icing; thunderstorms and related flight hazards; and wind shear.

AVI 314L: AVIATION METEOROLOGY LABORATORY (1) (S)
Laboratory periods will be used researching and reviewing practical concepts and theories associated with the courses using various methods including the AVI Weather Station. Experiments are designed to reinforce the concepts covered in AVI 314. This course must be taken along with AVI 314. Laboratory, two hours.

AVI 315: AVIATION LEGISLATION (3) (F)
A layman's introduction to the laws and regulations as they pertain to aviation. Subjects studied include: philosophy of law; origin of law; constitutional law; common law; criminal law; aircraft ownership, airmen's regulations, airline regulations; fixed based operators; airport regulations, manufacturing responsibilities; accident and insurance liabilities.

AVI 320: JUNIOR AVIATION SEMINAR (1) (S)
Survey of the lower level aviation courses. Designed to introduce the student to the field of aviation and aerospace topics. These topics will include graduation requirements (balance sheet) and GRE preparation. Another emphasis of this seminar is internship preparation.

AVI 410: AERODYNAMICS & AIRCRAFT PERFORMANCE (3) (F)
The bask theories of flight, including airfoil design, drag, lift, thrust, weight, velocity, stability and controlled are covered. More sophisticated topics include principles of performance, capabilities and limitations, weight and balance, comparative analysis of various designs and FAA certification requirements. Prerequisite: AVI 110, AVI 232 or Consent of Program Director.

AVI 410L: AERODYNAMICS & AIRCRAFT PERFORMANCE LABORATORY (1) (F)
Laboratory periods will be used researching and reviewing practical concepts and theories associated with the courses using various methods including Flight Simulation and wind tunnel. Experiments are designed to reinforce the concepts covered in AVI 410; This course must be taken along with AVI 410. Laboratory, two hours.

AVI 413: AIR TRAFFIC CONTROL (3) (F)
Basic principles of air traffic control including airspace structure and procedures; rules and regulations for control of aircraft under both visual and instrument flight conditions; manual and radar separation stan-

dards; pilot/controller responsibilities and authority; special military operations; communication requirements; emergency authority and operations; terminology and phraseology for pilot/controller communications; manual and computer methodologies for speed/time/distance flight plan processing, and terminal and enroute control functions. Prerequisite; AVI 110 or consent of Program Director.

AVI 413L: AIR TRAFFIC CONTROL LABORATORY (1)(F)

Laboratory periods will be used researching and reviewing practical concepts and theories associated with the courses using various methods including Air Traffic Control Simulation, Experiments are designed to reinforce the concepts covered in AVI 413; This course must be taken along with AVI 413. Laboratory, two hours.

AVI 416: NATIONAL AIRSPACE SYSTEM (3) (S)

A study in the perspective of the nation's plan to enhance, modernize and expand the National Airspace System. With the use of our new air traffic control simulation system, we can easily addresses new developments in electronic navigation, communications capabilities, control concepts, and high-tech personnel requirements. Problems and resolutions concerning implementation of the new system; airspace allocations; safety considerations economic impact; and social and political implications will be researched. Prerequisite: AVI 413.

AVI 460: INTERNSHIP (3-6) (F, SS)

An academic internship is an opportunity for students to apply classroom knowledge to real world situations. Academic internships broaden student's horizons and provided needed experience. Internships are usually unpaid or paid, project oriented work experiences that may receive academic credit. Evaluations will based on written reports provided the student, the employer and the University supervisor. Prerequisite: Consent by the Program Director.

AVI 465: AVIATION CAPSTONE (Senior Project) (2) (S)

The Capstone course integrates, extends and applies knowledge learned in earlier aviation courses and readings. This course is designed for senior-level students with emphasis in project and special aviation topics supported with faculty and cooperation of governmental and aerospace industry partnerships. This course will culminate with senior projects and presentations. Prerequisite: Senior status or consent of instructor.

COMPUTER AND ELECTRONICS TECHNOLOGY

TCEL 131: Electrical Circuits I (3) (F) (Replacement for former ELEC 131)

This course will introduce students to fundamentals of direct electricity with emphasis on direct current circuit analysis. Topics include principles of electricity, electricity safety, direct current components, circuit fundamentals and analysis, theorems and conversions complex analysis techniques and an introduction to magnetism. Computer-base circuit modeling and circuit drawing are covered. Prerequisite: GE 115 College Algebra.

TCEL 132: Electrical Circuits II (3) (S) (Replacement for former ELEC 232)

Students will be introduced to AC circuits and reactance and impedance components connected in series & parallel and complex circuits. Transformers, filters, resonant circuits, computer-base circuit modeling and circuit drawing are studied in this course. Prerequisite: TCEL 131.

TCEL 234: Analog Electronics (3) (F) (Replacement for former ELEC 334)

This course will introduce semiconductors, amplifiers, and basic analog electronics characteristics and applications in Industries. Topics include diodes, BJT, FET, and thyristors, operational amplifiers, oscillators, modulators, transducers, optoelectronics and their major applications. Computer-based circuit drawing and modeling are used. Students are expected to have a working knowledge of circuit analysis to enter this course. Prerequisite: TCEL 132.

TCEL 336: Digital Electronics (3) (F) (Replacement for former ELEC 336 and ELEC 339)

This course will introduce students to digital electronic circuit concepts and applications. Contents include basic number systems and conversions, combinational and sequential circuit elements and applications. Logic family, integrated circuit specifications, Boolean algebra, ALU, counters, registers and digital circuit design, computer-based digital circuit modeling and circuit drawing are covered. Prerequisite: TCEL 132.

TCEL 384: Microprocessors I (3) (S) (Formerly ELEC 434)
This course covers basic microprocessor based core hardware and machine software. Topics include CPU architecture, machine language and basic assembly language, CPU and bus timing, port and memory interfaces, polling and interrupt control and ROM and PLD programming. Prerequisite: TCEL 336.

TCEL 405: Electromechanical Control (3) (S) (Replacement for former ELEC 405)
Study of integrated electrical, electronics, mechanical, logical systems and Programmable Logic Controllers (PLC) applied to industrial control of machinery and various industrial processes. Prerequisite: TCEL 234.

TCEL 438: Microprocessors II (3) (F) (Replacement for former ELEC 438)
This course continues the Microprocessors course content to cover complete microprocessor based controller and data processing computer systems and the associated peripheral devices and control software. Topics include I/O port operation and programming, basic transducer and actuator interfaces, basic system installation, configuration and troubleshooting. Prerequisite: TCEL 384.

COMPUTER NETWORK TECHNOLOGY

TCPU 216: PC Support Technology (3) (S)
This course covers basic personal computer system support including installation, configuration, and preventive maintenance, troubleshooting and upgrading of hardware and software components. Topics include safety practices, configuration and documentation, use of diagnostic and recovery software, peripheral installation and testing, operating system and application software installation and support. Students taking this course are expected to know how to operate a PC computer. Prerequisite: TECH 103 or CSC 160.

TCPU 310: Operating Systems for Technology (3) (F)
This course covers operating system concepts and procedures necessary for installing and supporting computer systems. Topics include DOS, WINDOWS, NT/2000, and UNIX user commands, file management, basic scripting, system support and security issues. Prerequisite: TECH 103 or CSC 160.

TCPU 444: Data and Network Communications (3) (F)
This course covers data communications and network transmission systems. Topics include communication system concepts and specifications, network topology, local and wide area networking, OSI network model, basic network protocols such as TCP/IP and IPX and physical transports such as Ethernet, fiber and wireless. Prerequisite: TCEL 336 or TCPU 216.

TCPU 460:Network Management (3) (S)
This course covers network management, security, and server issues. Topics include server types, encryption, authentication, remote monitoring, viruses, and disaster recovery. Upon completion, students should be able to perform basic monitoring and management of various types of servers and networks. Prerequisite: TCPU 444 and TCPU 310.

TECHNOLOGY

TECH 103: Principles of Technology (3) (F)
A comprehensive introduction to technology, management, computer literacy, mathematics, science and application of computer in preparing documents, solving problems and plotting curves.

TECH 105: Technical Graphics (3) (S)
Students will be introduced to principal of drawing, including sketching, graphing, orthographics projection, section views, pictorial views and introduction to principal of Computer Aided Drafting (CAD) and using CAD to produce professional quality drawings.

TECH 220: Computer-Aided Drafting and Solid Modeling (3) (F)
A comprehensive study of CAD systems components, 3-D modeling techniques, surface modeling, parametric solid modeling, multi-part drawing, and assembly drawing. Prerequisite: TECH 105.

TECH 354: Motion and Time Study (3) (F)
Study of work measurement. Emphasis on analysis and measurement of human time, machine time, and various methods of performing tasks.

TECH 401: Industrial Plant Management (3) (F)
Designed to acquaint students with the spectrum of industrial management. Content includes organization, economics, optimum use of capital, and management of operations.

TECH 457: Quality Assurance (3) (S)
Study of quality control and its applications. Content includes: economics and specification of quality, organization, acceptance, assurance, statistical control methods, and policies and objectives. Prerequisite: STAT 251.

TECH 462: Research in Industrial Technology (3) (F;S;SS)
Students assigned to areas of interest for the purpose of investigation, problem-solving, and increasing competency. Faculty members who possess knowledge and skill in the student's area of interest assign laboratory time and hold regular conferences with students for purposes of counsel, demonstration, and evaluation. Prerequisite: Junior status.

TECH 465: Cooperative Training in Industry (3-6) (F;S;SS)
Designed to provide employment experiences in field of Industrial Technology specialization at appropriate intervals in the curriculum. Prerequisite: Consent of the Department Chairperson.

TECH 499: Industrial Technology Senior Project (3) (S)
Study arranged on industrial technology topics of interest to student. A faculty member will serve as project advisor. Topics may include analytical and/or experimental work and encourages independent study. Prerequisite: Collaboration with representatives of industry, governmental agencies, or community institutions is encouraged.

MECHANICAL TECHNOLOGY

TMEC 218: Applied Statics (3) (S) (Formerly MECT 218)
Scalars and vectors, parallelogram law, equilibrium, trusses, friction theory, center of gravity and moment of inertia, and Newton's law of motion applied to linear and circular motion. Prerequisites: MATH 153; PHYS 181.

TMEC 230: Material Science (3) (F)
Emphasriis on relationship between structure and properties of industrial materials and their control through composition, mechanical processing, and thermal treatment.

TMEC 305: Fluids Technology (3) (S) (Formerly MECP 309)
Study of fluids and their characteristics in static and dynamic conditions. Also, the application of fluid power systems and their adaptation to specific industrial problems of manufacture and consumer equipment will be covered. Prerequisite: PHYS 182.

TMEC 310: Mechanical Systems (3) (F) (Formerly MECT 310)
Principles and applications of mechanical systems. Content includes: kinematics-rectilinear motion, kinematics-angular motion, plane motion, kinetics, work, energy and power, impulse and momentum, applications to shafting, springs, screws, belts, clutches, brakes, chains, lubrication, ball and roller bearings, and gears. Prerequisites: TMEC 218; TECH 105.

TMEC 311: Fluids Mechanics (3) (S) (Formerly MECT 311)
Principles of static and dynamic behavior of incompressible fluids, buoyancy and stability of body fluids, momentum and energy considerations in fluid flow, and an introduction to compressible gas dynamics. Prerequisite: TMEC 218.

TMEC 404: Strength of Materials (3) (F) (Formerly MECT 404)
The study of stress and strain, torsion, shear, bending moment and stresses in beams, beam deflexions by superposition principles, combined loading, elastic stability of slender columns. Prerequisite: TMEC 218.

TMEC 410: Metallurgy (3) (F) (Formerly MECT 410)
A study of the physical properties of metals and alloys; ferrous and nonferrous metal production; atomic structure, measurement of metal properties, metal solutions and phases, carbon and iron alloys; heat treatment. Prerequisite: CHEM 101/L, TMEC 230.

TMEC 411: Thermal Systems (3) (S) (Formerly MECT 411)
Principles and applications of thermo-properties of solids, liquids and gases. Content includes: basic concepts, first and second law thermodynamics properties of liquids and gases, ideal gas, mixture of ideal gases, power cycles, refrigeration, and heat transfer. Prerequisites: PHYS 182/L, MATH 153.

TMEC 416: Heating, Ventilation and Air Conditioning (HVAC) (3) (F) (Formerly MECP 416)
Principles of heating, ventilation, and air conditioning and their applications to environmental comforting. Determination of building heating and cooling loads, heat pumps, humidity control, cooling ventilation, integrated systems, controls and instrumentation. Prerequisite: TMEC 411.

TMEC 418: Machine Design (3) (S) (Formerly MECT 418)

A study and practice of the design criteria of mechanical systems and devices. Content includes: design criteria of fasteners, spring drives, power transmission, bearings, a study of machine tolerances and vibrations. Prerequisites: TECH 220, TMEC 404.

MANUFACTURING TECHNOLOGY

TMFG 358: Production Technology I (3) (F) (Formerly MFG 358)

Study of how things are made under restraints of cost, time, and specification. Content includes: nature of production, production processes, significance of material for manufacturing, function of tooling, and principles of production machines.

TMFG 400: Plant Layout and Materials Handling (3) (S) (Formerly MFG 407)

Study of plant layout to obtain the most effective utilization of space for materials and machines. Introduction to techniques of transporting, transferring, self-loading, and bulk-handling of industrial materials. Prerequisite: TECH 220.

TMFG 403: Production Technology II (3) (S) (Formerly MFG 403)

Study of advanced machine tool operation with emphasis on numerical CAM control, metallurgy, metrology, and chemical milling. Prerequisite: TMFG 358.

TMFG 407: Industrial Robotics (3) (F) (Formerly MFG 411)

Study of robotics used in industry to perform industrial functions. Content includes: classification, end-of-arm tooling, controller operations, robotics electronics, programming, safety, and human interface-operation training. Prerequisite: TCEL 405.

TMFG 409: Computer-Aided Manufacturing (3) (F) (Formerly MFG 409)

Theory and practice of programming computers to operate equipment for manufacturing. Content includes: CNC Programming, G Codes, planning, justification, equipment selection, and operating guidelines. Prerequisites: TECH 220, TMFG 358.

TMFG 410: Cost Estimation (3) (S) (Formerly MFG 410)

The study of the philosophy, concepts, and practices of determining the cost of manufactured products and engineering projects. Content includes: engineering design and modeling, structural approach, forecasting, detail methods, product estimation, system estimation, and optimization. Prerequisites: TMFG 358.

ELIZABETH CITY STATE UNIVERSITY
BOARD OF TRUSTEES
March 3, 2004
Elizabeth City State University Foundation $25,700
Twenty-five Thousand Seven Hundred and 00/100 Dollars
Establishment of Trustee Emerita Fund
Walter Davenport
Chair

University Support Services & Groups

Division of Institutional Advancement

- ALUMNI RELATIONS
- THE ANNUAL FUND
- CORPORATE AND FOUNDATION RELATIONS
- MAJOR AND PLANNED GIFTS
- ECSU FOUNDATION, INC.

Office of University Relations & Marketing

DIVISION OF *Institutional Advancement*

The Division of Institutional Advancement is responsible for managing the planned promotion of understanding, participation, and support of Elizabeth City State University. This includes three distinct but interdependent activities: planning, constituency relations, and fund raising. This involves the managing of all activities that develop private financial support for foundations, churches, and all other private constituency groups. The Division is headed by a vice chancellor and consists of four chief components: Alumni Relations, Annual Fund, Major and Planned Gifts, and the Elizabeth City State University Foundation.

The focus of Institutional Advancement is to assist Elizabeth City State University in its plans for program growth and implementation through the development and management of a comprehensive plan for private support. These fund raising programs seek support from Alumni, Churches, Corporations, ECSU Employees, ECSU Foundation Board Members, Foundations, Individuals, Students, and all organizations that are exclusive of otherwise defined categories.

ALUMNI RELATIONS

The Office of Alumni Relations is a component of the Division of Institutional Advancement. Under the Vice Chancellor for Institutional Advancement, office functions include involving alumni and distinctive alumni groups in the University and its programs with a view toward increasing their financial support; the growth and development of alumni chapters; updating and maintaining a list of ECSU graduates; producing alumni publications; and serving as the liaison between the University and the National Alumni Association.

THE ANNUAL FUND

The Office of the Annual Fund is a component of the Division of Institutional Advancement. Under the Vice Chancellor for Institutional Advancement, office functions include building a donor base that can be cultivated and developed to support all fund raising efforts; developing and motivating donors who will, on an annual basis, provide gifts to support ECSU; creating awareness and acceptance among a defined constituency; developing an understanding volunteer organization; identifying and cultivating major gift prospects for capital campaigns and planned gifts; and validating the mission of ECSU on an ongoing basis.

MAJOR AND PLANNED GIFTS

The Office of Major and Planned Gifts is a component of the Division of Institutional Advancement. Under the Vice Chancellor for Institutional Advancement, this office is responsible for managing the process of identifying, cultivating, and soliciting commitments to ECSU of $50,000 or more and for instituting and managing a comprehensive planned giving program. Office functions include increasing the number and dollar amount of major gifts received each year; helping to link major donor prospects to specific programs; assisting in the development and solicitation of lead and major gift prospects for major multi-year, multi-million dollar campaigns; adding to the number of planned giving arrangements that ECSU has with individuals and alumni each year; prepare and regularly updating planned giving materials; and providing support and direction for the planned giving committee.

ECSU FOUNDATION, INC.

The Elizabeth City State University Foundation was chartered on February 2, 1971, by the state of North Carolina as a non-profit organization exclusively responsible for receiving, managing, administering, investing, holding, and disbursing contributions, grants, bequests, and property for the university's programs, students, faculty, staff, and facilities.

The ECSU Foundation, while a distinct entity, was formed specifically to guarantee the existence of greater educational opportunities at the university. Today's ECSU Foundation is responsible for increased solicitation of new gifts and targeted giving by board members. It is also responsible for involving more members of the 21 county ECSU service area in the University through ECSU Board membership, through financial commitments to the foundation, and through participation in the Clifton Davis Celebrity Golf Classic and other distinct community outreach programs.

OFFICE OF
University Relations and Marketing

University Relations and Marketing is a unit within the Office of the Chancellor. In addition to its overall goal of marketing the university to outside constituencies, this office also assists in the development of brochures; writes, edits, and publishes a semi-annual magazine; writes and edits news releases; assists with content management on the ECSU World Wide Web homepage; provides photographic services; maintains photo and news clippings files; handles all requests from the media and community relating to university programs and activities; and actively seeks to enhance the university's image and strengthen relationships with all constituencies.

University administration

The University of North Carolina

- BOARD OF GOVERNORS
- OFFICERS

Elizabeth City State University

- BOARD OF TRUSTEES & TRUSTEES EMERITI
- PRESIDENTS & CHANCELLORS
- OFFICERS
- ACADEMIC DEPARTMENT & DIVISION CHAIRPERSONS
- ACADEMIC PROGRAM & PROJECT DIRECTORS
- THE FACULTY
- PROFESSORS EMERITI

BOARD OF GOVERNORS

J. Bradley Wilson (Chairman)
G. Irvin Aldridge (Vice Chairman)
Patsy B. Perry (Secretary)

CLASS OF 2005

Bradley T. Adcock
James G. Babb
Anne W. Cates
John F.A.V. Cecil
Bert Collins
Ray S. Farris
Dudley E. Flood
Hannah D. Gage
Willie J. Gilchrist
H. Frank Grainger
Charles H. Mercer, Jr.
Jim W. Phillips, Jr.
J. Craig Souza
Robert F. Warwick

CLASS OF 2007

Brent D. Barringer
J. Addison Bell
R. Steve Bowden
F. Edward Broadwell, Jr.
William L. Bruns, Jr.
John W. Davis III
Peter D. Hans
Peter Keber
Adelaide Daniels Key
Leroy Lail
Charles S. Norwood
Cary C. Owen
Gladys Ashe Robinson
Estelle "Bunny" Sanders
Priscilla P. Taylor

EMERITUS MEMBERS

James E. Holshouser, Jr.
C. Clifford Cameron
Benjamin S. Ruffin

EX-OFFICIO MEMBER

Jonathan L. Ducote

OFFICERS

Molly Corbett Broad, BA, MA ..... *President*

Bart Corgnati, BS, MS ..... *Interim Secretary of the University*

Gretchen M. Bataille, BA, MA, DA ..... *Senior Vice President for Academic Affairs*

Alan R. Mabe, BA, MA, Ph.D. ..... *Vice President for Academic Planning*

Jeff Davies, BS, MBA ..... *Vice President for Finance*

Robyn Render, AS, BS ..... *Vice President for Information Resources*

Leslie Winner, AB, JD ..... *Vice President and General Counsel*

J. B. Milliken, BA, JD ..... *Senior Vice President for University Affairs*

Russ Lea, BSF, Ph.D. ..... *Vice President for Research*

Richard Thompson, BA, MEd, EdD ..... *Vice President for University School Programs*

BOARD OF TRUSTEES

2003-2004

Walter C. Davenport, Chairman (2005) ..... Raleigh
Frederick L. Yates, Vice Chairman (2005) ..... Winfall
Henry B. Pickett, Jr., Secretary (2005) ..... Raleigh
Earl M. Brown (2005) ..... Richmond, VA
Earl T. Brown (2005) ..... Greenville
Harriett L. Hornthal (2007) ..... Elizabeth City
H. Kel Landis III (2005) ..... Rocky Mount
Norman L. Mebane, Jr. (2007) ..... Windsor
Harold E. Mitchell (2007) ..... Ahoskie
Regina W. Peele (2007) ..... Windsor
Frank H. Skidmore, Jr. (2005) ..... Durham
Calvin R. Worsley (2005) ..... Greensboro

Ex Officio Member, Student Government Association President
Don Morring, Jr. (2004-05)

Trustees Emeriti		**Year Conferred**
Betty Barr-Randolph		2003
Isaac Andeaux Battle* '53		1997
John Calvin Bias* '26		1986
Levin Butler Culpepper	Chairman	1989
J. Wilbert Forbes		1986
Leroy Benjamin Frasier*	Chairman	1986
Stanley Green, Jr.	Chairman	1999
Clifford Bell Jones, Sr.*	Vice Chairman	1986
Frederick Pendleton Markham, III		1986
Betty Sugg Meggs	Secretary	2003
John Stuart Morrison, Esq.	Vice Chairman	1996
Charles W. Penny	Chairman	2003
Edna Gray Randolph '45	Secretary	1996
William Douglas Rich		1993
Willie Daniel Riddick '71	Vice Chairman	1989
James Samuel Roebuck		1986
Kermit Earle White*	Chairman	1996
Elmer Vanray Wilkins*	Chairman	1996
Andrew Healon Williams		1997
Martin Luther Wilson* '26 '28		1986

*Deceased

PRESIDENTS & CHANCELLORS

Peter Wedderick Moore (1859–1934), AM, LLD, 1891–1928
(President Emeritus, 1928–1934)

John Henry Bias (1879–1939), AB, LLD, 1928–1939

Harold Leonard Trigg (1893–1978), EdD, 1939–1945

Sidney David Williams (1892–1974), AM, DPed, 1946–1958
(President Emeritus, 1969–1974)

Walter Nathaniel Ridley (1910–1996), EdD, 1958–1968
(President Emeritus, 1988)

Marion Dennis Thorpe (1932–1983), Ph.D., LLD, 1968–1983

Jimmy Raymond Jenkins '65 (1943–), Ph.D., 1983–1995
(Chancellor Emeritus, 1995–)

Mickey Lynn Burnim (1949–), PhD, 1995–

OFFICERS
July 2004

Mickey L. Burnim, BA, MA, PhD* ..... **Chancellor**

Jeanette H. Evans ..... *Executive Assistant to the Chancellor*
BS, Elizabeth City State University; MS, EdD, Morgan State University

John N. Smith ..... *Chief Information Officer*
BS, North Carolina Central University

Bernetta H. Brown ..... *Attorney, Legal Assistant to the Chancellor*
BA, North Carolina State University; JD, North Carolina Central University School of Law

Edward McLean, BS, MS, EdD* ..... *Director, Athletics*

Marsha R. McLean ..... *Director, University Relations and Marketing*
BA, San Jose State University; MA, Norfolk State University

Jean M. Sims ..... *Director, Human Resources*
BS, Elizabeth City State University; MS, Troy State University

Pattie Smith ..... *Internal Auditor*
BS, North Carolina Central University

Carolyn R. Mahoney, BS, MS, PhD* ..... **Provost and Vice Chancellor for Academic Affairs**

Bonita T. Ewers, BA, MA, EdD* ..... *Associate Vice Chancellor for Academic Affairs- Academic Support*

Claudie J. Mackey, BS, MPA, Ph.D.* ..... *Associate Vice Chancellor for Academic Affairs- External Relations*

José S. Gil, S.T.B., MA, Ph.D.* ..... *Dean, School of Arts and Humanities*

Freda H. McBride, BS, MBA, Ph.D.* ..... *Dean, School of Business and Economics*

Eileen I. Oliver, BA, Ph.D.* ..... *Dean, School of Education and Psychology*

Ronald H. Blackmon, BS, MS, Ph.D.* ..... *Dean, School of Mathematics, Science and Technology*

Rebecca A. Ware, BS, MLS* ..... *Administrative Librarian*

Sherry B. Lewis, BS, MA* ..... *Chairperson, Department of General Studies*

Patricia J. Gibbs ..... *Director, Office of Sponsored Programs*
BA, Elizabeth City State University; MSW, Norfolk State University

Vincent L. Beamon ..... *University Registrar*
BS, Elizabeth City State University

Artie L. Travis ..... **Vice Chancellor for Student Affairs**
BA, MA, Western Illinois University; EdD, University of South Carolina

Anthony Brown ..... *Associate Vice Chancellor for Student Affairs*
BS, MS, MA, EdD, State University of New York College at Buffalo

Vacant ..... *Assistant Dean of Students*

Brutus N. Jackson ..... *Director of Career Services*
BS, Southern University and Agricultural & Mechanical College at Baton Rouge

Warren Basket ..... *Director of Housing and Residence Life*
BA, Campbell University; MA, Duke University

Bruce Boyd ..... *Assistant Director of Residence Life*
BS, Elizabeth City State University

Rona Norman ..... *Assistant Director of Residence Life*
BS, Elizabeth City State University

Regina McCoy ..... *Director of Student Health Services*
ADN, Norfolk State University; BSN, East Carolina University

*See The Faculty for additional information.

Elliott Robinson ..... **Vice Chancellor for Business and Finance**
BS, Tuskegee University

G. Scott Hale, CPA ..... *Controller*
BS, MBA, East Carolina University

Janice W. Baker ..... *Director of Budgets*
BBA, North Carolina Central University; MBA, Troy State University

Benjamin Hunter ..... *Director of Facilities Management*
BS, Shaw University

Ruth A. Williams ..... *Director of Procurement and Materials Management*
BS, Elizabeth City State University

Gregory Magee ..... *Director of Design and Construction*
BS, U.S. Coast Guard Academy; BSCE, MSCE, University of Illinois; Diploma, National War College

Vacant ..... **Vice Chancellor for Institutional Advancement and Executive Director of the ECSU Foundation**

Brian E. Gittens ..... *Director of Development*
BA, MPA, Virginia Tech

LaTanya Afolayan ..... *Director of Major and Planned Giving*
BS, Indiana State University; MA, University of Missouri-Columbia

Melanie Blackford ..... *Director of the Annual Fund*
BA, University of North Carolina at Chapel Hill

Carol Heyward ..... *Director of Alumni Relations*
BS, Elizabeth City State University

Gerald McCants ..... **Assistant to the Chancellor for Enrollment Management, Planning, Research, and Outreach**
BS, MA, Central Michigan University; PhD, Michigan State University

Grady Deese ..... *Director of Admissions and Recruitment*
BS, Livingstone College; MA, Columbia University

André Farley ..... *Director of Student Financial Aid and Scholarships*
BS, University of South Carolina

Nancy Y. Lee ..... *Director of Institutional Research and Assessment*
BA, National Taiwan University; MS, West Virginia University

Morris A. Autry ..... *Director of HUD/Community Development Program*
BA, North Carolina Central University; MUP, University of Michigan

Wauna Dooms ..... *Director of Small Business Technology Development Center*
BS, Norfolk State University

Vacant ..... *Archivist, University Archives*

Deans & Department Chairpersons

JULY 2004

DEPARTMENT OF GENERAL STUDIES	**Sherry B. Lewis, BS, MA - Chairperson**
DEPARTMENT OF MILITARY SCIENCE	**LTC Vince Ross, - Chairperson**
SCHOOL OF ARTS & HUMANITIES	**José S. Gil, Ph.D. - Dean**
Departments	
Art	Jenny McIntosh, Ph.D. - Chairperson
History & Political Science	Flora B. Brown, Ph.D. - Chairperson
Language, Literature & Communication	Emmanuel K. Ngwainmbi, Ph.D. - Chairperson
Music	Gloria J. Knight, EdD - Chairperson
Social Sciences	Wayman L. Parson, BA, JD - Chairperson
SCHOOL OF BUSINESS & ECONOMICS	**Freda H. McBride, Ph.D. - Dean**
Departments	
Accounting, Finance and Economics	Ebere A. Oriaku, Ph.D. - Chairperson
Management & Marketing	James S. Chow, Ph.D. - Chairperson
SCHOOL OF EDUCATION & PSYCHOLOGY	**Eileen I. Oliver, Ph.D. - Dean**
Departments	
Education	(Vacant)
Health & Physical Education	Thurlis J. Little, Jr., BS, MS - Interim Chairperson
Psychology	Delbert Garnes, Ph.D. - Chairperson
SCHOOL OF MATHEMATICS, SCIENCE & TECHNOLOGY	**Ronald H. Blackmon, Ph.D. - Dean**
Departments	
Biology	Gary L. Harmon, Ph.D. - Chairperson
Chemistry & Physics	Ephriam Gwebu, Ph.D. - Chairperson
Geological Environmental & Marine Science	Francisco C. San Juan, Jr., Ph.D. - Chairperson
Mathematics & Computer & Information Science	Georgia S. Lawrence, Ph.D. - Chairperson
Technology	Akbar Eslami, Ph.D. - Chairperson

Program & Project Directors

JULY 2004

Barclift, LoraAnn, *Coordinator, Academic Support Center*
BS, Elizabeth City State University; MAEd, East Carolina University

Baskerville, Maxine, *Director, Special Programs*
BS, Barber Scotia College; MA, North Carolina Central University

Blackmon, Velma B., *Director, Honors Program*
BA, Alcorn State University; MA, Bowling Green University; Ph.D., Howard University

Bradshaw, Scott D., *Director, Center for Research and Evaluation*
BS, MS, Old Dominion University; Ph.D., Virginia Commonwealth University

Cain, Beverly, *Director, University Laboratory School*
BA, University of Findlay; MEd, EdD, University of Massachusetts

Cole, Ralph, *Coordinator, Office of Public School Services*
BS, Elizabeth State University; MEd, East Carolina University

Dixon, John, *Director, Model Summer Student Teaching Project*
BA, Elizabeth City State University; MAEd, MS, East Carolina University; EdD, Virginia Polytechnic Institute & State University

Ewers, Bonita T., *Center for Teaching Excellence*
BA, Wilberforce University; MA, Antioch College; EdD, University of Massachusetts/Amherst

Vacant, *Coordinator of the Graduate Program for Education*

Gibbs, Patricia J., *Director, Sponsored Programs, Contracts and Grants*
BA, Elizabeth City State University; MSW, Norfolk State University

Harmon, Gary L., *Coordinator of the Graduate Program in Biology*
BS, Old Dominion University; MS, Hampton University; Ph.D., Howard University

Hedgebeth, Annie A., *Coordinator, Center for Special Needs Students*
BA, North Carolina Central University

Houston, Johnny L., *Director, African Studies*
BA, Morehouse College; MS, Clark Atlanta University; Ph.D., Purdue University

Joyner, Robin, *Coordinator, NC-MSEN (Mathematics & Science Education Network) Pre-College Program*
BS, Elizabeth City State University

Khan, Ali A., *Director, of Summer School*
BSc, MA, The University of Dhaka (Bangladesh); Ph.D., University of Grenoble (France)

Khan, Sultana A., *Director, University Planetarium*
BSc, MSc, The University of Dhaka (Bangladesh); Ph.D., University of Grenoble (France)

Lewis, Cheryl J., *Director, Educational Talent Search Program*
BA, Temple University; MA, Antioch University; EdD, Temple University

McLean, Edward, *Administrator, ECSU National Youth Sports Program (NYSP)*
BS, MA, North Carolina Central University; EdD, University of Tennessee at Knoxville

McLean, Wanda E., *Director, Basic Education and Enrichment Program*
BA, MEd, Wayne State University

Moore, Pamela C., *Coordinator/Counselor, Student Support Services*
BA, MA, North Carolina Central University

Mouring, Izila F., *Director, Health Careers Access Program*
BS, Elizabeth City State University

Ngwainmbi, Emmanuel K., *Director, International Programs*
BA, Yaounde University (Republic of Cameroon); MA, Jackson State University; PhD, Howard University

Rouson, Leon, *Director, Math and Science Education Network Pre-College Program*
BA, MS, North Carolina Central University; Ph.D., Old Dominion University

Stevenson, Kimberley N., Director, *Virtual College/Distance Education*
BA, Elizabeth City State University; MAEd, East Carolina University

Vacant, *Director, Continuing Education, Weekend/Evening, and Graduate Programs*

July 2004–2005

Reed Adams, *Professor, Criminal Justice*
BA, University of North Carolina; MA, University of Maryland; Ph.D., Florida State University

Ashraf U. Alam, *Professor, Biology*
BSc, MSc, The University of Dhaka (Bangladesh); Ph.D., Texas A & M University

Nwojo Agwu, *Assistant Professor, Mathematics*
BS, University Ife; MS, University of Lagos; Ph.D., Texas Tech at Lubbock

William W. Barker III, *Assistant Professor, Airway Science*
BS, Barton College; MAEd, East Carolina University; Captain (ret.), United States Coast Guard

Lynnette Barnes, *Assistant Professor, Criminal Justice*
BS, University of North Carolina-Chapel Hill; MS, California State University, Los Angeles

Ronald H. Blackmon, *Professor, Biology*
BS, Delaware State University; MS, Ph.D., Howard University

Velma B. Blackmon, *Professor, Communications*
BA, Alcorn State University; MA, Bowling Green University; Ph.D., Howard University

Kwabena Boansi, *Associate Professor, Political Science*
BA, University of Ghana (Ghana); MPA, Ph.D., University of Delaware

Glen Bowman, *Associate Professor, History*
BA, Cedarville College; MA, West Virginia University; Ph.D., University of Minnesota

Scott D. Bradshaw, *Assistant Professor*
BS, MS, Old Dominion University; Ph.D., Virginia Commonwealth University

Melody Brackett, *Visiting Assistant Professor, Social Work*
BS, Elizabeth City State University; MSW, Norfolk State University

Kip Branch, *Writer-in-Residence, Journalism*
BA, Morgan State University; MS, Indiana University; MS, Columbia University

Flora B. Brown, *Professor, History*
BA, Saint Augustine's College; MA, University of North Carolina at Greensboro; Ph.D., University of South Carolina

Mickey L. Burnim, *Professor, Economics*
BA, MA, North Texas State University; Ph.D., University of Wisconsin; Institute for Educational Management, Harvard University; Government Executives Institute, UNC-Chapel Hill

Charles D. Cherry, *Professor, Division of Education*
BS, Elizabeth City State University; CAS, Old Dominion University; EdD, Peabody College at Vanderbilt

James A. Chow, *Assistant Professor, Business Administration*
BS, MA, Ph.D., The University of Alabama

Margery Coulson-Clark, *Associate Professor, Political Science*
BS, Berea College; MPA, University of Kentucky; Ph.D., University of Kentucky

Vincent S. Corozine, *Artist-in-Residence*
BS, State University of New York at Potsdam; MA, PD (Professional Diploma), Columbia University

Carlton R. Deonanan, *Professor, English*
BA, MA, EdD, Utah State University

Venus E. Deonanan, *Professor, Spanish Education*
BA, Utah State University; MA, Southern Illinois University; Ph.D., Union Graduate School

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Christopher I. Egbunike, *Assistant Professor, Physical Education*
BS, University of Timisoara (Romania); MS, Institute of Physical Education and Sport (Romania); Ph.D., Ahmadu Bello University (Nigeria); Certificate in Track & Field Coach, The Athletics Congress of the USA

Akbar Eslami, *Assistant Professor, Technology*
BS, National University (Iran); MS, Ph.D., Old Dominion University

Ellard L. Forrester, *Artist-in-Residence, Music*
BS, Alabama A & M University; MM, Eastern Illinois University

Henry Foskey, Jr., *Professor, Technology*
BS, MS, North Carolina Agricultural & Technical State University; EdD, Temple University; Certified Engineering Technologist, Engineering Technologist Certification Institute (DC)

José S. Gil, *Professor, Foreign Languages*
BA, Pablo Montesinos Teacher's College; MA, Ph.D., The Catholic University of America

Glenda M. Griffin, *Professor, English*
BA, MA, North Carolina Central University; Ph.D., Howard University

Md. Hanif Hafiz, *Associate Professor, Business*
BA, BEd, MA, The University of the Punjab (India); MSEd, EdS, Indiana University; MBA, Old Dominion University; CPA (North Carolina)

Gary L. Harmon, *Associate Professor, Biology*
BS, Old Dominion University; MS, Hampton University; Ph.D., Howard University

Thomas Harrison, *Assistant Professor, Music Industry Studies*
BM, University of Denver; MM, California State University

Linda B. Hayden, *Professor, Mathematics/Computer Science*
BS, Virginia State University; MAT, University of Cincinnati; Ph.D., The American University

Billy C. Hines, *Artist-in-Residence, Music*
AB, Stillman College; MA, MEd, Teachers College of Columbia University; Arts Management Certificate, School of Business, University of North Carolina at Chapel Hill

Amelia Harris-Horne, *Assistant Professor, Music*
BM, Butler University; MM, Bowling Green State University

Johnny L. Houston, *Senior Research Professor, Computer Science/Mathematics*
BA, Morehouse College; MS, Clark Atlanta University; Ph.D., Purdue University

Gale J. Isaacs, *Professor, Speech Pathology*
BA, University of Maryland; MEd, North Carolina Central University; Ph.D., University of North Carolina

George S. Jackson, *Professor, Business and Economics*
BS, East Carolina University; MBA, College of William & Mary; JD, University of North Carolina at Chapel Hill; LLM, Georgetown University Law Center

Barbara L. Johnson, *Professor, Education*
BS, Norfolk State University; MS, Old Dominion University; CAGS, EdD, Virginia Polytechnic Institute & State University

Alexis R. Joyner, *Professor, Art*
BS, Virginia State University; MFA, Old Dominion University

A. Ather Khan, *Professor, Chemistry*
B Pharm, M Pharm, The University of Dhaka (Bangladesh); D Pharm, University of Grenoble (France)

Sekender A. Khan, *Professor, Biology*
BSc, MSc, The University of Dhaka (Bangladesh); Ph.D., Louisiana State University; Fellow, Texas Academy of Science

Sultana A. Khan, *Professor, Physics*
BSc, MSc, The University of Dhaka (Bangladesh); Ph.D., University of Grenoble (France)

Gloria J. Knight, *Professor, Music*
BM, University of North Carolina at Greensboro; MEd, Virginia State University; EdD, Pennsylvania State University

Edmond B. Koker, *Professor, Chemistry*
BS, PhD, Howard University

Krishna H. Kulkarni, *Associate Professor, Mathematics*
BS, Karnatak University; MS, University of Alabama at Birmingham; PhD, Karnatak University

Ellis E. Lawrence, *Professor, Technology*
BS, MS, North Carolina Agricultural & Technical State University; EdD, Virginia Polytechnic Institute & State University; AAS, College of The Albemarle

Georgia S. Lawrence, *Professor, Mathematics*
BA, MEd, University of North Carolina at Greensboro; Ph.D., North Carolina State University at Raleigh

Maurice LeFlore, *Artist-in-Residence; Music*
BS, Florida A & M University; MM, Florida State University

Bobby J. Lewis, *Professor, Biology*
BS, Southern University and Agricultural & Mechanical College at Baton Rouge; MS, North Carolina Central University; MS, Ph.D., University of Illinois at Urbana-Champaign

Joseph Lisowski, *Associate Professor, English*
BA, MA, Duquesne University; Ph.D., State University of New York - Binghamton

Thurlis J. Little, Jr., *Lecturer, Physical Education*
BS, Elizabeth City State University; MS, Hampton University

John W. Luton, *Associate Professor, Communications*
BA, Baltimore Hebrew University; MA, St. Mary's Seminary/University; Ph.D., Regent University

Jamiiru Luttamaguzzi, *Assistant Professor, Mathematics*
BS, Makerere University; MS, King Fahd University; MS, Ph.D., Louisana State University

Claudie J. Mackey, *Professor, Education*
BS, Elizabeth City State University; MSEd, Hofstra University; Ph.D., Virginia Polytechnic Institute & State University

Suzanne H. MacMorris, *Associate Professor, Social Work*
BS in Lib Arts, University of Tennessee, Knoxville; MSW, Tulane University; Ph.D., Virginia Commonwealth University

Carolyn Mahoney, *Professor, Mathematics*
BS, Siena College; MS, PhD, The Ohio State University

Vinod P. Manglik, *Associate Professor, Mathematics*
BSc, MS, Lucknow University (India); Ph.D., University of North Carolina at Chapel Hill; Certificate, Professional Statistician, Institute of Agricultural Research Statistics (New Delhi)

Stephen S. March, *Professor, English*
AB, University of North Carolina at Chapel Hill; MFA, University of North Carolina at Greensboro

Freda H. McBride, *Professor, Accounting*
BS, East Carolina University; MBA, Campbell University; Ph.D., Virginia Tech

James E. McClenon, *Professor, Sociology*
BS, Virginia Polytechnic Institute & State University; MA, Ph.D., University of Maryland College Park

Jenny C. McIntosh, *Professor, Art*
BS, MS, Radford University; Ph.D., Florida State University

Edward McLean, *Lecturer, Physical Education*
BS, MS, North Carolina Central University; EdD, University of Tennessee at Knoxville

Samuel C. Moore, *Professor, English*
BA, Shaw University; MAT, Northwestern University; EdD, Oklahoma State University

Emmanuel Ngwainmbi, *Professor, Communications*
BA, Yaounde University (Republic of Cameroon); MA, Jackson State University; Ph.D., Howard University

Brenda Norman, *Assistant Professor, Social Work*
BSW, MSW, Norfolk State University

Kingsley N. Nwala, *Assistant Professor, Business and Economics*
BBA, University of the District of Columbia; MBA, University of the District of Columbia; Ph.D., Howard University

Alex I. Ogwu, *Assistant Professor, Business and Economics*
BS, Grambling State University; MA, Prairie View A&M University; Ph.D., Howard University

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Professors		Year Conferred
Mollie Majette Beasley	Physical Education	1995
Thaddeus Vernon Beasley	Biology	1995
Helen Marshall Caldwell	English	1998
Thomas Lee Caldwell*	Physical Education	1992
Edna Louise Davis	Music	1986
Vincent John de Gregorio*	Art	1986
William Rankin Gibson	Industrial Arts	1991
Anne Marie Henderson*	English	1994
Dale Edward Henderson Sr. '72*	Social Sciences	1994
Julia Moore Hoffler*	English	1978
Floyd Bernard Holley*	Sociology	1994
Evelyn Adelaide Johnson*	Music	1976
Carol Calloway Jones	English	2004
Clara Griffin Jones '36 '40	Education	1986
Helen Hemmingway Muldrow	Biology	1986
William Julius Muldrow*	Psychology	1983
Bishop Marvin Patterson	Technology Education	1992
Dan Mitchell Pearce	Art	2001
Bernard Lee Peterson, Jr.*	English and Drama	1988
Maurice Cary Powers	Geology	1991
Andrew Lee Roberts*	Education	1995
Floyd L. Robinson	Music	2001
Georgia Long Smith	Health	1987
Hazel Gallop Spellman '41	Reading	1994
Lawrence Edwin Sugg*	English and Journalism	1986
Louise Nixon Sutton	Mathematics	1987
Dorothy Elliott Thomas	Biology	1986
James Hubert Townes*	Chemistry	1994
Curtis Delano Turnage '67*	Biology	1995
Rochelle Vann '47	Social Sciences	1994
Robert Louis Vaughan	Physical Education	1995

* Deceased

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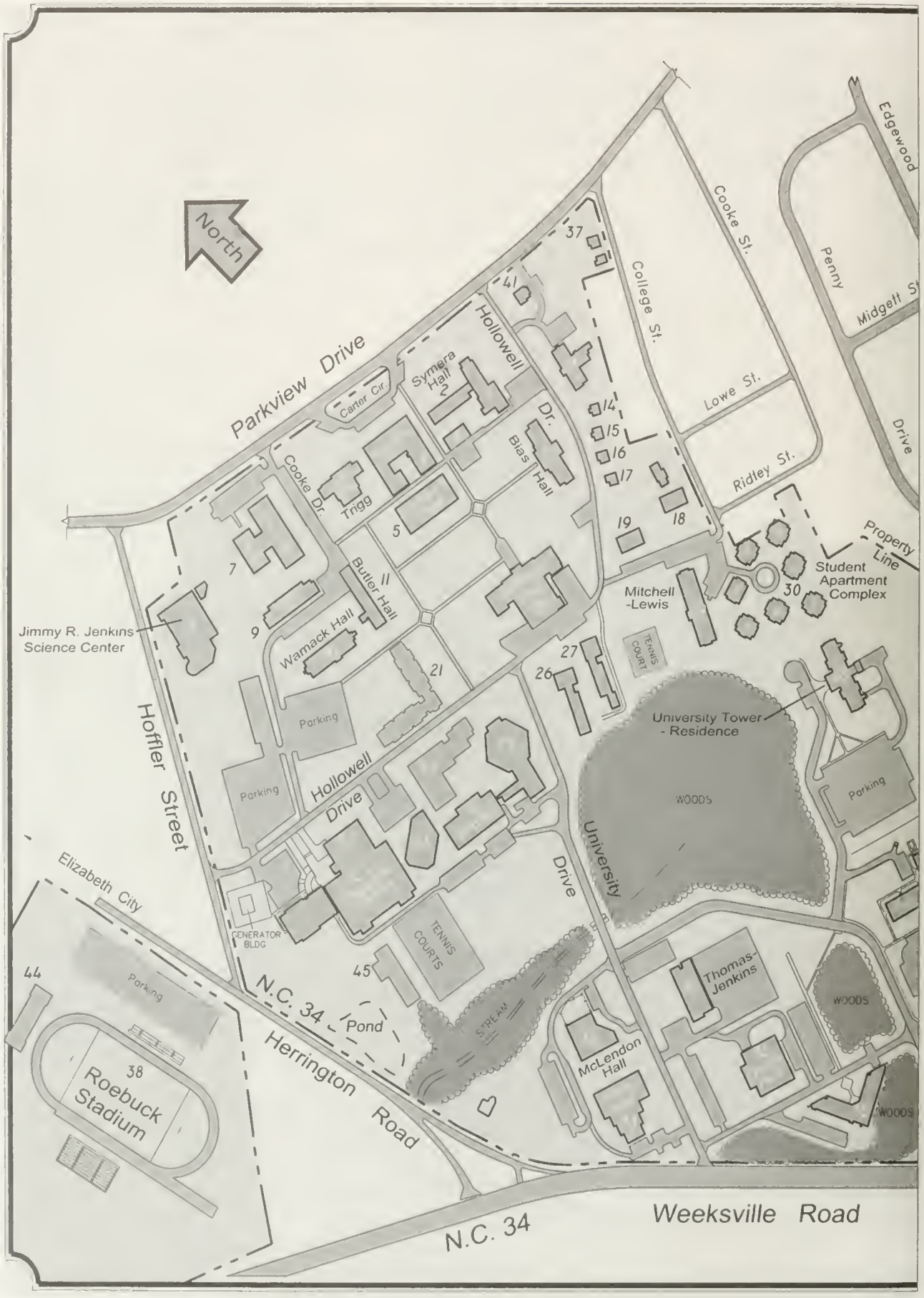
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Carter Cir.
Symera Hall
Hollowell Dr.
Bias Hall
Cooke Dr.
Trigg
Butler Hall
Wamack Hall
Jimmy R. Jenkins Science Center
Hoffler Street
Parking
Parking
Hollowell Drive
Elizabeth City
GENERATOR BLDG
TENNIS COURTS
N.C. 34
Pond
Herrington Road
Roebuck Stadium
Parking
STREAM
McLendon Hall
Thomas-Jenkins
WOODS
WOODS
WOODS
University Drive
University Tower - Residence
Mitchell -Lewis
TENNIS COURT
Student Apartment Complex
Property Line
Ridley St.
Lowe St.
College St.
Cooke St.
Penny
Midgett St
Edgewood
Drive
Weeksville Road
N.C. 34
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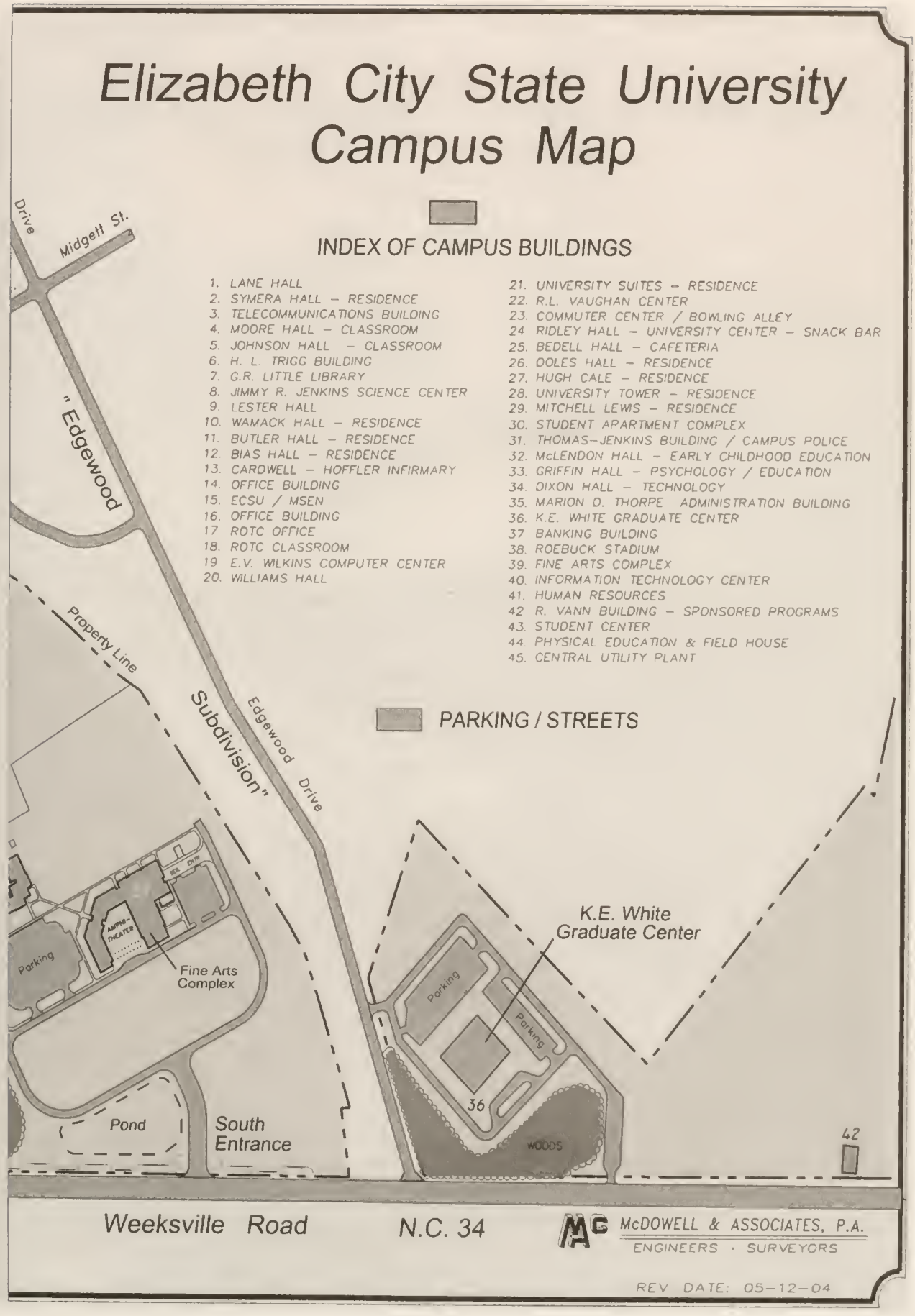
Elizabeth City State University
Campus Map



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