FAYETTEVILLE STATE UNIVERSITY

UNDERGRADUATE AND GRADUATE CATALOGUE

1985-1987

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FAYETTEVILLE STATE UNIVERSITY

UNDERGRADUATE AND GRADUATE CATALOGUE 1985-1987

Fayetteville State University
Fayetteville, North Carolina

Established 1867

DIRECTORY OF CORRESPONDENCE

GENERAL INFORMATION ..... OFFICE OF THE CHANCELLOR

ADMISSIONS (UNDERGRADUATE) .... DIRECTOR OF ADMISSIONS

ADMISSIONS (GRADUATE) ..... OFFICE OF GRADUATE STUDIES

ACADEMIC AFFAIRS ..... OFFICE OF THE PROVOST AND VICE CHANCELLOR FOR ACADEMIC AFFAIRS

ACADEMIC RECORDS ..... REGISTRAR'S OFFICE

BUSINESS AFFAIRS ..... OFFICE OF THE VICE CHANCELLOR FOR BUSINESS AFFAIRS

FSU FOUNDATION/INSTITUTIONAL DEVELOPMENT .. OFFICE OF THE VICE CHANCELLOR FOR INSTITUTIONAL DEVELOPMENT

FINANCIAL AID ..... DIRECTOR OF FINANCIAL AID

STUDENT WELFARE ..... OFFICE OF THE VICE CHANCELLOR FOR STUDENT DEVELOPMENT

CAREER PLANNING AND PLACEMENT ..... PLACEMENT OFFICE

SUMMER SCHOOL ..... DIRECTOR OF SUMMER SCHOOL

University Address:
Fayetteville State University
Newbold Station
Fayetteville, North Carolina 28301-4298
Telephone: 919-486-1111

Fayetteville State University, in keeping abreast of the ever changing times, reserves the right to change, delete, or add to any part of this publication as it deems necessary for the good of the University family. Every attempt will be made to keep change to a minimum to provide a smooth transition for all students, and all provisions of this catalogue should not be regarded as irrevocable.

TABLE OF CONTENTS

Academic Curriculum 58

Academic Regulations 43

Admissions 20-27

College of Arts and Sciences 60-137

Course Descriptions 216-293

Directory 1

Division of General Studies 55-57

Expenses 28-30

Faculty 296-306

Financial Aid 31-33

Graduate Studies 196-215

Index 307-308

Index of Degrees 59

School of Business and Economics 138-156

School of Education 157-196

Student Development 34-42

ACADEMIC CALENDAR 1985-1986

SPRING SEMESTER

January 2	Thursday	University Business Resumes at 8:00 a.m.
January 6	Monday	General Faculty Meeting - New Students Arrive
January 7,8	Tuesday-Wednesday	New Student Orientation & Testing
January 8-10	Wednesday-Friday	Registration for Day and Evening Classes Wednesday, Thursday 9:00 a.m.- 4:00 p.m., Friday 9:00 a.m. - 8:00 p.m.
January 11	Saturday	Registration for Weekend Classes Wednesday, Thursday 9:00 a.m.- 8:00 p.m.
January 13	Monday	All Classes Begin, Late Registration and Drop/Add Period Begins
January 15	Wednesday	Martin Luther King's Birthday
January 18	Saturday	Late Registration & Drop/Add Period Ends
February 3	Monday	Last Day for Filing Application for Summer, 1986 Graduation or December 1986 Graduation, if requirements are completed
March 3-8	Monday-Saturday	Mid-Term Examination Week
March 10	Monday	Deadline for Reporting Mid-Term Grades
March 10-15	Monday-Saturday	Spring Break
March 17	Monday	Deadline for Removing "I" Grades
March 22	Saturday	Last Day for Withdrawing from Classes
April 13	Sunday	Founder's Day
April 16-19	Wednesday-Saturday	Pre-Registration for Fall Semester
April 21-23	Monday-Wednesday	Final Examinations for Seniors
April 25	Friday	Grades Due for Graduating Seniors

May 3-9	Saturday-Friday	Final Examinations
TBA	TBA	Alumni Convocation
May 10	Saturday	Commencement
May 12	Monday	Deadline for Report Final Grades
May 12-13	Monday-Thursday	Post-School Conference

SUMMER SESSION 1986

May 16-17	Friday, Saturday	Registration: Weekend and Evening College and Graduate Classes
May 19-20	Monday-Tuesday	Registration for Summer Session I
May 21	Wednesday	Late Registration & Drop/Add Periods Begin
May 24	Saturday	Late Registration & Drop/Add Period Ends Summer Session I
June 20-21	Friday-Saturday	Mid-Term Examination for Weekend Classes
June 26-27	Thursday-Friday	Final Examinations for Summer Session I
June 28-29	Saturday-Sunday	Freshman Preview
June 29	Sunday	Intensive Study Program (ISP) Registration and Orientation
June 30	Monday	Deadline for Reporting Summer Session I Grades 12:00 noon
		Intensive Study Program (ISP) Classes Begin
July 1	Tuesday	Registration for Summer Session II
July 2	Wednesday	Classes Begin for Summer Session II
		Late Registration & Drop/Add Period Begins
July 4	Friday	4th of July Holiday
July 7	Monday	Late Registration & Drop/Add Periods Ends
August 1	Friday	Intensive Study Program (ISP) Classes End
August 2-4	Saturday-Monday	Final Examinations for Summer Session II, Weekend & Evening College and Graduate Classes
August 5	Tuesday	Deadline for Reporting Summer Session II Weekend & Evening College and Graduate Classes' Grades

ACADEMIC CALENDAR 1986-1987

FALL SEMESTER

August 13,14,15	Wednesday, Thursday, Friday	Pre-School Workshop (Faculty/Staff)
August 17	Sunday	New Students Arrive
August 18,19	Monday, Tuesday	New Student Testing Freshman Advisement
August 20,21,22,23	Wednesday-Saturday	Registration
August 25	Monday	All Classes Begin, Late Registration Drop/Add Begins
August 30	Saturday	Late Registration Drop/Add Ends
September 1	Monday	Labor Day Holiday 8 am - 9 pm
September 11	Thursday	Fall Convocation
September 26	Friday	Deadline for Filing Applications for May Graduation
October 13-18	Monday-Saturday	Mid-Term Examination Week
October 18	Saturday	Homecoming
October 20	Monday	Deadline for Reporting Mid-Term Grades
October 20, 21	Monday, Tuesday	Fall Break
October 29	Wednesday	Last Day for Withdrawal From Classes
October 31	Friday	Deadline for Clearance of "I" Grades
November 12,13,14,15	Wednesday-Saturday	Pre-registration for Spring Semester
November 27-29	Thursday-Saturday	Thanksgiving Holiday 8 am Thursday - 8 am Monday
December 6-13	Saturday-Saturday	Final Examinations
December 15	Monday	Deadline for Reporting Grades
December 22	Monday	University Christmas Holidays Officially Begin at 8 am

ACADEMIC CALENDAR 1986-1987
SPRING SEMESTER

January 2	Friday	University Business Resumes at 8:00 a.m.
January 5	Monday	General Faculty Meeting New Students Arrive
January 6,7	Tuesday, Wednesday	New Student Orientation & Testing
January 7-9	Wednesday-Friday	Registration for Day and Evening Classes 9 a.m. - 4 p.m. Wednesday & Thursday 9 a.m. - 8:00 p.m. Friday
January 10	Saturday	Registration for Weekend Classes and Graduate Classes 8:00 a.m. - 12:00 Noon
January 12	Monday	All Classes Begin, Late Registration and Drop/Add Period Begins
January 15	Thursday	(Martin Luther King's Birthday)
January 17	Saturday	Late Registration & Drop/Add Period Ends
February 2	Monday	Last Day for Filing Application for Summer, 1987 Graduation or December 1987 Graduation, if requirements are completed
March 2-7	Monday-Saturday	Mid Term Examination Week
March 9	Monday	Deadline for Reporting Mid Term Grades
March 9-14	Monday-Saturday	Spring Break
March 16	Monday	Deadline for Removing "I" Grades
March 21	Saturday	Last Day for Withdrawing from Classes
April 12	Sunday	Founder's Day
April 15-18	Wednesday-Saturday	Pre-Registration for Fall Semester
April 20-22	Monday-Wednesday	Final Examinations for Seniors
April 24	Friday	Deadline for Reporting Grades for Graduating Seniors
May 2-8	Saturday-Friday	Final Examination Week
TBA	TBA	Alumni Convocation
May 9	Saturday	Commencement
May 11	Monday	Deadline for Reporting Final Grades
May 11, 12	Monday, Tuesday	Post-School Conference

CHANCELLOR'S MESSAGE

Fayetteville State University opened its doors in 1867 as the Howard School. Ten years later, in 1877, the General Assembly of North Carolina acquired the Howard School and established it as a state supported institution.

The University has made great progress since its inception, in both programs and facilities. We are no longer exclusively a teacher training institution. We offer programs in associate and baccalaureate as well as graduate degrees in several disciplines.

Fayetteville State University's main campus is located in Fayetteville, North Carolina. The University maintains an Extension Center at Fort Bragg-Pope Air Force Base Military Installation. This Center, in conjunction with the Weekend and Evening College, allows military personnel and others to further their education without interrupting their professional responsibilities.

In addition to courses offered for undergraduate and graduate credit, the University offers a number of non-credit courses as well as those which carry the Continuing Education Unit (CEU). These offerings are provided through the Center for Continuing Education.

Education programs at Fayetteville State University are constantly under review, and new programs are added to meet the ever changing needs of our students and the society. Students at Fayetteville State University are our first priority.

We encourage you to visit our campus, meet our faculty and see first hand why Fayetteville State University is the place for you.

Charles "A" Lyons, Jr.

THE UNIVERSITY OF NORTH CAROLINA
SIXTEEN CONSTITUENT INSTITUTIONS

C. D. Spangler, Jr., B.S., M.B.A., President
Raymond H. Dawson, B.A., M.A., Ph.D., Vice President-Academic Affairs
L. Felix Joyner, A.B., Vice President-Finance
Roy Carroll, B.A., M.A., Ph.D., Vice President-Planning
Lloyd Hackley, B.S., M.S., Ph.D., Vice President-Student Services and Special Programs
Jasper Memory, B.S., M.S., Ph.D., Acting Vice President-Research and Public Service
Arnold K. King, A.B., M.A., Ph.D., Assistant to the President
R. D. McMillian, Jr., B.S., Assistant to the President for Governmental Affairs
Richard H. Robinson, Jr., A.B., LL.B., Assistant to the President for Legal Affairs
John W. Dunlop, B.A., Director, The University of NC Center for Public Television

The University of North Carolina is comprised of all the public institutions of higher education in North Carolina that confer degrees at the baccalaureate level or higher. The University was authorized by the State Constitution in 1776, and it was chartered in 1789 by the General Assembly.

The University of North Carolina opened its doors at Chapel Hill in 1795. Thereafter, beginning in the latter part of the nineteenth century, the General Assembly of North Carolina has established and supported fifteen other public senior institutions in keeping with Article IX, Section 8, of the Constitution of North Carolina which provides that the "General Assembly shall maintain a public system of higher education, comprising The University of North Carolina and such other institutions of higher education as the General Assembly may deem wise."

By 1969, The University of North Carolina included six constituent institutions, governed by a single Board of Trustees. This multi-campus University had its beginnings in legislation enacted in 1931 that defined the University of North Carolina to include The University of North Carolina at Chapel Hill, North Carolina State University at Raleigh, and The University of North Carolina at Greensboro. In the 1960's three additional campuses were added: The University of North Carolina at Charlotte, The University of North Carolina at Asheville, and The University of North Carolina at Wilmington.

Beginning in 1977, the General Assembly of North Carolina established or acquired ten additional separately governed state-supported senior institutions of higher education. There are: Appalachian State University, East Carolina University, Elizabeth City State University, Fayetteville State University, North Carolina Agricultural and Technical State University, North Carolina Central University, North Carolina School of the Arts, Pembroke State University, Western Carolina University, and Winston-Salem State University. Then in 1971, the General Assembly redefined The University of North Carolina, and under the terms of that legislation all sixteen public senior institutions became constituent institutions of The University of North Carolina.

The constitutionally authorized Board of Trustees of the six-campus University of North Carolina was designated the Board of Governors, and this body is by law the

Board of Governors of The University of North Carolina. The Board of Governors consists of thirty-two members elected by the General Assembly, and it is charged with "the general determination, control, supervision, management, and governance of all affairs of the constituent institutions." The chief executive officer of The University is the President.

Each constituent institution of The University has its own faculty and student body. The chief administrative officer of each institution is the Chancellor, and the Chancellors are responsible to the President.

Each constituent institution also has a board of trustees composed of thirteen members: eight elected by the Board of Governors, four appointed by the Governor, and the elected president of the student body **ex officio**. (The School of the Arts has two additional **ex officio** trustees.) The principal powers of these institutional boards are exercised under a delegation of authority from the Board of Governors.

FAYETTEVILLE STATE UNIVERSITY

HISTORICAL SKETCH

"Fayetteville State University" is the most recent name given to an institution with a long and interesting history.

At the close of the Civil War, the need for provisions for the schooling of Negro children was a crucial problem over the South. In 1867, seven Black progressive citizens David Bryant, Nelson Carter, Matthew N. Leary, A. J. Chesnutt, Robert Simmons, George Grainer and Thomas Lomax paid $140.00 for a lot on Gillespie Street in Fayetteville and converted themselves into a self-perpetuating Board of Trustees to maintain this property permanently as a site for the education of black children in Fayetteville. One of the first known friends of Negro education, General O. O. Howard, erected a building on this site; thus, the institution became known as the "Howard School." Robert Harris was chosen as the principal and served until his demise in 1880.

By a legislative act of 1877, the North Carolina General Assembly provided for the establishment of a Normal School for the education of Negro teachers. Because of the small amount of the appropriation, it was felt that the money could be used more effectively if given to an existing school. Several areas of the state competed for this first state-supported school, but the legislature chose the Howard School as the most promising because of its success record during the previous ten years. It was designated a teacher training institution and its name was changed to the State Colored Normal School. Charles Waddell Chesnutt, formerly assistant to Principal Harris, became the second principal of the institution in 1880.

In 1883, Principal Chesnutt resigned and Dr. Ezekiel Ezra Smith was selected to fill the vacancy. On two occasions, Dr. Smith was called to serve the U.S. government. During his first absence between 1888 and 1895, George Williams was chosen to guide the destiny of the institution. During his second absence, 1898-1899, Reverend L. E. Fairley became acting principal of State Normal School. When Dr. Smith retired in 1933 as President of the State Normal School, the institution had moved to its present location. The size of the new campus had expanded by 42 acres, and there were eight brick buildings and several cottages on the campus.

In 1929, all high school work was discontinued at the Normal School. In May of 1937, the State Board of Education authorized the extension of the study to four years with authority to grant the Bachelor of Science degree in elementary education. In 1939, the name of the institution was changed to Fayetteville State Teachers College and was under the leadership of Dr. James Ward Seabrook, who served as president from 1933 until his retirement in 1956.

Dr. Rudolph Jones was elected as President in 1956. During his administration, the curriculum was expanded to include majors in secondary education and programs leading to degrees outside the teaching field. The name of the institution was changed to Fayetteville State College in 1963. Also, under Dr. Jones' leadership, six additions to the physical plant were provided to accomodate a rapidly expanding enrollment. When Dr. Jones resigned in 1969, the new administration building was under construction and the Rudolph Jones Student Center was on the drawing board.

In 1969, the institution acquired its present name, "Fayetteville State University," and Dr. Charles "A" Lyons, Jr. was elected President of the newly designated "regional university."

By legislative act, on July 1, 1972, Fayetteville State University became a constituent institution of The University of North Carolina and Dr. Lyons became its first Chancellor.

Hallmarks of progress attributed to the present administration's building program are the Rudolph Jones Student Center, the George L. Butler Learning Center and the New Residence Hall. A new ultramodern Science Complex was completed and occupied in the Spring of 1981. In the Fall of 1981, construction of the new administration building was completed. The Center for Continuing Education represents a part of the first private philanthropic grant of over one million dollars to the University, given by the Kellogg Foundation. Plans are now underway to construct a much needed new library on the campus.

The facilities of the institution have also been greatly improved. From a one-building school of 117 years ago, Fayetteville State University has grown to a campus of 156 acres and 36 buildings with a current value of over $35 million. The University is continuing to expand its facilities.

In addition to physical facilities, the quality of the faculty is an area in which there has been steady improvement. During the administration of Dr. Lyons, the number of faculty with doctorate degrees has increased from 25% to 75%. Academically, FSU seeks to provide an atomosphere that encourages intellectual creativity and rewards outstanding scholarship by providing excellent undergraduate degrees. The development of the whole person is the basic philosophy at Fayetteville State University.

The University maintains an Extension Center at the Fort Bragg-Pope Air Force Base Military Installation. This Extension Center, in conjunction with the Week-End and Evening College, allows military personnel and others with full-time jobs to further their education without interrupting their professional responsibilities.

Fayetteville State University has made great progress since its inception, in both programs and facilities. No longer exclusively a teacher training institution, FSU now offers eleven (11) programs of study leading to the baccalaureate degree in 23 disciplines. Graduate degrees are now offered in three (3) disciplines in education and one discipline in business administration.

Fayetteville State University is a proud institution with an outstanding history. Its members do not rest on past accomplishments; instead, they are always striving for future improvement. Located in the fourth largest urban population center in the state of North Carolina and in one of the ten fastest growing counties in the southern states, FSU's growth is assured.

The University holds institutional membership and/or accreditation in the following agencies and professional organizations:

The Adult Education Association, U.S.A.
The American Association of Colleges and Colleges for Teacher Education (AACTE)
The American Association of State Colleges and Universities
The American Council on Education (ACE)
The Central Intercollegiate Athletic Association (CIAA)
The National Alliance of Business
The National Association of Business Teacher Education
The National Collegiate Athletic Association
The National Council for Accreditation of Teacher Education (NCATE)
The North Carolina Association of Colleges and Universities
The North Carolina State Department of Public Instruction
The Regional Educational Laboratories for the Carolinas and Virginia
The Servicemen's Opportunity College (SOC)
The Southern Association of Colleges and Schools (SACS)
Association for Continuing and Higher Education
National Association for Equal Opportunity in Higher Education (NAFEO)
Council for the Advancement of Experimental Learning (CAEL)
Council for Advancement and Support of Education (CASE)
National Association for Student Financial Aid Administrators (NASFAA)
North Carolina Day Care Association
American Association for Counseling and Development
National Commission for Cooperative Education

PHILOSOPHY AND PURPOSE

The perceptions and value judgments to which Fayetteville State University subscribes are the basic determinants of its philosophy of education and life. Those determinants have led the University to embrace the philosophical posture that a meaningful education must demonstrably (1) contribute to the growth and development of rational human beings who are mentally alert and committed to the task of improving "the quality of life" of all mankind (2) contribute to the development of individuals who are capable of contributing to the solution of human, ecological, technical, and scientific problems, and (3) enhance the knowledge-base and understandings relative to the reality of cultural pluralism which inescapably is mankind's social heritage.

The purposes of Fayetteville State University flow from its philosophical posture. Thus, the purpose of Fayetteville State University is to encourage its students in the attainment of excellence of scholarship, acquisition of special skills in the arts and sciences, and the development of a sense of obligation to contribute to the cultural and economic growth of the democratic order of society. In achieving those ends, the University seeks to prepare students to think critically, express themselves creatively, make independent and rational judgments, and to adhere to standards of moral integrity.

The ultimate goal of the University is to promote the development of graduates who exemplify all that is implied in the concept of well-rounded, effectively educated in-

dividuals, who are capable of finding their places in, and making a meaningful contribution to the social order.

MISSION STATEMENT

The mission of Fayetteville State University is to extend the benefits of its educational programs and services to all the people of North Carolina and particularly to those in the Southeastern region. In pursuit of that goal, the University is committed to the task of providing its constituencies with the opportunity to develop, enhance, and utilize the techniques of intellectual inquiry. Thus, the constituencies served by the University will be encouraged and assisted in their pursuit of truth through the transmission and advancement of knowledge.

Fayetteville State University seeks to provide an atmosphere that encourages intellectual creativity and which rewards outstanding scholarship. In short, the University envisions its mission as four-fold:

1. To provide excellent undergraduate programs in the arts and sciences, business and economics, and teacher education to all persons who aspire to pursue an education in those areas, and, through honors and compensatory educational programs, both challenge and aid students in the realization of their academic potentiality.

2. To identify, publicize, and utilize the University's resources and talents for the benefit of the total community.

3. To become a major regional comprehensive university, and to provide full services to the people of Southeastern North Carolina with the kinds of educational programs and leadership that are essential to their future.

4. To provide graduate programs at the Master's level in the appropriate academic college/schools.

EDUCATIONAL SERVICES

Education services are extended to all persons within the University's sphere of influence by means of **Off-Campus Centers, Satellite Campuses, Weekend and Evening College**, lectures, and by other means and methods as may seem to the Board of Trustees and officers of the administration as most effective, and with the responsibility for such other programs as are deemed necessary to meet the needs of its constituency and of the state.

At present, curricula are offered in five programs: (1) The regular four-year program leading to the B.S., B.A. and B.S.M.T. degrees; (2) Two-year programs leading to the Associate of Arts Degree; (3) The Summer Schools; (4) Continuing Education and Community Services; and (5) Masters Desgrees.

SPECIAL SERVICES AND UPWARD BOUND

The Special Services Program is designed to provide innovative and supportive ed-

ucational services to include guidance, counseling, and tutoring. Scholastic success and satisfaction are enhanced for eligible freshman and sophomore students. Students actively participating in tutoring are covered by an "R" grading policy and a two year retention clause.

The Upward Bound Program is designed for high school students who desire and are eligible for academic, cultural, social and financial support to assist them in post-secondary educational pursuits.

FORT BRAGG-POPE AIR FORCE BASE CENTER

Fayetteville State University offers a program of higher education to serve the military personnel and their dependents assigned to these military installations. The proximity of the campus and the flexibility of the University programs offer the maximum opportunity for interested and qualified personnel to continue their education while in service. Degrees are awarded by the University through the Center in business administration, economics, education, English, history, mathematics, politics, and sociology. There is an excellent opportunity for military personnel to complete their educational programs through the Center as part-time students or on temporary duty as full-time students. Additional information may be obtained by writing to the Director of the Fort Bragg-Pope AFB University Center, Box 207, Fort Bragg, North Carolina 28307.

THE WEEKEND AND EVENING COLLEGE

Fayetteville State University's Weekend and Evening College offers working men and women the opportunity to complete a college education by attending classes in the evenings and on weekends.

Degree programs offered through the Weekend and Evening College are regular Fayetteville State University degree programs. All courses offered are degree requirements or electives relevant to specific degree programs.

The curriculum is designed to meet the various academic needs of those with incomplete college educations; those who have Associate of Arts degrees; inservice teachers who need renewal or recertification credits; and those high school graduates who never attended college previously but wish to do so now. Courses are also available on a non-degree basis for personal enrichment and upgrading of one's occupational skills.

Students enrolled in the Weekend and Evening College may take a minimum of three semester hours or a maximum of eighteen semester hours credit depending upon personal obligations and program requirements. Classes are held Monday through Friday evenings and on Saturday. Library, dining hall, and all regular college facilities are available to students.

CENTER FOR CONTINUING EDUCATION

Continuing education is a process designed to serve adults in their efforts to increase their competence and confidence as they strive to cope more successfully with the constant changes and growing complexities of contemporary life. It is a process which begins

for adult learners when they individually decide they need more education, training, or knowledge in order to 'keep up' or 'get ahead' or simply do better,' and it ends only when they no longer feel those needs.

Conceptually, continuing education at Fayetteville State University may be described as an effort to extend the teaching, consultative, and research resources of the Institution into the local community. These resources, in concert with all other appropriate resources, are molded into an organized effort to (1) meet the unique educational needs of individuals within the adult population who have either completed or interrupted their formal education, and (2) assist in identifying and developing new, expanded, or improved approaches to the solution of community problems.

All continuing education activities at Fayetteville State University are categorized as Continuing Education Units (CEU) credit, academic credit or non-credit. Such activities are designed to serve (1) individuals who need further professional/career development, (2) individuals needing various forms of public affairs education in order to become more aware of or participate effectively in political decision-making, (3) individuals who need continuing education for personal and cultural development, and (4) women needing professional/career development, and other skill training to meet the needs of their profession or career.

Most non-credit continuing education activities are of a community service nature and include special programs affecting community-wide problems. Examples of such activities include Supervisory Development Programs for middle management personnel; Small Business Management Institute for upgrading, planning and management skills; Programs centered around Problems and Trends in Local Government whose primary clientele include employees from both city and county government; and Programs for women who are divorced, separated, or widowed, requiring skill training related to profession or career, and other programs of benefit to women. Continuing Education activities and programs include courses, conferences, institutes, seminars and workshops.

Consistent with the criteria of Standard Nine of the Southern Association and the educational standards of the University of North Carolina, all continuing education activities sponsored or co-sponsored by Fayetteville State University will be organized experiences under responsible and capable direction utilizing systematic evaluation.

CENTER FOR ECONOMICS EDUCATION

The Center for Economics Education is a non-profit and non-partisan institutional entity committed to promote and impart economics education primarily in Southeastern North Carolina. The Center is affiliated with The North Carolina Council on Economics Education and the Joint Council on Economics Education.

The objectives of the Center are fourfold:

To improve on and off campus teaching of economics, with particular emphasis on pre- and in-service teacher training;

To consult with local schools, educational agencies, and community groups on

matters relating to curriculum content, materials and strategies;

To conduct research in economics education;

To develop and/or distribute appropriate materials useful in the economics education effort.

THE UNIVERSITY LIBRARY

The present Charles Waddell Chesnutt Library, a three-level contemporary building, was named for the third president of the institution, and the first successful American black novelist. This building covers more than 40,000 square feet of space and was completed in 1968, with an addition/renovation in 1982. It provides space for nearly 400 persons, houses more than 150,000 volumes of books and bound periodicals, more than 300,000 items of microfiche and microfilm. In addition it subscribes to more than 1,600 periodicals and newspapers, and is a partial depository of national, state and local government documents. Non-book and audio-visual materials are also provided.

A wide variety of services are provided by the competent, well trained library staff. Students, faculty and staff are not only encouraged to use the library, but every effort is made to make them comfortable with materials and resources needed. This includes reference service, informational tours, library lectures, classroom instruction, and interlibrary loan service. Extensive use of computers is an important part of library service, including **Computerized Information Retrieval.** Serial and periodical holdings are also listed on a computer.

Every student enrolled in the college is to receive a picture identification card (ID). This card also serves as the **Library Card,** and is the student's only means of borrowing books from the **Chesnutt Library.** In addition, all students are provided a **Library Handbook** that makes available to the student all information as to the rules and regulations governing the use of the **Chesnutt Library,** but also instruction as to how to use the library. In addition, a **Library Orientation Handbook** is provided as part of library orientation and bibliographic instruction.

One of the most recent services of the Chesnutt Library is the Special Collections/University Archives. This area contains a collection of objects, resources and materials by and about Charles Waddell Chesnutt, available to scholars and serious researchers of Chesnutt and his era. Also in this area is the University Archives, a growing collection of documents and materials about the University and the Fayetteville Community.

COOPERATIVE EDUCATION PROGRAM

Cooperative Education is an education program that integrates on-campus classroom study with off-campus work experience. Students enrolled in the Cooperative Education Program alternate between periods of study at the University and periods of employment with business and governmental agencies. Through the Cooperative Education Program, students are placed in jobs which relate to their major areas of study. The program is designed to assist students in developing self-confidence and maturity, and in making the transition from campus life to the world of work.

The program is available to students who meet the following criteria:

Must have full-time student status and be in good standing with the University.

Must maintain a minimum 2.0 cumulative grade point average.

Must file an application in the Office of Cooperative Education.

COOPERATIVE PROGRAMS

Cooperative programs between Fayetteville State University and North Carolina State University at Raleigh, North Carolina lead toward a Bachelor of Arts Degree in the following areas:

Applied Mathematics (2-2)
Conservation (2-2)
Engineering (3-2)
Experimental Statistics (2-2)
Pulp and Paper Science and Technology (2-2)
Recreation and Park Administration (2-2)
Textile Chemistry (2-2)
Textile Technology (2-2)

The parenthesized numbers following each area indicate the respective segments in years at Fayetteville State University and North Carolina State University.

Students interested in a major in any of the above areas see the chairman indicated as follows: (1) Applied mathematics, engineering and experimental statistics - chairman of the Department of Mathematics and Computer Science; (2) Conservation, physics, pulp and paper science and technology, textile chemistry, and textile technology - chairman of the Department of Life Sciences; (3) natural resources, recreation management and recreation and park administration - chairman of the Department of Health, Physical Education and Human Services.

NONDISCRIMINATION STATEMENT OF FAYETTEVILLE STATE UNIVERSITY

Fayetteville 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, sex, age, or handicap. Moreover, Fayetteville State University is open to people of all races and actively seeks to promote racial integration by recruiting and enrolling a larger number of white students.

STATEMENT ON THE FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT OF 1974

Under the provisions of the Family Educational Rights and Privacy Act of 1974, Fayetteville State University guarantees to each of its students the following:

1. Access to Educational Records

   A .Each student enrolled at Fayetteville State University shall have the right to inspect and review his or her academic record and disciplinary files with the following review:

(a) Financial records of the parents of the student or any information contained therein.

(b) Confidential letters and statements of recommendation which were placed in the education records prior to January 1, 1975, if such letters or statements are not used for purposes other than those for which they were specifically intended.

(c) Personal notes of teachers.

(d) Medical and psychiatric records.

2. Waiver of Right of Access

A. A student may waive his right of access to any or all of his/her educational records.

3. Release of Information

Fayetteville State University will not release educational records or personally identifible information contained therein other than directory information, without the written consent of the student to any individual, agency, or organization, other than to the following:

A. Other school officials, including teachers within the University

B. Authorized representatives of the U.S. Department of Education

C. State education authorities

D. In connection with a student's application for or receipt of financial aid.

E. Accrediting organizations in order that they may carry out their accrediting functions

4. Opportunity For Hearing

Students must be afforded the opportunity of a hearing to challenge the contents of their school records when inaccuracies, misleading information, or violation of rights of privacy or other rights are alleged.

ADMISSIONS

The admissions policy of Fayetteville State University is designed to enable the University to achieve its prime objective, the provision of higher education for the maximum number of those seeking such. The University seeks to admit the advantaged and the socially and economically disadvantaged who are highly motiviated and desirous of elevating their status in the human society. The University strives to recognize human beings with meritorious potentials and through its educational and learning programs and experiences tries to enable students to achieve maximum human possibilities.

Each applicant must complete an application form which may be obtained from high school counselors or by writing to:

Director of Admissions
Fayetteville State University
Newbold Station
Fayetteville, North Carolina 28301-4298

All applications for admission must be accompanied by a $15.00 non-refundable money order or cashier's check. NO PERSONAL OUT-OF-STATE CHECKS ARE ACCEPTED.

Fayetteville State University accepts applications for admission in the following categories:

EARLY ADMISSION PROGRAM

The Early Admission Program provides opportunity for promising high school students to take college level courses while in high school. Applicants who have completed their junior year must submit a formal application for admission, must present combined Scholastic Aptitude Test (SAT) scores of 900 or above, above average grades and recommendations from counselors or principals.

EARLY ADMISSION DUAL ENROLLMENT

This avenue of admission is designed for currently enrolled qualified high school seniors who are desirous of pursuing an early college program. Applications will be considered upon receipt of an application for admission and meeting the requirements as follows:

1. Submission of an application for admission, accompanied by a $15.00 nonrefundable money order or cashier's check. NO PERSONAL OUT-OF-STATE CHECKS ARE ACCEPTED.

2. Presentation of an official transcript depicting all courses attempted and grades earned from the ninth through the eleventh grade. The transcript must also reflect those courses in which the applicant is currently enrolled.

3. Transcripts must reflect that the applicant upon graduation will have fulfilled the following sixteen high school credits:

English	4 units
Mathematics	2 units (recommend algebra, trigonometry, or geometry)
Science	2 units
Social Studies	2 units
Electives	6 units

4. An overall "C" average in all courses attempted in the ninth through the eleventh grade.

5. A satisfactory combination of high school class rank and Scholastic Aptitude Test (SAT) score. If SAT is not available, student will be tested prior to registering for classes.

6. Currently classified as a high school senior.

7. Passed the North Carolina Competency Examination.

8. Present a current Report of Medical History form and provide an acceptable record of immunization.

Students accepted under this program will be required to take all tests administered to entering freshmen.

Applicants considered for admission will be accepted under the "Acceptance Classification of Provisional Admission." Unconditional or conditional admission is contingent upon fulfilling the aforestated requirements and graduation from high school or equivalent.

Students accepted and registered under this program will not receive grade nor official transcript until an official copy of final high school transcript or equivalent is received and their Provisional Admission classification is changed to Unconditional or Conditional.

BEGINNING THE FALL SEMESTER 1988, STUDENTS APPLYING UNDER THE EARLY ADMISSION DUAL ENROLLMENT PROGRAM WILL BE REQUIRED TO MEET THE SAME FRESHMAN ADMISSION REQUIREMENTS AS DEPICTED IN SECTION 7-b UNDER "FRESHMAN STUDENTS."

FRESHMAN STUDENTS

Applicants will be considered for admission to the freshman class upon submitting a complete application and meeting the requirements specified below:

1. A non-refundable $15.00 fee to accompany the completed application.

2. Graduation from an accredited high school or its equivalent.

3. Furnish copy of high school transcript depicting grades through the junior year, courses in progress in the senior year and overall grade point average based on at

least two years of high school study (prospective students currently enrolled in high school).

4. Furnish final copy of high school transcript depicting all courses and grades earned/attempted in grades 9-12.

5. Successfully pass both areas of the North Carolina Competency Examination. (Requirement for all students graduating from secondary schools in North Carolina).

6. Presentation of a satisfactory combination of high school class rank and Scholastic Aptitude Test (SAT).

7. a) **Freshman Admission Requirements through Spring Semester 1988:**
Sixteen units of secondary school work are required for consideration as an applicant for admission, a unit representing a year's work in a subject matter area. The units must include

   - Four (4) course units in English;

   - Two (2) course units in mathematics (recommend algebra, trigonometry, or geometry);

   - Two (2) course units in science;

   - Two (2) course units in social studies;

   - Six (6) electives (from the areas of language, literature, mathematics, natural sciences, social sciences, or business).

   b) **Freshman Admission Requirements beginning Fall Semester 1988**

   - Four (4) course units in college preparatory English;

   - Three (3) course units in mathematics, including geometry, algebra I, and algebra II;

   - Two (2) course units in social studies, including one (1) unit in U.S. History; and

   - Three (3) course units in science, including at least (1) unit in a life or biological science and at least one (1) unit in a physical science, and including at least one (1) laboratory course.

   - In addition, it is recommended that prospective students complete at least two (2) course units in one foreign language, and that they take one (1) foreign language course unit and one (1) mathematics course unit in the twelfth grade.

8. Forward Report of Medical History form and acceptable record of immunization to the University Physician, Spaulding Infirmary (after acceptance).

TRANSFER STUDENTS

An applicant seeking admission by transfer of credits is required to submit an application with a $15.00 (non-refundable) fee and have all transcripts from previous colleges, universities, two-year institutions and secondary schools forwarded to the Office of Admissions by the proper official at each institution attended. Even though no transfer of credit may be involved, all previous post-secondary experience must be certified by transcript or records of attendance.

A student wishing to transfer to Fayetteville State University from other institutions must meet the following requirements for admission: (1) He/she must be eligible to return to the institution last attended, and (2) He/she must have attained at least a "C" average based on all courses attempted at all institutions. Transfer students with less than thirty-one (31) semester hours of transferable credit must also meet the freshman entrance requirements. Students classified in this category will be under the jurisdiction of the appropriate College or School.

READMISSION STUDENTS

Students who have not attended the University for one or more semesters must file a complete application with a $15.00 (non-refundable) fee and furnish official transcripts from all previous institutions attended since their last enrollment.

Subsequent to readmission, all former students must receive clearance from the Vice Chancellor for Business Affairs, Vice Chancellor for Student Development and the University Registrar.

SPECIAL/VISITING STUDENTS

Special/Visiting Students are herein defined as students who are taking courses for reasons such as enrichment, teachers' certification, or transferable purposes, in that they are not classified as matriculating students at Fayetteville State University.

These applicants are required to submit an application with a $15.00 (nonrefundable) fee and to furnish one of the following kinds of credentials:

1. Official high school transcript or equivalency certificate.

2. Official transcript of any other university, college, technical institute, junior/community college attended.

ACCEPTANCE OF TRANSFER CREDITS

The University will accept a maximum of sixty (60) credits of transfer credit from an accredited two year institution.

Credits in an Associate of Arts degree or an Associate of Science degree from an accredited junior/community college, technical institute or courses completed by graduates of a College Parallel Program in state approved community colleges and

technical institutes will be accepted without validation. However, the student must fulfill all requirements of his major even if it means taking freshman and/or sophomore level courses.

Fayetteville State University will not accept correspondence courses.

Subject examinations offered through the College Level Examination Program (CLEP) will not be used to fulfill course requirements when students have received an "F" or "FN" grade for a required course.

TRANSFER FROM NON-ACCREDITED INSTITUTIONS

Tranfer credits accepted from courses taken from a non-accredited institution are provisional and will not be considered by the dean of the school or department head nor validated until students have maintained a 2.0 average for two (2) consecutive semesters (one academic year).

CREDITS FROM MILITARY SCHOOLS AND EXPERIENCES

Credits for courses from military service schools, military experiences, etc. are based on recommendations published in the **Guide for the Evaluation of Educational Experiences from the Armed Services** by the American Council on Education.

Students seeking credit for military service and experience must submit official evidence of having completed the training, experience or education while in the service for each course in which military education or experience is requested in substitution of curriculum courses at Fayetteville State University.

CREDIT FOR BASIC HEALTH AND PHYSICAL EDUCATIONAL REQUIREMENTS

Veterans who have completed basic training in the service may receive a total of three (3) credits for basic health and physical education requirements at the freshman level and Health Education 112 Personal Hygiene. A copy of Form DD 214 (Report of Separation) must be submitted to the Director of Admissions.

SERVICEMEN'S OPPORTUNITY COLLEGE --- SOC

Fayetteville State University is a Servicemen's Opportunity College. The Servicemen's Opportunity College is a network of institutions across the country and overseas which have recognized and responded to expectations of servicemen and women for adult, continuing education.

RESIDENTIAL STATUS AND TUITION ASSESSMENT

University of North Carolina Administrative Policy governing residential status is outlined in the publication: **A Manual to Assist the Public Higher Education Institutions of North Carolina in the Matter of Student Residence Classification for Tuition Purposes.** This manual is Fayetteville State University's policy guide. Copies of this manual are available on request at the Office of Admissions, the Student Government

Office and the Office of the Vice Chancellor for Student Development.

Each student is responsible for being familiar with the contents of the manual and for informing the Office of Admissions, on appropriate forms, of any changes in residency status.

FOREIGN STUDENTS

The University welcomes applications from qualified international students. The presence of these students, with their varied geographical and educational backgrounds, will promote goodwill and understanding in North Carolina and provide an opportunity for University students to further their knowledge and appreciation of other cultures.

The prospective foreign student must file an application with the $15.00 (non-refundable) fee and furnish the following:

1. Submit official copy of secondary transcript and transcripts from any other universities attended.

2. Furnish results of the Test of English as a Foreign Language (TOEFL) or other English proficiency examinations administered by the Cultural Attache of the American Consulate or Embassy in the country in which they reside.

3. Furnish a satisfactory combination of the Scholastic Aptitude Test (SAT).

GENERAL INFORMATION

Admission to the University does not guarantee admission to any professional teaching curricula.

It is the student's responsibility to request that all transcripts and other records as requested be forwarded to the Office of Admissions.

All required credentials for admission for the semester applied for must be on file in the Office of Admissions prior to the opening date of the semester for which the student desires to enroll.

Transcripts will be evaluated on the basis of Fayetteville State University requirements, not those of any institutions previously attended. IF A TRANSFER STUDENT MEETS ALL ADMISSION REQUIREMENTS, FULL CREDIT WILL BE AWARDED FOR ALL TRANSFER COURSES FOR WHICH A PASSING GRADE OF "C" WAS RECEIVED AND IF THE COURSE CAN FULFILL REQUIREMENTS OR BE USED AN AS ELECTIVE.

Prospective transfer students' credentials will be evaluated only if they are accepted as matriculating students.

Transcripts submitted for evaluation may be totally or partly disallowed according to

Fayetteville State University policies.

Grades transferred from other institution(s) are not considered in computing the grade point average at Fayetteville State University.

Falsification of the application or any academic records will result in dismissal from Fayetteville State University.

SUMMER SCHOOL STUDENTS

All applicants applying for summer school must fulfill the admission requirements of a special/visiting student. Fayetteville State University's currently enrolled students are not required to submit an application for summer school.

ACCEPTANCE CLASSIFICATION

Fayetteville State University admits students at the beginning of the fall, spring, and summer sessions in the following acceptance classifications:

UNCONDITIONAL ADMISSION

Applicants are classified as unconditional students when they meet full admission criteria.

CONDITIONAL ADMISSION

Applicants who meet the admission criteria but have indications of weaknesses or a specific deficiency in their high school experience and/or did not earn a satisfactory SAT score may be admitted conditionally. These students will be permitted to enter a restricted college level program on the basis of an analysis of their respective academic potential. A limitation of thirteen (13) credits for the first semester of study is imposed upon conditionally admitted students.

Conditional students who fail to earn an average of "C" or above during their first two semesters of work will subsequently be subject to the Academic Retention, Probation and Suspension rules that are in effect for any other student.

PROVISIONAL ADMISSION

Qualified applicants may be accepted for admission on a tentative or provisional basis, pending receipt of final transcripts and/or official copy of SAT scores by the Office of Admissions.

NORTH CAROLINA PUBLIC HIGHER EDUCATION RESIDENCE AND TUITION STATUS APPLICATION

Applications are available on request in the Office of Admissions for students who wish to apply to have their residential status changed.

Appeals will be considered on the basis of information written by the student on the

application.

It is incumbent upon students to secure and complete the proper form (North Carolina Public Higher Education Residence and Tuition Status Application) when they wish to challenge their residential classification. The form will also be used to obtain information from students whenever the Office of Admissions needs additional information upon which to soundly base a residency decision.

Persons having questions relative to their residential status for tuition assessment are urged to contact the Office of Admissions during regular office hours.

FUNDAMENTAL REQUIREMENTS OF LAW G.S. (116-143.1 (B)

To be eligible for classification as a resident for tuition purposes, the applicant for such classification must have resided in the state of North Carolina for a minimum period of twelve months prior to being classified as a resident for tuition purposes.

Mere physical presence within the state for the prescribed twelve month period, however, will not suffice alone to entitle the student to resident classification for tuition purposes; in addition, during such twelve month period the student must have been a domiciliary (legal resident) of the state.

CLASSIFICATION PROCEDURE

A student admitted to initial enrollment or permitted to re-enroll following withdrawal from the University shall be classified by the University either as a resident or a nonresident, for tuition purposes, prior to actual matriculation.

A residential classification, once assigned, may be changed thereafter only at intervals corresponding with the established primary divisions of the academic calendar of the University, i.e., semester.

No change in residential classification shall be effected during a semester with resulting increases or decreases in the tuition on a prorated basis for a portion of such semester.

The burden of establishing facts which justify classification of a student as a resident entitled to in-state tuition rates is on the applicant.

The appellate body for residential classification decisions is appointed by the Chancellor.

This committee will serve as the appeal body for residence determination in those cases where a student does not agree with the classification decision of the Director of Admissions. The recommendation of the Committee will be forwarded to the Chancellor for final institutional action.

The State Residence Committee is the source of final appellate relief. It will hear those cases in which it is alleged that prior disposition of the case violated State or Federal Law or was inconsistent with the regulations of the University of North Carolina.

EXPENSES

TUITION AND FEES

Rates for tuition and fees are established by the North Carolina General Assembly, the University of North Carolina, the President of the University of North Carolina, and Fayetteville State University.

The tuition and fees include state tuition (in-state and out-of-state rates), activities and service fees, insurance, and bookstore fees. Room and board fees are charged as a separate fee for those students who decide to reside on campus. In addition to these basic fees, other fees and expenses may be charged to students for special services. These fees are listed in the subsequent pages.

The fees for each student will be determined by the following criteria:

- In-State or Out-of-State Resident
- Graduate or Undergraduate
- Number of Credit Hours
- Boarding or Non-Boarding
- Army or Air Force Tuition Assistance Program

Since the Tuition and Fees are subject to change each year, the actual fees are not included in this publication. A copy of the current rates may be obtained by contacting the Office of Business Affairs. The following rates may be used as estimated annual charges:

	In-State Resident	**Out-of-State Resident**
Non-Boarding	$ 912	$3,758
Boarding	2,732	5,578

The fees for the Fort Bragg Campus and the Center for Continuing Education are established at different rates from those at Main Campus. A copy of the current rates may be obtained by contacting these centers.

METHOD OF PAYMENT

Parents and others responsible for the fees of students should make remittances payable to Fayetteville State University. PAYMENTS MAY BE MADE BY CASH, MONEY ORDERS, CASHIER'S CHECKS, OR IN-STATE PERSONAL CHECKS. NO OUT-OF-STATE PERSONAL CHECKS OR THIRD PARTY CHECKS WILL BE ACCEPTED. Payments may be mailed directly to the Vice Chancellor for Business Affairs or paid at registration. Money intended for the personal use of a student should not be included in any check or money drawn to Fayetteville State University since such a remittance must be deposited in full to the student's account. No part of remittances made payable to the University will be given to the student except at the written request of the person making the remittance. The written request should be mailed directly to the Vice Chancellor for Business Affairs.

REFUND

When a student withdraws from school, the University will not release any refund or tuition, fees, room or board until at least four weeks have elapsed from the official date of withdrawal. All refunds will be made by check. After the close of the official drop/add period, withdrawals without penalty may be granted only when exceptional circumstances such as documented medical or hardship situations exist. A written request, accompanied by adequate documentation, should be submitted to the Vice Chancellor for Business Affairs.

After a semester begins, (first day of class), no adjustment are made regarding room and board changes. At Ft. Bragg, no refunds are made after the last day of registration.

A large percentage of students receive financial aid to assist in their education. Generally, financial aid is deposited directly to the student's account. Financial aid in excess of applicable University tuition is refunded after the sixth week of the semester. Students receiving financial aid should not plan on receiving refunds earlier than that time.

WITHDRAWAL

Withdrawal Refund Schedule - Regular Semester

Within two weeks after the beginning of the semester	80%
Within three weeks after the beginning of the semester	60%
Within four weeks after the beginning of the semester	40%
Within five weeks after the beginning of the semester	20%

Withdrawal Refund Schedule - Summer Sessions

Prior to second scheduled class	80%
3rd day of class	60%
4th day of class	40%
5th day of class	20%

NO REFUNDS WILL BE MADE AFTER THE FIFTH CLASS MEETING.

NO TUITION REFUNDS WILL BE MADE FOR INDIVIDUAL COURSES DROPPED AFTER THE DROP/ADD PERIOD.

Students will receive total refund of tuition and fees if class is cancelled by the University.

No refunds will be made to a student who withdraws unofficially.

MERE ABSENCE FROM CLASS DOES NOT CONSTITUTE WITHDRAWAL. ANY STUDENT DESIRING TO WITHDRAW TOTALLY FROM THE UNIVERSITY SHOULD INITIATE THIS PROCESS AT THE OFFICE OF THE ASSOCIATE DEAN FOR RESIDENCE LIFE OR THE ASSOCIATE DEAN FOR STUDENT LIFE AND SPECIAL PROGRAMS.

BOOK RENTAL PLAN

The University has implemented a book rental plan whereby all undergraduate students will be charged a flat rate rental fee. This fee allows for the acquisition, without actual purchase, of the "hard-back" textbooks needed for registered courses during that semester. The student will be required to purchase any "soft-back" books and supplies.

Rental books not returned by the end of the semester will be charged to the student. A late fine will be charged for books returned after the last day of the final exams in each semester.

All books must be **purchased** by graduate students, Ft. Bragg Campus students, and **all** students during Summer School.

ACCIDENT AND SICKNESS INSURANCE

The University has arranged for accident and sickness insurance for all undergraduate students. The plan has been especially designed to supplement the medical care furnished by the University Health Services.

The premium for this coverage is established annually. Full information concerning this accident and sickness plan may be secured from the Dean of Students.

OTHER FEES AND EXPENSES

Application Fee	$15.00
Practice Teaching Fee	25.00
Special Course Fee (PED-132)	20.00
Late Registration Fee	10.00
Graduation Fee	40.00
Transcript Fee	3.00
Vehicle Registration Fee	20.00
Room Deposit	75.00
Special Examination Fee	15.00

TOTAL REGISTRATION FEES AND EXPENSES ARE DUE AND PAYABLE IN FULL ON OR BEFORE REGISTERING FOR EACH SEMESTER.

No student will be permitted to attend classes until all required fees are paid. Make all money orders and checks payable to Fayetteville State University, and mail to Vice Chancellor for Business Affairs, Fayetteville State University, Fayetteville, North Carolina 28301-4297.

THE UNIVERSITY RESERVES THE RIGHT TO CHANGE FEES AND EXPENSES WITHOUT PRIOR NOTICE TO THE STUDENT BODY AND GENERAL PUBLIC. HOWEVER, NOTIFICATION OF CHANGE WILL BE SENT WHENEVER POSSIBLE.

FINANCIAL AID

Fayetteville State University offers a varied student aid program to meet the financial needs of its students. All full-time and half-time students who meet the requirements of the University are eligible to apply for financial assistance, including freshman and transfer students.

COLLEGE WORK-STUDY PROGRAM

This program was initiated under the Economic Opportunity Act by the Federal Government to help assist students with their education expenses. Students who demonstrate financial need can obtain jobs in this program and earn a large portion of their educational costs.

CAMPUS WORK-AID PROGRAM

Work in this program is provided primarily on the basis of need. The amount of money earned varies according to the number of hours a student is permitted to work each semester. A student's work is limited to an average of 15 hours per week while classes are is session.

PELL GRANTS

The PELL Grant, formerly BEOG (Basic Educational Opportunity Grant), provides for the payment of grants to students attending eligible institutions of higher education and is intended to be the "Floor" of their financial aid package. The grant may not exceed one-half of the total amount it will cost the student to attend school. To be eligible for such grants., the student must be accepted or currently enrolled on at least half-time basis and making satisfactory progress toward graduation.

NORTH CAROLINA STUDENT INCENTIVE GRANT

Legal residents of North Carolina accepted for enrollment or enrolled full-time at the University may apply for the North Carolina Student Incentive Grant to help pay their educational expenses. The grant is based on the individual student's need and availability of resources and may not exceed $1500 per acaemic year. A currently enrolled student should be making satisfactory progress toward graduation.

SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT

These grants have been established by the Federal Government to assist students who otherwise might not be able to attend college. They are direct grants which the student is not required to repay. To qualify, students must exhibit financial need as well as promise of academic success. Such students must be accepted for enrollment on at least a half-time basis or must be currently enrolled and making satisfactory progress toward graduation.

MINORITY PRESENCE GRANTS

Under the Board of Governors general Minority Presence Grant Program, white students may be eligible for special financial assistance if they are residents of North Carolina, enrolled for at least three hours of degree-credit coursework, and demonstrate financial need.

AMERICAN INDIAN STUDENT LEGISLATIVE GRANT PROGRAM

To be considered for these funds, a student must be an individual who maintains cultural identification as an American Indian through membership in an Indian tribe recognized by the State of North Carolina or by the Federal Government or through other tribal affiliation or community recognition. The student must: (1) demonstrate financial need, (2) be a resident of the state by the definition used in determining residency for tuition purposes, (3) be enrolled at least half-time and (4) be enrolled in a program leading to a degree at a constituent institution of The University of North Carolina.

NATIONAL DIRECT STUDENT LOANS

These loans constitute a program for students who have been accepted for at least half-time enrollment or who are currently enrolled and needing financial assistance. The student must also be making satisfactory academic progress toward graduation. The student has an obligation to repay the loan with 5% interest within a ten-year period after graduation.

BING CROSBY YOUTH FUND STUDENT LOAN

Established in 1970 by the Bing Crosby Corporation, this loan is designed to help needy students who have successfully completed their freshman year to continue their education.

FEDERAL INSURED LOAN PROGRAM

This particular program, sometimes called the Guaranteed Student Loan Program, is designed to help students who need financial assistance while in college. The student must meet the requirements of the college he is attending or expects to attend and the requirements of the lending agency.

The Insured Loan Program is administered for residents of North Carolina by College Foundation, Incorporated, Raleigh, North Carolina.

Most states operate their own loan fund. In the event a student lives in a state which does not operate its own fund, he should write directly to United States Student aid Fund, Incorporated, 845 Third Avenue, New York, New York 10022, and request application and information concerning the Guaranteed Loan Fund for College Students.

VOCATIONAL REHABILITATION

Financial assistance for attending college is provided by the State of North Carolina for residents of North Carolina who are physically handicapped. For additional information write directly to the North Carolina Vocational Rehabilitation Division, State Department of Public Instruction, Raleigh, NC.

SCHOLARSHIPS AND AWARDS

The University seeks to develop and maintain high standards of scholarship among its students. The following are special awards and scholarships in recognition of outstanding scholastic achievement and service.

North Carolina State Scholarship

Scholarships are awarded to superior students on the basis of high rank in graduating class and high scores on the Scholastic Aptitude Test. The student must demonstrate need as determined by the Financial Aid Office.

Suther Scholarship

The scholarship is awarded from the C.M. and M.D. Suther Estate to a deserving student whose academic record places him/her in the top 25% of the high school graduating class. In the case of an upper-class student, an average of at least B (3.0) must be maintained. Awards are non-renewable and vary in amounts according to income available from the trust.

Other Scholarships

The University offers other scholarships for students who are superior in athletics, band and choir.

University Tuition Scholarship

A University based scholarship available to students with outstanding academic records. Students wishing to be considered for a University Tuition Scholarship must have an overall 3.5 GPA in their high school graduating class or be in the top 10% of their graduating class.

SATISFACTORY ACADEMIC PROGRESS POLICY

Any student who expects to receive any type of financial aid from Fayetteville State University must be eligible to return to school (without having been suspended for academic reasons) on a continuous basis. Any student who was suspended for academic reasons at the close of one semester will not be eligible to receive financial aid until that student has returned to the university, completed a semester of academic work satisfactorily and is eligible to return the semester immediately following. In addition, any student who has attempted the total number of hours required in his/her major is no longer eligible for financial aid. Any course failed or any class from which a student withdraws will be considered as attempted hours for financial aid purposes.

EXAMPLE: John Doe SS# 000-00-0000 Major: Math/Computer Science

Required Hrs.	Attempted Hrs.	Earned Hrs.	CCC	Quality	Pts.
124	130	119	119	238	2.00

In view of the hours attempted exceeding the number needed to complete this student's major, he is no longer eligible for financial aid.

STUDENT DEVELOPMENT

The broad objective of Student Development is to assist students in making the most effective use of the opportunities offered by the University. Specifically, the Student Development Program seeks to assist each student to develop spiritually, intellectually and socially by providing (a) opportunities in which every student learns to know and be known, and is understood and accepted as an individual by faculty and staff (b) group living experiences in which the student may move toward mature concepts of responsibility and freedom within the content of the community (c) a total environment conducive to the development of moral responsibility, health, self-reliance, emotional stability, knowledge and aesthetic appreciation.

VICE CHANCELLOR FOR STUDENT DEVELOPMENT

The general function of the Vice Chancellor for Student Development is to coordinate the total Student Developmental Program and to serve as the principal advisor to the Chancellor in all matters affecting the general welfare and total development of the students of the University. In this respect, the Vice Chancellor for Student Development works cooperatively with the Associate Deans, the Counselors, the Director of Financial Aid, the Director of Health Services, the Director of Career Planning and Placement, and the Director of the Student Center/Student Activities in areas that concern the student's total development.

ASSOCIATE DEAN FOR SPECIAL PROGRAMS AND STUDENT LIFE

This Associate Dean is responsible for the organization, implementation and ongoing evaluation of supportive programs in the Division of Student Development. These programs include Planning, Research, Administration; Foreign, Day, Graduate, Weekend and Handicapped Students. Such programs undergird and support the overall Student Development program at the University. The Associate Dean organizes, develops and interprets policies and procedures of the aforementioned programs within the philosophy, mission and parameters of Student Development. The Associate Dean is responsible for monitoring and evaluating these programs in a manner that should ensure that the activities involved will enhance and enrich the students' experiences, goals and objectives of Student Development. The Associate Dean is also assistant to the Vice Chancellor for Student Development.

OFFICE OF THE ASSOCIATE DEAN FOR RESIDENCE LIFE

The Associate Dean for Residence Life has the responsibility for the welfare of all students from the time of admission to the date of leaving either for graduation or withdrawal. The major areas of responsibility are administration, program coordinating, counseling of individuals and groups, and housing. This office makes recommendations for the development and implementation of University policies and interprets and applies rules and regulations. This office works closely with residence hall supervisiors and assistants, representatives of the Student Government Association, the Resident Assistance Association as well as groups and individuals, in planning and coordinating programs and activities.

COUNSELING CENTER

The Counseling Center at Fayetteville State University is designed to meet the developmental needs of all students currently enrolled at the University. The program is comprised of the following services: individual and group counseling, testing and test interpretation, and developmental programs. The program is administered by the Director of Counseling, who maintains a close relationship with all facets of student development in the delivery of services to students. Through the services offered in the Counseling Center students may receive professional help within the context of a completely confidential relationship for problems related to academic/scholastic needs, emotional and social concerns, and for those that are extremely personal in nature.

CEED PROGRAM

The Centers for the Enhancement of Educational Development (CEED) are academic reinforcement centers located in specific residence halls. Through the CEED's, students are provided tutorial assistance, study skills training and educational materials. Microcomputers, video cassettes, tape recorders and calculators are available for student use. The Centers are open 6:00 - 10:00 p.m. daily, and services are available to all students enrolled at Fayetteville State University.

COOPERATIVE EDUCATION PROGRAM

Cooperative Education is an educational program that integrates on-campus classroom study with off-campus work experience. Students enrolled in the Cooperative Education Program alternate between periods of study at the University and periods of employment with business, government and non-profit organizations. Through the Cooperative Education program, students are placed in jobs which relate to their major areas of study. The program is designed to assist students in self-confidence, maturity, and in making the transition from campus life to the world of work. The Cooperative Education Program is available to students who maintain a 2.0 cumulative grade point average, have full-time student status, and are in good standing with the university. Students receive academic credit, work experience, and a wage, while employed.

TESTING AND GUIDANCE

Individual and group testing is available through the Counseling Center's Office of Testing and Guidance. The testing office has the responsibility of organizing and administering individual and group tests for the University community. Available tests in clude individual intelligence tests, personality tests, and vocational interest inventories. Information concerning large group tests such as National Teacher Examination, Scholastic Aptitude Test, Miller Analogies Test, College Level Examination Program, Graduate Record Examination, Graduate Management Admission Test, Law School Admission Test, and University Placement Tests is also available.

VETERANS AFFAIRS

Veterans' Affairs is located in the Financial Aid Office under the direction of the Director of Financial Aid.

The G.I. Bill is designed to provide educational benefits for servicemen and women once they leave the military and enter civilian life. Students may be eligible for G.I. Bill benefits, if

(1) they received an honorable or general discharge from the Army, Navy, Marines, Air Force or Coast Guard;

(2) they served 181 days of continuous active duty (unless service was terminated by a service-connected disability).

The G.I. Bill is an entitlement program. The amount students receive each month depends on their course load and their number of dependents. Benefits must be used within 10 years of the date of discharge. The number of months of eligibility is determined by the number of months of service. This is based on 1½ months of benefits for each month of active duty up to a maximum of 45 months of benefits. A student must maintain satisfactory academic progress to continue receiving G.I. Bill benefits.

LIVING-LEARNING PROGRAM

The Living-Learning Program at Fayetteville State University is designed primarily for all students who live in the residence halls with the activities structured to take place in the halls, mainly during the evening hours. However, off campus students are encouraged to attend and participate in all activities. Living-Learning Program activities are designed to supplement or reinforce the students' social, emotional, physical, cultural and educational development and experiences, and to serve as an arm to the regular formal classroom setting. Activities, dramatic presentations and readings, liturgical inspirations, films and other educational media, and demonstrations are used.

INTERNATIONAL STUDENT SERVICES

The International Student Coordinator assists the international student in making a smoother transition to our cultural and educational setting. Any international student needing personal or educational assistance is encouraged to visit the Office of the Associate Dean for Special Programs and Student Life.

CAREER PLANNING AND PLACEMENT OFFICE

The major purpose of the Career Planning and Placement Office is to provide assistance to undergraduate students, graduate students and alumni of the University in planning for and moving into successful and rewarding careers. Assistance is also provided to those persons interested in continuing their education in graduate and/or professional schools.

Other aspects of the Career Planning and Placement Office include job recruitment, interviews, resume, and job application preparation and instructions on how the job search/interview process should be conducted. Students are encouraged to register with the Career Planning and Placement Office soon after enrollement and maintain frequent contact with office.

In order to provide the support and assistance needed during their attempt to secure a rewarding and meaningful career, it will be necessary and expected that all students establish an active file with the Career Planning and Placement Office. This file should include the following documents: (1) professional resume, (2) personal data form, (3) three letters of references, (4) all scholarly tests results, i.e. National Teachers Examination (NTE). Graduate Record Examination (GRE), Graduate Management Aptitude Test (GMAT), Millers Analogy Test (MAT), etc. and all information relative to the process of securing a career upon graduation.

STUDENT HEALTH SERVICES

Spaulding Infirmary is the center for Student Health Services at Fayetteville State University. The Infirmary is staffed by a physician and several experienced nurses.

Student Health Servies is operated exclusively for students who are currently enrolled. Student health fees are included in tuition, and there is no additional charge for services received in the Infirmary.

Treatment for minor illnesses and injuries is provided at the Infirmary. Students with major illnesses and injuries are referred to local clinics and hospitals. Also, certain highly specialized services (consultations, X-rays, lab procedures) not available at the Infirmary are rendered at appropriate costs/charges at local hospitals and clinics. The student is responsible for bills or charges not covered by the **Student Insurance Plan.** A verification of illness can be obtained from the Infirmary when the student reports to the Infirmary before missing the class. A student who has been ill at home and under the treatment of a doctor must get a statement of illness from the attending physician.

Insurance. the University has arranged for an accident and sickness insurance for students. The premium is included in each student's bill. Students who do not wish to be enrolled in the Student Group Insurance Plan must complete appropriate insurance waiver forms within five (5) working days from the date of their registration. This insurance waiver process must be completed at the office of the Associate Dean for Special Programs and Student Life. Brochures explaining the insurance plan are available at the Infirmary.

The University requires that all students submit a completed medical history form for inclusion in their medical files. Medical history forms are provided by the Infirmary. All medical information is confidential and is not divulged to anyone without the written consent of the student.

Transportation. Student Health Services does not provide transportation. It is the student's responsibility to get to the infirmary and other medical facilities for treatment.

Student Health Services is designed to serve students in the Infirmary and is not prepared to care for students elsewhere. **The Infirmary Staff does not make building calls.**

In order to give satisfactory service to each student, the Health Services staff desires the cooperation of all students in adhering to Health Services policies.

Any student who has a medical problem or questions regarding Student Health Services is invited to consult a member of the Infirmary staff.

HANDICAPPED STUDENT SERVICES

The University provides for the matriculation of all students without regard to sex, race, age, religion or handicap. The University continues to be sensitive to the identification of possible barriers to handicapped students and has as a priority the elimination of these barriers.

The University makes all reasonable accommodations to the particular limitations of the students or applicants for admission. In this connection, faculty members and other professionals working wih students are requested to assist in the identification of problem areas. Suggestions should be made to the Associate Dean for Special Programs and Student Life. In determining the extent of the accommodation obligations, the University will consider: (1) whether each accommodation is within the budget limitations; (2) whether the accommodation would impose an undue hardship on other students.

The University agrees to give the opportunity to all known handicapped students to participate in all University sponsored educational, recreational, and social activities.

DINING HALL/FOOD SERVICE

The Dining Hall operates approximately 245 days during the regular academic school year, and approximately 70 days during the two sessions of summer school. The hours of service represent a mutual agreement between the caterers and the University administration. Speical hours are arranged for extracurricular groups when their schedules do not permit them to take advantage of the regular hours.

All meals are served cafeteria style, with self-busing by the students. Occasionally, the evening meal may be served family style, with no change in contract price when mutually agreed upon by the caterers and the administration. Any deviations from these patterns will be at the discretion of the above parties.

RUDOLPH JONES STUDENT CENTER

The Student Center is a community center of the University for all the members of the University family. The Student Center is part of the educational program of the University and strives to satisfy the students' needs for new experiences, self-acceptance, self-expression and recognition.

The facilities in the Student Center are designed to accommodate student activities such as meetings, receptions, exhibits and student programs. The Center also houses a post office, campus bookstore, bowling alley, billiard room, TV lounge, a ballroom, lunch room, canteen, beauty parlor, Student Center staff, Student Government Association, yearbook, newspaper and lyceum offices, game room, card room and identification office.

STUDENT ACTIVITIES AND PROGRAMS

The University provides a balanced program of activities for moral, cultural, spiritual, and physical development of the students. Cultural, social and recreational activities are sponsored by various departments, committees and organizations of the University. In order that students may learn how to find wholesome and creative leisure time pursuits, they are encouraged to discover campus activities which fit their needs and interests. Every student is encouraged to participate in at least one activity provided by the University. Among these activities are the following:

The social program is planned so that students may have an opportunity to develop their personal, social and physical capacities. The calendar of special events is followed, including social affairs sponsored by the University, by faculty members and by student groups.

Outstanding artists, concerts, lectures and musicians, musicals, comedians, and dramatic productions are brought to the campus annually. In addition, students attend cultural and educational events sponsored by organizations in the community.

STUDENT ORGANIZATIONS

The purpose of these organizations is (1) to preserve institutional customs and traditions (2) to promote spirit (3) to encourage student initiative (4) to afford student development through self expression, self control and leadership (5) and to operate with the students and the administration in the regulation and promotion of student activities.

Authorized Campus Organizations are listed below:

Student Government Organizations

Cheerleaders
Class Organizations (4)
Day Student Association
Pep Club
Residence Hall Association

Fine Arts

Alpha Psi Omega (Drama Guild)
Concert Band
Gospel Choir
Marching Band
Modern Dance Group
University Choir

Intercollegiate Athletics

Basketball (Men & Women)
Football
Golf
Tennis
Track
Volleyball
Women's Softball

Service Organizations

Alpha Phi Omega Fraternity
Gamma Sigma Sigma
Veteran's Organization

Pre-Professional

Arnold Air Society
Art Club
Educators National Conference (Music)
Fellowship of Future Scientists
FSU Chemistry Club
History & Political Science Club
Student Accounting Association
National Collegiate Association for Secretaries
Phi Beta Lambda
Physical Education Majors Organization
Pre-Medical Club
Psychology Club
Social Science Club
Student National Education Association

Honor Societies

Alpha Kappa Mu
Beta Kappa Chi
Delta Mu Delta
Kappa Delta Pi
Pi Gamma Mu
Pi Omega Pi
Sigma Tau Delta
Who's Who Among Students in American Universities and Colleges

Fraternities & Sororities (Greek)

Alpha Kappa Alpha Sorority
Alpha Phi Alpha Fraternity
Delta Sigma Theta Sorority
Kappa Alpha Psi Fraternity
Omega Psi Phi Fraternity
Phi Beta Sigma Fraternity
Sigma Gamma Rho Sorority
Zeta Phi Beta Sorority

Social Fellowships

Cocoa Phi Cocoa
Groove Phi Groove
Iota Phi Theta
Tan Phi Cocoa

Other Organizations

Baptist Student Union
Collegiate Fellow
Congress on Non-Greek Organizations
Fellowship of Christian Students
Foreign Students
Future Alumni Association
Literary Society (FACETS)
Pan Hellenic Council
Voice (Newspaper)
Yearbook (Fayettevillian)
Young Democrats

Alpha Kappa Mu Honor Society

A chapter of Alpha Kappa Mu Honor Society was established at Fayetteville State University in 1940. The purpose of the organization is to promote scholastic excellence among the students of the institution. Election to membership in Alpha Kappa Mu offers a form of recognition to the individual scholar.

Below are the requirements of election to the Society:

1. A student must be of junior or senior classification.
2. He/she must have earned a minimum of 60 credits.
3. The scholastic average in terms of grade points must be 3.3 or more.

A transfer student is not eligible for membership in the organization until he/she has been in residence at the University for two semesters.

Who's Who Among Students in American Universities and Colleges

The requirements for election to Who's Who are as follows:

1. Junior or senior classification
2. Minimum academic scholarship of 3.0
3. Good moral character
4. Active participation in campus organizations
5. No previous election to Who's Who
6. At least one year of study at the University
7. Participation in community organizations

Intercollegiate Athletics

Intercollegiate athletics is a vital part of the educational system of Fayetteville State University. The program is designed to get the maximum effort from the student-athlete, both on the fields of play and in the classroom. It is further a program that seeks to entertain its public through participation with other colleges and universities, to develop a strong sense of school loyalty and pride, to maintain a high level of sportsmanship and team-work, and to serve as a rallying and focal point for University and community relations.

Intercollegiate athletics has as its objectives the following:

1. To create a competitive environment which is conducive to positive growth and total development of our student athletes.

2. To maximize the participation by students in activities related to intercollegiate athletics.

3. To assist young men and women who wish to choose athletic or athletic-related careers.

4. To provide assistance to those who need help academically.

5. To promote the type of programs that regularly rank high in the Central Intercollegiate Athletic Association (CIAA) and the National Collegiate Athletic Association (NCAA).

6. To build a program that yields sound financial position while providing the necessary resources for all University-sponsored programs.

The following sports are offered under the rules of the CIAA and NCAA:

1. Basketball (men & women)
2. Cheerleading (men & women)
3. Cross Country (men & women
4. Golf (men and/or women)
6. Softball (women only)
7. Tennis (men and/or women)
8. Track & Field (men & women)
9. Volleyball (women only)

All student athletes must maintain a high level of academic eligibility. He or she must pass a minimum of 24 hours per year and maintain a minimum of a 2.00 cumulative GPA or better. Failure to maintain these standards will result in immediate ineligibility and dismissal.

ACADEMIC REGULATIONS

The student will be guided by the catalogue that is in effect at the time of entrance and up to one year beyond the time he would be expected to graduate if he carried a normal load. If a student fails to graduate within this period, graduation will be governed by the catalogue that is current at the time of application for graduation.

If the student does not maintain continuous enrollment, with the exception of summer sessions, military hiatus, or serious illness, the student will be governed by the catalogue that is current at the time of readmission to the University.

Except under circumstances beyond the institution's control, curriculum changes which take place during a student's matriculation will alter only those courses that are on or above the level of classification, not those below the classification.

Students may choose to elect a catalogue which is current in lieu of the catalogue under which they were originally admitted; however, the student must complete all the requirements of that catalogue. The student may not combine the requirements for two or more catalogues.

Students are advised to thoroughly familiarize themselves with the regulations of the University. Students are solely responsible for complying with all regulations of the University, of their respective school/college, and the departments from which they take courses and fulfilling all requirements for their particular degree.

ACADEMIC RESIDENCE REQUIREMENTS

Transfer students from accredited senior institutions, technical institutes, junior and community colleges must fulfill requirements as follows:

SENIOR INSTITUTIONS

Applicants must complete a minimum of one academic year in residence at Fayetteville State University and accumulate a minimum of thirty (30) credits during that year, which must be the final year, and fulfill all curriculum requirements in order to qualify for graduation.

TECHNICAL INSTITUTES, JUNIOR, COMMUNITY COLLEGES, SENIOR INSTITUTIONS

Students of this category who attended a combination of post-secondary institutions must complete a minimum of sixty (60) credits with a senior institution. In order to be recommended for graduation, thirty (30) credits must be completed at Fayetteville State University during the senior year of residence and all curriculum requirements must be completed.

TECHNICAL INSTITUTES, JUNIOR AND SENIOR COLLEGES

Without exception, these transfer students will be required to complete a minimum of sixty (60) credits to include all curriculum requirements in order to be recommended for graduation. Courses taken by CLEP, Dantes, or courses for military experience (ACE) are not counted toward the (60) credit minimum requirement.

CLASSIFICATION OF STUDENTS

Students are classified at the time they are admitted to Fayetteville State University and at the end of each semester and summer session.

Freshman	-	To be classified as a freshman, a student must meet entrance requirements and must be enrolled in a regular schedule of properly approved courses. A student must have earned from 1-30 credits.
Sophmore	-	To be classified as a sophomore, a student must have earned between 31 and 60 credits.
Junior	-	To be classified as a junior, a student must have earned between 61-90 credits.
Senior	-	To be classified as a senior, a student must have earned 91 and above credits.
Regular Student	-	A regular student is one who has met all admission requirements and who is pursuing a degree program.
Full-Time Student	-	A full time student is one who registers for a minimum of 12 credits during a given semester.
Part-Time Student	-	A part time student is one who registers for fewer than 12 credits during a given semester.
Other Student	-	One who is not pursuing a degree program. This student may take a maximum of 19 credits per semester.

DISHONESTY IN ACADEMIC AFFAIRS

Every student is expected to maintain the highest standards of honorable conduct in academic matters. Reprehensible conduct or failure to comply with University regulations may result in a student's dismissal from a course or from the University at any time.

Non-disclosure or misrepresentation on applications and other University records will make a student liable for disciplinary action, including possible dismissal from the University.

ACADEMIC ADVISORS

Every student has, from the beginning of the freshman year, an assigned faculty advisor with whom consultations concerning curriculum planning, course registration, and other academic decisions must be made. Although the student is urged to make full use of the help the advisor can provide, the student is expected to read and understand the CATALOGUE and to accept the ultimate responsibility for the decisions made.

REGISTRATION

All students will register at the time designated by the Registrar. The student will have the opportunity to pre-register but final registration is dependent on both the payment of fees and processing of the student's packet through the Registrar's Office.

A student who registers after his designated final registration dates, either during the semester or during the Summer Session, must pay a late registration fee.

The courses for which a student is registered at the close of the Drop and Add Period will constitute the official registration. No student will receive credit for any course or courses for which he is not properly registered and will receive a letter grade of "FN" in all courses registered but not attended.

Fort Bragg students must register at the beginning of each term whether they attended the previous term or not. There is a period of late registration up until the second class meeting.

CHANGES IN REGISTRATION

After registration is complete, a student's registration may be altered during the Drop and Add period. The schedule is as follows:

A. Adding a course: A student may add a course only during the first week of class.

B. Dropping a class: A student may drop a class only during the first week of class.

C. A student may withdraw from a class through the first class week after mid-term week and receive a grade of "W".

D. A student may withdraw from the University up to two weeks prior to the beginning of final exams.

Students may not make additions to their registration after the day designated as the last day for filing program changes. Students who change their class schedules will be charged a fee of $1.00 per Drop and Add Form.

Fort Bragg Drop and Add: Changes in a student's registration may be made until the last day of the late registration.

At the close of late registration, the courses for which as student is registered constitute official registration and course load for that semester or term.

No student will receive credit for any course for which he is not properly registered.

REGISTERING FOR COURSES IN SEQUENCE

At each registration period, students should give priority to courses below their level of progress before registering for courses above. If a student refuses to register in conformity with this policy, neither advisor nor department chairman will sign the student's registration materials until the student has signed a statement assuming full responsibility for course sequence deviation.

1. Course number

2. Course description

3 . Semester or summer session involved

The statement is also signed by the student's advisor and is filed in the office of the student's department chairman.

Students who sign a course sequence deviation statement assume responsibilty for whatever difficulty, if any, they experience at any subsequent time in satisfying the requirements of the course(s) which they declined to pursue at the time they were advised to do so.

COURSE LOAD

The normal load for a regular student is the semester requirement as shown for his particular curriculum in the catalogue or the program as outlined by the respective departments or General Studies Program. Generally this will vary from twelve (12) to nineteen (19) credits.

Students may not register at another institution when in regular attendance at the University unless proper approval has been secured, in which case the hours taken will be considered a part of the normal load. In no case will a student be permitted to carry more than twenty-one (21) credits of work during a semester as 20 credits or above are considered an overload. Students who have a cumulative grade-point average of 3.00 and who wish extra hours should file an application with their department chairman. Upon the approval of the department chairman the application must be submitted to the Dean of the School/College for final action.

A student on academic probation or warning may not register for more than (13) credits during the semester he is on probation or warning.

The normal load for a Fort Bragg student is six credits per term as shown for his particular curriculum in the catalogue. Generally, normal load varies from a minimum of three to a maximum of nine credits per term.

AUDITING OF COURSES

A student who wishes to audit a course must register as an auditing student and pay the required fees. Audited courses carry no credit and no grade is given. Once a student is registered for "audit," he will not be permitted to change to "Credit" after the first week of classes. Conversely, a student registered for credit will not be permitted to change to"audit" after the first week of classes.

GRADING SYSTEM AND GRADE POINTS

The University grades on a four point system. When all course requirements have been completed, normally at the end of each semester and at the end of each summer session, each student is assigned a grade for each course in which he is officially enrolled. The grade assigned represents the quality of work the student has done during the semester. Letter grades are assigned, and each one has a numerical equivalent and grade-point value as shown below.

Fayetteville State University takes the position that grades represent the level of proficiency which a student exhibits in courses. A grade should, therefore, be a positive indication of the degree of mastery in a course.

1. Grading Symbols

A	=	92-100
B	=	83-91
C	=	73-82
D	=	64-72
F	=	Failure (Academic Failure)
FN	=	Failure (Due to Absences)
I	=	Incomplete
W	=	Withdrawal from a Course
WU	=	Withdrawal from the University
R	=	Recycle
S	=	Satisfactory (for Non-Credit Course)
U	=	Unsatisfactory (for Non-Credit Course)
P	=	Satisfactory (for Credit Course)
NP	=	Unsatisfactory (for Credit Course)

2. Calculations

A	=	4 quality points per credit
B	=	3 quality points per credit
C	=	2 quality points per credit
D	=	1 quality point per credit
F	=	O quality point per credit (Included in calculations of credit hours attempted)
FN	=	O quality point per credit (Included in calculations of credit hours attempted)

3. Special Calculations

P	=	This grade, at present, is used only for EDU 211, GST 100, 101, RDG 108 and 109. The credits will be added to the student's overall total, but will not be used in the computation of the GPA.
NP	=	This grade, at present, is used only for EDU211, GST 100, 101, RDG 108 and 109. The credits will not be added to the student's overall total and will not be used in the computation of the GPA. These credits are added to the "Credit Hours Attempted."
W/WU	=	These grades carry no credits earned and no quality points earned in the compation of the GPA, but are added to the "Credit Hours Attempted."

CUMULATIVE GRADE POINT AVERAGE

The cumulative grade point average is determined by dividing the total number of grade points earned by the total number of credits earned for GPA computation.

However, if a course has been repeated, only the higher of the two grades will be used in the computation of the GPA. Each attempt is recorded on the transcript.

Grade point calculations are made at the close of each term and/or semester.

Grade points are computed by multiplying the number of credits by 4 for courses in which a grade of "A" is earned; by 3 for a grade of "B"; by 2 for a grade of "C" and 1 for a grade of "D". A student who earned grades as follows for a given semester would earn the grade point and grade point average indicated.

Course	Grade	Credit	Grade Point
ENG 110	B	3	9
AST 111	C	4	8
MAT 111	D	3	3
PHL 210	A	3	12
PED 101	A	1	4
		14	36

To calculate the cumulative grade point average, divide the total number of grade points by the total number of credits earned for GPA computation. (36 ÷ 14 = 2.57).

INCOMPLETE GRADES

A grade of "I" is assigned when a student has maintained a passing average, but for reasons beyond his control, he has not completed some specific course requirement(s) such as a report, field experience, experiment, or final exam. The "I" grade must be removed before the expiration of the first nine weeks of the students's next semester of residence. Failure to remove the "I" within the stipulated time will cause it to convert to a grade of "F." It is the student's responsibility to initiate action to remove it.

At Fort Bragg the "I" must be removed before the end of the next term in which the student is enrolled or within one year from the end of the term in which the grade was assigned, whichever period is shorter.

COURSE SUBSTITUTION

Only under exceptional circumstances will substitution for or exemption from the prescribed curricula be permitted. To substitute or waive a course, chairman of the department in which a student is seeking a degree must submit a request on the appropriate form to the Dean of the College/School for final action. The request must set forth the circumstances which seem to justify the substitution or waiver. All substitutions or waivers must be academic in nature and must be academically defensible.

CHANGING A GRADE

Once a grade has been assigned and submitted to the Office of the Registrar, only a grade of "I" may be changed without the recommendation of the department chairman, the endorsement of the Dean of the College/School, and of the Provost and Vice Chancellor for Academic Affairs.

Approval to change a grade of "A," "B," "C," "D," "F," or "FN" will be granted only when the teacher requesting to make the change unequivocally substantiates in writing and by presenting supporting evidence what the grade in question should be as it relates to the grading system which the teacher has placed on file. The teacher's class record and all requirements included in the evaluation of the student's performance must be presented for review. This must be done before the student's next semester in residence following the assigning of the grade .

A student who wishes to challenge a grade for the purpose of having it changed must do so in writing within the first nine weeks (four weeks at the Fort Bragg Center) of the next semester or term following the semester or term for which the grade was assigned.

IMPROVING GRADE

With the exception of professional education courses (EDU) and physical education courses for physical education majors, a grade of "D" earned in a student's major is counted provided the student's average in the discipline in which the "D" is earned is "C" or higher. If only one course is required in the discipline, a student who makes a grade of "D" must repeat the course and earn a grade of "C" or above.

To satisfy requirements in professional education courses, a student cannot make a grade of less than "C."

Except where a minimum grade of "C" is required in a course, a student may repeat a course in which he has earned a passing grade only once. The higher of the two grades will be used in computing the student's grade point average. The credits the course yields will be counted only once toward the minimum of 120 credits required for graduation. (Repeated course will stay on transcript.)

MAJORS AND MINORS

Every candidate for a degree is required to select a major field of interest and, where applicable, a minor field of interest. Once a field of specialization has been chosen and a student has pursued courses in that field, it may be expected that a change in specialization will result in a loss of time in meeting graduation requirements. Therefore, students are advised to take advantage of the educational guidance given by advisors and administrative officers as they must have a major field of concentration and a minor where applicable.

DECLARING A MAJOR AND MINOR

All regular students must officially declare a major and, if applicable, a minor field of study during the second nine weeks of the second semester of their freshman year. To declare a major and minor, the student must secure the necessary form from the Office of the Dean of the College or School. The form must be completed and returned to the office before the termination date for declaring a major.

Students who transfer to the University as sophomores or above must declare their majors upon admission.

CHANGING THE MAJOR AND MINOR

In order to change one's major once it has been declared, one must obtain the form and signature of the chairman of the department in which a major is to be declared and the signature of the chairman of the department in which a major was last declared. Subsequent to the obtaining of these signatures, the form is presented to the office of the Dean of the College/School under which the student's new major is housed. The Dean will file a copy of the approved form in the Office of the Registrar.

If one desires to change his minor only, one negotiates the change with the department chairman of his major field of study. The department head will file the change with the Office of the Registrar and the Office of the Dean.

CLASS ENROLLMENT

During any semester or summer session, the University reserves the right to discontinue any class in which the enrollment is not sufficient to make it economically feasible to offer the course.

CLASS ATTENDANCE

The University is committed to the principle that regular and punctual class attendance is essential to the students' optimum scholastic achievement. Students are required to attend all classes regularly and to keep appointments when they are scheduled. It is the responsiblity of each student to take examinations at the time prescribed by the instructor and to turn in all assignments when they are due. An absence, excused or unexcused, does not relieve the student of any course requirement. Faculty will count class attendance from the first day that instruction begins.

Unexcused Absences. Unexcused absences may not exceed the number of credit hours of the course plus one (1). If absences in excess of this number occur, for each additional unexcused absence, two (2%) will be subtracted from the numerical total upon which the final semester grade is calculated.

Excused Absences. Excused absences may be granted to students for participation in University authorized activities, illness or injury, unexpected personal emergencies, special military requirements and late registration. Approval authority for excused absences is the Office of the Provost and Vice Chancellor for Academic Affairs.

Requests must be supported by appropriate documention (i.e., notification of participation in University activities by responsible University official, verification of military duty by appropriate military officer, verification of medical excuse by appropriate medical authorities). Requests for excused absences must be made prior to the absence or within one week after the student returns to the campus from that absence.

EXAMINATIONS

During the semester, periodic examinations are administered at times deemed appropriate by the instructor. At the mid-term and at the close of each semester, comprehensive course examinations are administered.

Since a measure of the student's progress in a given course is indicated by his performance on these comprehensive examinations, they are required of all students except the following: (1) Students who are auditing courses are not required to take examinations. (2) Students who have maintained a 4.0 average in a given course during a given semester may, at the discretion of the instructor, be excused from the comprehensive examination at the close of the semester if he has been substantially evaluated at least five times during the semester.

Any student not present at an officially scheduled final comprehensive exam will be considered as having failed that part of the course work unless a deferred examination is approved. A student who wishes a deferred examination must furnish the Office of the Provost and Vice Chancellor for Academic Affairs, no later than twenty-four hours after the scheduled exam, valid support for the request. If granted, the student must take the exam within nine weeks of the succeeding semester. It is the student's responsiblity to request the instructor involved to administer the examination. A fee of $5.00 will be charged for each deferred examination.

CREDIT BY EXAMINATION

Students who wish to receive credit for courses for which they feel they have the necessary expertise may request to take the course by examination. The student will present in writing to the department chairman in the area in which the exam is to be taken sufficient evidence to warrant the exam. If acceptable, the department will request approval through the dean and provost and construct a test. The results will be forwarded through the Dean to the Registrar's Office with the appropriate grade.

Permission for the examination will be given only in those instances in which the student has already gained a fundamental knowledge of the subject through prior preparation or experience (not including a foreign language which is the applicant's native tongue) or where the course is critically needed for graduation.

A course may not be challenged by examination if it has been audited or taken for credit or credit for a higher numbered or subsequent course in the same field has been received.

The student may challenge by examination a specific course only one time.

The student who is a candidate for the Associate of Arts degree may challenge no more than six credits. The candidates for the baccalaureate degree may challenge no more than nine credits.

STUDY AT ANOTHER INSTITUTION

There are two policies which govern transfer credit. One relates to students who apply to transfer from another institution to Fayettville State Unversity. The other is concerned with regular Fayetteville State University students who request to pursue credits at another institution to be transferred to Fayetteville State University. The policy which governs credits of transfer students is found under "Admission of Transfer Students." The policy governing regular students is as follows: (1) The student submits to his department chairman a request to pursue study at another institution. If the department chairman approves the request, he submits a written recommendation to the Dean of the College/School.

The recommendation must include the name of the institution the student wishes to attend, the catalogue number and title of the course(s) and description of the course the student wishes to pursue; (2) the course, by number and title, in the Fayetteville State University curriculum for which the course(s) the student wishes to pursue will substitute (3) a statement denoting whether the school that the student wishes to attend is accredited by its regional accrediting agency; (4) an explanatory statement regarding the reason the student wishes to take credits elsewhere; (5) the student's cumulative grade point average and his grade point average the preceding semester; and (6) the number of credits which the student has accumulated.

Upon the approval of Dean of the College/School, the request will be presented to the Office of the Provost and Vice Chancellor for Academic Affair for final approval. The Dean of the College/School will notify the department chairman and the student of the final action. Should the final action be in the affirmative, the Office of the Registrar will also be notified.

Regular Fayetteville State University students who have accumulated 60 or more credits and who wish to take courses at another institution to be transferred to Fayetteville State University must pursue credit at an accredited senior college. In order for the credits earned to be accepted, the student must earn a grade of"C" or above. Only the credits earned will be transferred. Grades will not be transferred nor used in the computation of the student's cumulative grade point average.

NUMBER OF HOURS AT ANOTHER INSTITUTION

In view of consortia and inter-institutional study programs to which the University subscribes, a student in residence at the University will be permitted to plan his program to include study at another institution. The number of hours which may be earned will be individually determined by the department chairman and the student with the approval of the Dean of the College/School and the Provost and Vice Chancellor for Academic Affairs.

MAINTAINING STANDARDS

The University reserves the right to request the withdrawal of a student at any time if (1) the student's conduct is judged to be undesirable (2) the student persistently disregards the rules and regulations of the University (3) the student fails to maintain an acceptable standard of work, and (4) the student's mental or physical health precludes his/her making satisfactory academic progress or is detrimental to others.

SCHOLARSHIP STANDARDS

Every student is expected to earn a grade point average of at least 2.00 each semester or two consecutive terms in attendance. Any student who fails to make the minimum cumulative average at the close of a semester is placed on Warning, Academic Probation, or Suspension. A student who is placed on Academic Suspension may, after sitting out one semester, apply for readmission to the University. If readmitted, the student will be subject to the rules covering Academic Probation which permit a student to carry a maximum load of thirteen (13) credits per semester or six (6) credits per term. If a student is suspended for a second time, he/she will be permitted to attend summer sessions only until the "Suspension Status" has been removed.

DEAN'S LIST

Students who earn a minimum cumulative grade point average of 3.2 or better with the successful completion of at least twelve (12) credits are given the distinction of being placed on the Dean's List.

PROBATION AND SUSPENSION STANDARDS

Minimum scholastic standards are calculated and issued to the student at the end of each semester and at the end of each summer session, and at the Fort Bragg Center it is done at the conclusion of each term. Minimum scholastic requirements for students at FSU are as follows:

Credit Hours	Warning	Probation	Suspension
1-26	1.99	1.00	
27-38	1.99	1.60	1.30
39-50	1.99	1.70	1.45
51-62	1.99	1.85	1.60
63-74	1.99	1.90	1.70
75-86	1.99	1.95	1.80
87-99		1.99	1.90
100			1.99

APPEAL PROCEDURE

Any student who feels that he/she has justification, by virtue of special and/or unusual circumstances, to seek exemption from an academic probation or retention regulation may appeal to the Admission. Registration and Retention Committee for relief. The appeal must be filed in writing to the Committee through the Office of the Provost. The Committee's decision will be submitted in writing to the Office of the Provost and Vice Chancellor for Academic Affairs.

WITHDRAWAL FROM THE UNIVERSITY

A student who desires to withdraw from the University at any time following the completion of registration must make formal application for withdrawal to the Office of the Associate Dean of Students. This office will secure the consent of the parent or guardian before withdrawal is granted, provided the student is under 18 years of age. The withdrawal form, when presented to the cashier, will entitle the student to the appropriate refund of fees. The official date of withdrawal (for purposes of computing charges and grades) will be the date the Registrar receives the request for withdrawal, not the date of the writing. Students who do not comply with the withdrawal regulations set forth herein will not be granted honorable dismissals, and under no conditions will any fees be refunded. The University reserves the right to wait 30 days before making cash refunds.

After completing registration, a student who wishes to leave the University must withdraw officially because he/she is registered in all courses shown on his/her registration materials until the semester or summer session ends, or he/she withdraws. A student may withdraw from the University up to two weeks prior to the beginning of final exams.

COMMENCEMENT

Commencement Exercises are held at the close of each school year, at which time degrees are officially conferred. Candidates who complete graduation requirements after the regular Commencement Exercises will be awarded degrees at the next regular commencement.

Candidates for degrees are required to participate in Commencement Exercises, unless excused by the Chancellor. A candidate who requests to be excused by the Chancellor is required to present, in writing, valid support for his request.

GRADUATION WITH DISTINCTION

Baccalaureate graduates may be awarded with the following honors:

Summa Cum Laude	:	To those having a scholastic average of 3.8
Magna Cum Laude	:	To those having a scholastic average of 3.5
Cum Laude	:	To those having a scholastic average of 3.2

For the honor of Summa Cum Laude, the student must have spent three years in residence and have completed a minimum of 90 credits at the University. To qualify for either Cum Laude or Magna Cum Laude honors, the students must have completed a minimum of 45 credits at the University.

APPLICATION FOR GRADUATION

A prospective graduate must make application with the Office of the Registrar to become a candidate for graduation no later than the date set forth in the University Calendar for filing applications for graduation. The University assumes no responsibility for making special adjustments for students who fail to file applications by the designated date.

A candidate who fails to file an application for graduation or meet graduation requirements by the designated date for each, automatically voids his candidacy for that particular graduation.

GRADUATION REQUIREMENTS

The Bachelor of Arts degree will be conferred upon students who completely satisfy their curriculum requirements with a minimum of 120 credits of course work with a cumulative grade point average of 2.0 or higher.

The Bachelor of Science degree will be conferred upon those who completely satisfy their curriculum requirements with a minimum of 120 credits of course work with a cumulative grade point average of at least 2.0. or higher.

All applicants for a baccalaureate degree must complete a minimum of one year of residence study, to include thirty (30) credits of course work.

It is understood that a student's senior year of study must be done in residence unless special permission to do it elsewhere is recommended by the Department Head, endorsed by the Dean of College/School and approved by the Office of the Provost and Vice Chancelor for Academic Affairs.

The senior year in residence includes the semester and summer session immediately preceding graduation.

The Associate of Arts degree will be conferred upon those candidates who completely satisfy their curriculum requirements with a minimum of sixty (60)credits of course work with a cumulative grade-point average of at least 2.0.

An applicant for an Associate of Arts degree must complete a minimum of one semester of residence study at Fayetteville State University, including fifteen (15) credits of course work.

TRANSCRIPT OF ACADEMIC RECORDS

Only upon the student's written request will the University release a transcript or any other information from an academic record. The first transcript will be released free of charge. A fee of $3.00 will be charged for each additional transcript. Requests for transcripts should be sent to:

Office of the Registrar
Fayetteville State University
Fayetteville, North Carolina 28301-4297

INDEBTEDNESS TO THE UNIVERSITY

The University will not confer a degree upon, issue a diploma to, release a transcript, or release grades for a student who has an unsettled account with the University. Recommendations for teacher certification will be withheld until a satisfactory settlement of the student's account is made.

DIVISION OF GENERAL STUDIES

Project Student Retention

Project Student Retention is part of the University's Title III Special Needs Program. Funded by the United States Department of Education, the program reinforces the general studies course of study by supplementing developmental studies.

Reinforcement is provided in the form of curriculum materials, equipment, personnel, faculty and staff development, and educational supplies. Additionally, a Micro Computing Center and a Content Area Reading Center were established under the sponsorship of the Title III Program.

The Reading Program

The Reading Program aims to provide developmental reading experiences that will help improve the reading skills which students already possess as well as remedy and/or eliminate any deficits the students may have through regular classroom activities and individualization through their reading laboratory experiences.

The areas of reading that are stressed are word attack skills, vocabulary development, speed, accuracy and comprehension. The reading program also includes a Content Area Reading Component that faculty may use to get reinforcement in applying content reading techniques and strategies in the classes they teach. Students who experience difficulty mastering the reading requirements of their content reading courses may come to the Center to obtain the asistance they need.

Policies and Procedures For College Reading

1. All new degree seeking students (i.e., first-time freshmen and transfers) are required to take a standardized reading test.

   A. Those students scoring less than 11.3 on the placement test will be placed in one of three reading courses: RDG 108, RDG 109, and RDG 110.

   B. Upon instructor recommendation a student may move from RDG 108 into 109 or RDG 109 or RDG 110. Likewise a student may move from RDG 109 into RDG 110.

   C. Students who are not initially placed in RDG 110 must follow the logical sequence (RDG 108-109, RDG 109-110). Thus, all reading courses should be completed during the first 3 semesters at the University.

   D. Students who require the placement examination may receive credit for college reading if they score 11.3 or above on the selected test. The student must register this request with the Director of Testing. This course will appear on the transcript with a "P" grade.

Academic Advisement and Counseling Unit

The Division through its Academic Advisement and Counseling Unit, seeks to promote development of the "whole person." Services focus on all aspects of student life with special attention directed to the educational needs of first and second year students.

Early Warning System

Purpose: This system is designed to reduce the number of students who withdraw from the university. It is expected that whenever students experience serious difficulties (whether they are personal, social or academic) that interfere with academic achievement in the classroom, those students will be referred to their academic advisors, who will mobilize as many University resources as possible to assist the student in overcoming the problem.

English and Writing Center

The English and Writing Center provides tutoring in English and Writing. Open five days a week, from 8:00 a.m. - 5:00 p.m., the English and Writing Center administers diagnostic tests in usage and writing and plans students' programs based on test scores. Instructional modes include one-on-one tutoring, small group sessions, cassettes and filmstrips, worksheets, and textbooks.

The Mathematics and Micro-Computing Center

The primary mission of the Mathematics Center of the Division of General Studies is to correct those deficiencies in mathematics of new and entering freshman students who have been identified through testing as having serious deficiencies in basic mathematical skills. The Micro-Computing Center is available for students who wish to work independently on a number of skills stored on diskettes housed in the Center.

General Studies Honors Program

The Division of General Studies has implemented an Honors Program for gifted and talented students who would like to have intellectual stimulation and challenge beyond that which is traditionally found in the University's General Education Courses. Rewards and advantages for participating in this program should contact the Head of the Division of General Studies on the second floor of the Butler Learning Center.

Freshman Orientation

The Orientation Program at Fayetteville State University is designed to acquaint students with different programs and offices on campus and policies and procedures of this University. This program attempts to guide new students in developing adequate study habits, skills, attitudes, and career goals. Transfer students who transfer forty-five (45) credits or more are exempted from orientation.

Curriculum Requirements

All students are required to earn a minimum of forty-four (44) credits in General Studies. Although freshmen may indicate a major, a major is not formally declared until at least three semesters of study are completed. The student is then transferred to the department in which he or she plans to major.

GENERAL STUDIES CORE CURRICULUM

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
Science Requirement*	3-4	Science Requirement*	3-4
MAT 111 Quan & Anal Think, or		MAT 112 Quan & Anal Think, or	
MAT 123 College Algebra	3	MAT 124 College Trigonometry I	3
ENG 101 Basic Grammar ★ ★	3	ENG 110 English Composition I	3
HIS 100 Social Institutions	3	HIS 110 World History to 1600	3
PED Physical Education	1	HED 112 Personal Hygiene	2
RDG 110 Read for Coll Students	3		15-16
	17-18		

SOPHOMORE YEAR

ENG 120 English Composition II	3	SPE 200 Intro to Speech	3
General Studies Requirement	3	General Studies Requirement	3
	6		6

ACADEMIC CURRICULUM

There are three major undergraduate academic divisions at Fayetteville State University: the College of Arts and Sciences, the School of Business and Economis and the School of Education. They are listed below with their respective departments.

COLLEGE OF ARTS AND SCIENCES

Department of Behavioral Sciences

Department of Communications and Foreign Languages

Department of Humanities and Fine Arts

Department of Life Sciences

Department of Mathematics and Computer Science

Department of Physical and Earth Sciences

Department of Social Sciences

Department of Military Science

SCHOOL OF BUSINESS AND ECONOMICS

Department of Business Administration

Department of Business Education and Administrative Services

Department of Economics

SCHOOL OF EDUCATION

Department of Curriculum and Instruction

Department of Health, Physical Education and Human Services

Department of Reading Education

DIVISION OF GENERAL STUDIES

Elective Choices

INDEX OF DEGREES

Bachelor of Arts: Non-Teaching Degrees
- Chemistry
- English
- Geography
- History
- Political Science
- Political Science-Police Science
- Policical Science-Public Administration
- Sociology
- Speech and Theater-Theater
- Speech and Theater-Speech
- Visual Arts

Bachelor of Science: Teaching Degrees
- Biology
- Business Education (Basic)
- Business Education (Comprehensive)
- Early Childhood Education (K-4)
- English
- Intermediate Education (4-6)
- Marketing and Distributive Education
- Mathematics
- Music Education-Instrumental
- Music Education-Keyboard
- Music Education-Voice
- Physical Education
- Reading Education
- Social Sciences Education-History
- Social Sciences Education-Political Science
- Social Sciences Education-Sociology

Bachelor of Science: Non-Teaching Degrees
- Accounting
- Biology
- Business Administration
- Chemistry
- Criminal Justice
- Economics
- Mathematics
- Mathematics-Computer Science
- Medical Technology (B.S.M.T.)
- Office Administration
- Psychology

Master of Arts
- Business Administration
- Elementary Education
- Educational Administration and Supervision
- Special Education

Associate of Arts
- Art
- Biology
- Business Administration
- Chemistry
- Criminal Justice
- Early Childhood Education
- English
- French
- General Education
- General Education for Prospective Biology Majors
- General Education for Prospective Chemistry Majors
- Geography
- German
- History
- Intermediate Education
- Mathematics
- Mathematics (Computer Science Concentration)
- Music Education
- Police Science
- Political Science
- Psychology
- Public Administration
- Secretarial Science
- Sociology
- Spanish

COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences degree programs provide instruction, training and experiences in the broad fields of arts and sciences. The programs are structured to provide the students with a fundamental knowledge of the world and ways and means of coping with the environments. Specifically, students may pursue studies in the behavioral sciences, communication and foreign languages, humanities and fine arts, life sciences, mathematics and computer science, physical and earth sciences, and social sciences.

The College also offers the aerospace studies program. This program does not offer a degree, but does train and prepare students for active duty as Air Force officers.

DEGREES OFFERED

Biology	(Non-Teaching)
Biology	(Teaching)
Chemistry	(Non-Teaching)
Chemistry	(Non-Teaching)
Criminal Justice	(Non-Teaching)
English Language and Literature	(Teaching)
English Language and Literature	(Non-Teaching)
Geography	(Non-Teaching)
Mathematics	(Teaching)
History	(Non-Teaching)
Mathematics	(Non-Teaching)
Mathematics Concentration in Computer Science	(Non-Teaching)
Medical Technology	(Non-Teaching)
Music Education-Instrumental	(Teaching)
Music Education-Keyboard	(Teaching)
Music Education-Voice	(Teaching)
Political Science - Police Science Track	(Non-Teaching)
Political Science - Public Administration Track	(Non-Teaching)
Political Science	(Non-Teaching)
Psychology	(Non-Teaching)
Sociology	(Non-Teaching)
Social Sciences Education Concentration in Sociology	(Teaching)
Social Sciences Education Concentration in History	(Teaching)
Social Sciences Education Concentration in Political History	(Teaching)
Visual Arts	(Non-Teaching)
Speech and Theater Concentration in Theatre	(Non-Teaching)
Speech and Theater Concentration in Speech	(Non-Teaching)

DEPARTMENT OF BEHAVIORAL SCIENCES

DEGREES OFFERED

Psychology..... A.A., B.S.
Social Sciences Education..... B.S.
Sociology..... A.A., B.A

PROGRAMS

Included in the Department of Behavioral Sciences are the following bachelor programs: Psychology (non-teaching), Social Sciences Education - concentration in Sociology (teaching), Sociology (non-teaching). Associate programs are offered in Psychology and Sociology. Minors are offered in all the disciplines in the Department.

PROGRAM REQUIREMENTS

BACHELOR OF SCIENCE IN PSYCHOLOGY (NON-TEACHING)

General Studies Core Curriculum Credits..... 42-46 credits

Major Course Credits.....

Discipline..... 39 credits

PSY 210 General Psychology	3
PSY 220 Principles of Behavior	3
PSY 231 Descriptive Statistics	3
PSY 232 Inferential Statistics	3
PSY 320 Learning and Motivation	3
PSY 370 Biological Foundations of Behavior	3
PSY 450 Experimental Psychology	3
Psychology Electives	18

Minor Course Credits.....

A. Psychology Majors..... 18 credits

All psychology majors are encouraged to have a minor. The minor may be in any area but majors are encouraged to minor in the following areas: Sociology, Social Work, Political Science, Mathematics, Criminal Justice, or any of the physical and earth sciences.

B. Non-Psychology Majors..... 18 credits

PSY 210 General Psychology	3
PSY 290 Psychology of Personal Adjustments	3
Credits selected from any of the psychology courses	12

Elective..... 36 credits

Free Electives	18

If no minor is selected the student will have 36 credits free electives.

Other Requirements.....

There are no special admission requirements for the psychology program. Any student may obtain a major. Students majoring in the program must maintain a "C" average in all psychology courses for graduation. He/she must also maintain a "C" average in all other University courses in order to graduate. A minimum of 120 credit hours is needed for graduation.

PSYCHOLOGY
(NON-TEACHING)

B.S. Degree (121-122 credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
RDG 110 Read. for College Students	3	HED 112 Personal Hygiene	2
PED Physical Education	1	HIS 110 World History to 1600	3
ENG 110 English Composition I*	3	ENG 120 English Composition II	3
HIS 110 Social Institutions	3	MAT 112 Quan. & Anal. Think. OR	
MAT 111 Quan. & Anal. Think. OR		MAT 124 College Trigonometry	3
MAT 123 College Algebra	3	Science Elective	3-4
Science Elective	3-4		15-16
	17-18		

SOPHOMORE YEAR

PSY 210 General Psychology	3	SPE 200 Introduction to Speech	3
General Studies Requirement	3	General Studies Requirement	3
PSY 231 Descriptive Statistics	3	PSY 232 Statistical Inference	3
Elective or Minor	3	PSY 220 Principles of Behavior	3
	12	Elective or Minor	3
			15

JUNIOR YEAR

PSY 320 Learning & Motivation	3	PSY Elective	9
PSY 370 Biological Foundations	3	Elective or Minor	6
PSY Elective	3		15
Elective or Minor	6		
	15		

SENIOR YEAR

PSY Elective	6	PSY 450 Experimental Psych	4
Elective or Minor	9	Elective or Minor	9
	15		13

PROGRAM REQUIREMENTS

BACHELOR OF SCIENCE IN SOCIAL SCIENCES EDUCATION
CONCENTRATION IN SOCIOLOGY
(TEACHING)

General Studies Core Curriculum Credits ..... 45-46 credits

Major Courses .....

A. Discipline ..... 33 credits

HIS 120 World history Since 1600	3
HIS 211 The U.S. to 1865	3
HIS 212 The U.S. Since 1865	3
HIS 311 Modern European History, 1648-1815	3
HIS 312 Modern European History, 1815-Present	3
HIS Elective	3
GGY 210 Principles of Geography	3

*Students will be placed in ENG 101 or ENG 110 based on the results of the English placement test.

SOC 210 Principles of Sociology	3
POL 210 Principles of American Government	3
ECO 200 Basic Economics	3
ANT 210 Introduction to Anthropology	3

B. Professional Education..... 25 credits

EDU 211 Laboratory Experience in Area Schools	1
EDU 310 Foundations of Education	3
RDG 320 Teaching Reading in Secondary Schools	3
EDU 330 Educational Psychology and Measurement	3
EDU 340 Human Development	3
EDU 421 Principles of Secondary Education	3
EDU 460 Method and Materials in Secondary Schools - Social Studies	3
EDU 480 Student Teaching in the Secondary School	6

Minor Course Credit..... N/A

Concentration Course Credits..... 25 credits

SOC 311 Culture and Personality	3
SOC 331 Social Statistics	3
SOC 340 Crime and Delinquency	3
SOC 342 Minorities	3
SOC 352 Social Stratification	3
SOC 411 Social Research Methods	3
SOC 431 Sociological Theory	3
SOC Elective	3

Elective..... N/A

Other Requirements.....

A student must maintain a "C" (2.00) average in all sociology courses as well as an overall "C" Average for the University in order to graduate.

All students must successfully complete Core Batteries I and II of the National Teachers Examination for admission into the Teacher Education program and Core Battery III for teacher certification.

Curriculum Requirements for Bachelor of Science in Social Science Education (Teaching)..... 127-128 credits

SOCIAL SCIENCES EDUCATION CONCENTRATION IN SOCIOLOGY (TEACHING)

B.S. Degree (127-128 credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
Science Requirement	3-4	HIS 110 World History to 1600	3

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
MAT 111 Quan. & Anal. Thinking	3	Science Requirement	3-4
ENG 101 Basic Grammer*	3	MAT 112 Quan. & Anal. Thinking	3
HIS 100 Social Institutions	3	ENG 110 English Composition 1	3
PED Physical Education	1	HED 112 Personal Hygiene	2
RDG 110 Read. for College Students	3		15
	17-18		

SOPHOMORE YEAR

ENG 120 English Composition II	3	HIS 212 The U.S. Since 1865	3
SOC 210 Principles of Sociology	3	ANT 210 Intro. to Anthropology	3
ECO 200 Basic Economics	3	GGY 210 Principles of Geography	3
HIS 120 World History Since 1600	3	POL 210 Prin. of American Govt.	3
General Studies Requirement	3	General Studies Requirement	3
HIS 211 The U.S. to 1865	3		15
EDU 211 Lab. Exper. Area Schools	1		
	19		

JUNIOR YEAR

SPE 200 Introduction to Speech	3	SOC 331 Social Statistics	3
SOC 311 Culture and Personality	3	SOC 342 Minorities	3
SOC 340 Crime & Delinquency	3	SOC 352 Social Stratification	3
EDU 310 Foundations of Education	3	EDU 340 Human Development	3
HIS 311 Mod. European History 1645-1815	3	HIS 312 Mod. European History Since 1815	3
EDU 330 Edu., Psych. & Measurement	3		15
	18		

SENIOR YEAR

SOC 411 Social Research Method	3	EDU 421 Prin. of Secondary Edu.	3
SOC 431 Sociological Theory I	3	EDU 460 Methods	3
HIS Elective	3	EDU 480 Student Teaching	6
RDG 320 Tch. Read. - Area Schools	3		12
SOC Elective	3		
	15		

PROGRAM REQUIREMENTS

BACHELOR OF ARTS IN SOCIOLOGY (NON-TEACHING)

General Studies Core Curriculum Credits..... 45-46 credits

Major Course Credits.....

Discipline..... 36 credits

SOC 210 Principles of Sociology	3
SOC 331 Social Statistics	3
SOC 340 Crime and Delinquency	3
SOC 342 Minorities	3
SOC 352 Social Stratification	3

*Students will be placed in ENG 101 or ENG 110 based on the results of the English placement examination.

SOC 411 Social Research Methods	3
SOC 431 Sociological Theory	3
SOC 480 Sociological Seminar	3
ANT 210 Introduction to Anthropology	3
SWK 320 Principles of Social Work	3

Minor Course Credit .....

A. Sociology Majors ..... 18 credits

Sociology majors may select a minor from any academic discipline from any department of the University.

B. Non-Sociology Majors ..... 18 credits

SOC 210 Principles of Sociology	3
SOC 340 Crime and Delinquency	3
SOC 342 Minorities	3
SOC 431 Sociological Theory	3
6 Credits in Sociology Electives in addition to the above requirements	6

Concentration Course Credits ..... 18 credits

The following courses may be used to complete a concentration in social work:

SWK 220 Introduction to Human Services	3
SWK 320 Principles of Social Work	3
SWK 350 Community Organization	3
SWK 405 Interviewing Skills	3
SWK 420 Methods of Social Case and Group Work	3
SWK 425 Social Work with Families	3
SWK 450 Agency Laboratory Experiences	3

Students taking the social Work Concentration must take the following courses in sequence: SWK 320, 420, 450.

Electives..... 12 credits

Students may select courses from other areas as appropriate to their interests and career plans.

Other Requirements .....

A student must maintain a "C" (2.00) average in all sociology courses for graduation. He/she must also maintain the same average in the courses that are needed for the minor or concentration as well as an overall "C" in order to graduate.

All students in the B.A. Sociology program must declare and pursue a minor.

Curriculum Requirements for Bachelor of Science degree in Sociology (Non-Teaching) ..... 129-130 credits

SOCIOLOGY (NON-TEACHING)

B.A. Degree (129-130 credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
MAT 111 Quan. & Anal. Thinking I	3	HED 112 Personal Hygeine	2
Science Requirement	3-4	MAT 112 Quan. & Anal. Thinking II	3
*ENG 101 Basic Grammar	3	Science Requirement	3-4
PED Physical Education	1	ENG 110 English Composition I	3
HIS 100 Social Institutions	3	HIS 110 World History to 1600	3
RDG 110 Read. for Coll. Students	3		
	17-18		15-16

SOPHOMORE YEAR

ENG 120 English Composition II	3	ANT 210 Intro. to Anthropology	3
SOC 210 Principles of Sociology	3	POL 210 Prin. of American Govt.	3
ECO 200 Basic Economics	3	HIS 212 The U.S. Since 1865	3
HIS 211 The U.S. to 1865	3	SPE 200 Introduction to Speech	3
Foreign Language OR		Foreign Language OR	
CSC 100 Intro. to Computer Sci.	3	CSC 101 Comp.Prog.Lang.(FORTRAN)	3
	15		15

JUNIOR YEAR

SOC 331 Social Statistics	3	SOC 342 Minorities	3
SOC 340 Crime & Delinquency	3	SOC 352 Social Stratification	3
Minor	3	Minor	3
General Studies Requirement	3	General Studies Requirement	3
SWK 320 Principles of Social Work	3	Elective	3
	15		15

SENIOR YEAR

SOC 411 Social Research Method	3	SOC 480 Sociological Seminar	3
SOC 431 Sociological Theory	3	SOC Electives	6
Electives	6	Minor	6
Minor	3	Elective	3
	15		18

DEPARTMENT OF COMMUNCATIONS AND FOREIGN LANGUAGES

DEGREES OFFERED

English Language and Literature..... A.A., B.A., B.S.
French..... A.A.
German..... A.A.

*Students will be placed in ENG 101 or ENG 110 based on the results of the English placement test.

Spanish ..... A.A.
Speech Theatre ..... B.A.

Programs

Included in the Department of Communications and Foreign Languages are the following bachelor programs: English Language and Literature (teaching), English Language and Literature (non-teaching), Speech and Theatre concentration in Speech (non-teaching), and Speech and Theatre concentration in Theatre. Associate programs are offered in French, German and Spanish. Minors are offered in all the disciplines in the Department.

PROGRAM REQUIREMENTS
BACHELOR OF SCIENCE IN ENGLISH LANGUAGE AND LITERATURE (TEACHING)

General Studies Core Curriculum Credits ..... 45-46 Credits
A foreign language is required.

Major Course Credits .....

A. Discipline ..... 39 Credits

ENG 211 World Literature I	3
ENG 212 World Literature II	3
ENG 221 Afro-American Literature	3
ENG 222 History of the English Language	3
ENG 231 Advanced Grammar	3
ENG 311 English Literature I	3
ENG 312 English Literature II	3
ENG 321 American Literature I	3
ENG 322 American Literature II	3
ENG 341 Advanced Composition	3
ENG 411 Shakespeare	3
ENG 412 Eighteenth Century or	
ENG 432 Romantic Prose and Poetry	3
ENG 431 The American Novel	3

B. Professional Education ..... 22 Credits

EDU 211 Laboratory Experience in Area School	1
EDU 310 Foundations of Education	3
EDU 330 Educational Psychology & Meas	3
EDU 340 Human Development	3
EDU 421 Secondary School Programs	3
EDU 460 Methodology-English in Sec Sch	3
EDU 480 Student Teaching	6

C. Reading Requirement ..... 3 Credits

RDG 320 Teaching of Read in Sec School 3

Electives ..... 12 Credits

Open

Other Requirements

A student entering the major program in English education is required to have a "C" or better average in English and education courses.

Curriculum Requirements for Bachelor of Science in English Language and Literature (Teaching) ..... 130-131 Credits

ENGLISH LANGUAGE AND LITERATURE (TEACHING)

B.S. Degree (130-131 Credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
Science Elective	3-4	Science Elective	4
MAT 111 Quan & Anal Think or		MAT112 Quan & Anal think or	
MAT 123 College Algebra	3	MAT 124 College Trigonometry	3
ENG 101 Basic Grammar*	3	ENG 110 English CompositionI	3
PED Physical Education	1	HIS 110 World History to 1600	3
RDG 110 Read for College Students	3	HED 112 Personal Hygiene	2
HIS 100 Social Institutions	3	SPE 200 Intro to Speech	3
	17-18		19

SOPHOMORE YEAR

ENG 120 English Composition II	3	ENG 221 Afro-American Literature	3
General Studies Requirement	3	General Studies Requirement	3
ENG 211 World Literature	3	ENG 212 World Literature	3
ENG 231 Advanced Grammar	3	ENG 222 Hist of Eng Language	3
Foreign Language	3	Foreign Language	3
GGY 210/POL 210/ECO 211	3	ENG 341 Advanced Composition	3
	18		18

JUNIOR YEAR

ENG 311 English Literature	3	ENG 312 English Literature	3
ENG 321 American Literature	3	ENG 322 American Literature	3
EDU 310 Foundations of Education	3	EDU 340 Human Development	3
EDU 330 Edu Psych & Meas	3	ENG 412 18th Century or	
EDU 211 Lab Exper - Area Schools	1	ENG 432 Romantic Prose & Poetry	3
Elective	3	Elective	3
	16		15

SENIOR YEAR

ENG 411 Shakespeare	3	EDU 421 Secondary Sch Progs	3
RDG 320 Tch Read Sec Schls	3	EDU 460 Meth Eng Sec Schools	3
ENG 431 The American Novel	3	EDU 480 Student Teaching	6
Electives	6		12
	15		

*Students will be placed in ENG 101 or ENG 110 based on the results of the English placement test.

PROGRAM REQUIREMENTS
BACHELOR OF ARTS IN ENGLISH LANGUAGE AND LITERATURE (NON-TEACHING)

General Studies Core Curriculum Credits ..... 45-46 Credits

A foreign language is required. (6 Credits)

Major Course Credits .....

Discipline ..... 48 Credits

Eng 211 World Literature I	3
ENG 212 World Literature II	3
ENG 221 Afro-American Literature	3
ENG 222 History of the Eng. Language	3
ENG 231 Advanced Grammar	3
ENG 311 English Literature I	3
ENG 312 English Literature II	3
ENG 321 American Literature I	3
ENG 322 American Literature II	3
ENG 341 Advanced Composition	3
ENG 340 Short Prose Fiction or	
ENG 350 Modern Poetry or	
ENG 360 Modern Drama	3
ENG 401 Chaucer	3
ENG 411 Shakespeare	3
ENG 412 Eighteenth Century	3
ENG 431 The American Novel	3
ENG 432 Romantic Prose and Poetry	3

Minor Course Credits ..... 18 Credits

ENG 231 Advanced Grammar	3
ENG 311 English Literature I	3
ENG 312 English Literature II	3
ENG 321 American Literature I	3
ENG 322 American Literature II	3
ENG 411 Shakespeare	3

Concentration Course Credits ..... 12 Credits

ENG 211/212 World Literature I/II	3
ENG 231 Advanced Grammar	3
ENG 311/312 English Literature I/II	3
ENG 321/322 American Literature I/II	3

Electives ..... 9 Credits

Open

Other Requirements.....

A student entering the major program in English is required to have grade of "C" or better in all general studies English courses. A student seeking the Bachelor of Arts degree in English is required to select a minor. The minor may be selected in any other discipline which the student wishes.

Curriculum Requirements for Bachelor of Arts degree in English Language and Literature (Non-Teaching) ..... 132-133 Credits

ENGLISH LANGUAGE AND LITERATURE (NON-TEACHING)

B.A. Degree (132-133 credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
Science Elective	3-4	Science Elective	4
MAT 111 Quan & Anal Think or		MAT 112 Quan & Anal Think or	
MAT 123 College Algebra	3	MAT 124 College Trigonometry	3
ENG 101 Basic Grammar*	3	ENG 110 English Composition I	3
PED Physical Education	1	HIS 110 World History to 1600	3
RDG 110 Read for College Students	3	HED 112 Personal Hygiene	2
HIS 100 Social Institutions	3	SPE 200 Intro to Speech	3
	17-18		19

SOPHOMORE YEAR

ENG 120 English Composition II	3	ENG 221 Afro-American Literature	3
General Studies Requirement	3	General Studies Requirement	3
ENG 211 World Literature	3	ENG 212 World Literature	3
ENG 231 Advanced Grammar	3	ENG 222 Hist of Eng Language	3
Foreign Language	3	Foreign Language	3
GGY 210/POL 210/ECO 211	3	Minor	3
	18		18

JUNIOR YEAR

ENG 341 Advanced Composition	3	ENG 312 English Literature	3
ENG 321 American Literature	3	ENG 322 American Literature	3
ENG 311 English Literature	3	ENG 340 Short Prose Fiction or	
Minor	9	ENG 350 Modern Poetry or	
	18	ENG 360 Modern Drama	3
		Minor	6
			15

SENIOR YEAR

ENG 411 Shakespeare	3	ENG 412 18th Century	3
ENG 401 Chaucer	3	ENG 432 Romantic Prose & Poetry	3
ENG 431 The American Novel	3	Electives	6
Electives	6		12
	15		

*Students will be placed in ENG 101 or ENG 110 based on the results of the English placement examination.

PROGRAM REQUIREMENTS

BACHELOR OF ARTS IN SPEECH AND THEATRE (NON-TEACHING)

General Studies Core Curriculum Credits ..... 42-46 credits

Humanities Requirement restricted to HUM 211 and HUM 212 (Theatre Concentration only)

Major Course Credits .....

A. Major in Speech-Theatre with a Concentration in Speech .. 36 Credits

THE 201 Theatre Practice I	1
THE 203 Introduction to Theatre	3
THE 204 Introduction to Technical Theatre	2
THE 336 Stagecraft	3
SPE 401 Argumentation and Debate	3
THE 411 Children's Theatre or	
THE 412 Dramatic Theory and Criticism	3
SPE 212 Voice and Diction	3
SPE 310 Public Speaking	3
SPE 311 Oral Interpretation	3
SPE 211 Phonetics	3
SPE 321 Group Discussion	3
SPE 300 Introduction to Communicative Disorders or	
SPE 340 Language Development	3
SPE 420 Senior Seminar	3

B. Major in Speech-Theatre with A Concentration in Theatre ..... 36 Credits

THE 201 Theatre Practice I or	
THE 202 Theatre Practice II	1
THE 203 Introduction to Theatre	3
THE 204 Introduction to Technical Theatre	2
SPE 212 Voice and Diction	3
SPE 310 Public Speaking	3
SPE 311 Oral Interpretation	3
THE 306 Fundamentals of Acting	3
THE 316 Introduction to Costume or	
THE 334 Theatre Management	3
THE 221 Theatre History I or	
THE 222 Theatre History II	3
SPE 321 Group Discussion or	
SPE 401 Argumentation and Debate	3
THE 333 Play Directing	3
THE 421 Play Production or	
THE 403 Scene Design	3
THE 411 Children's Theatre for School and Community or	
THE 412 Dramatic Theory and Criticism	3

Minor Course Credit .....

A. Speech-Theatre Majors .....18 credits

A minor field of study must be selected in any discipline of the student's chioce.

B. Non-Speech Theatre Majors .....19 Credits

THE 201 Theatre Practice I	1
THE 203 Introduction to Theatre	3
THE 204 Introduction to Technical Theatre	3
SPE 212 Voice and Diction	3
SPE 310 Public Speaking	3
SPE 311 Oral Intrepretation	3
SPE 321 Group Discussion or SPE 401 Argumentation and Debate or THE 306 Fundamentals or Acting or THE 411 Children's Theatre for School and Community	3

Electives ..... 30 Credits

Humanities

Foreign Language - six (6) credit hours (all majors) 6

Art - three (3) credit hours (theatre concentration only) 3

Music-three (3) credit hours (theatre concentration only) 3

Free Electives

A. Speech-Theatre majors with speech concentration..... 24 credits

B. Speech-Theatre majors with theatre concentration..... 18 credits

Other Program Requirements.....

All students desiring to become speech and theatre majors must take a speech screening examination administered by the speech and theatre faculty. Other requirements include the following: (1) participation in departmental co-curricular and extra-curricular activities designed to strengthen academic knowledge and training in the discipline, (2) maintenance of a grade of "C" or better in each departmental course, (3) pursuit of a minor in a discipline of choice, (4) reading of a departmental book list which covers material found on the departmental comprehensive diagnostic examination and graduate record examination, (5) taking of a comprehensive diagnostic examination in speech, theatre, or both during the first semester of the senior year (6) fulfillment of all University requirements, (7) completion of a project of choice in SPE 420 Senior Seminar in the concentration is in speech (8) direction of a one-act play or completion of a set design in The 421, Play Production, if the concentration is theatre.

Curriculum Requirements for Bachelor of Arts in Speech-Theatre

Concentration in Speech (Non-Teaching)..... 126-27 credits

SPEECH AND THEATRE
CONCENTRATION IN SPEECH
(NON-TEACHING)

B.A. Degree (126-127 credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
ENG 110 English Composition*	3	ENG 120 English Composition II	3

*Students will be placed in ENG 101 or ENG 110 based on the results of the English placement examination.

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
HIS 100 Social Institution	3	HIS 110 World History to 1600	3
Science Elective	3-4	Science Elective	3-4
PED Physical Education	1	HED 112 Personal Hygiene	2
MAT 111 Quan. & Anal. Thinking or		MAT 112 Quan. & Anal. Thinking or	
MAT 123 College Algebra	3	MAT 124 College Trigonometry	3
	14-15		15-16

SOPHOMORE YEAR

SPE 200 Intro. to Speech	3	SPE 310 Public Speaking	3
SPE 212 Voice and Diction	3	SPE 311 Oral Interpretation	3
THE 203 Intro. to Theatre	3	THE 204 Intro. to Tech. Theatre	2
General Studies Requirement	3	General Studies Requirement	3
Foreign Language	3	Foreign Language	3
Electives	3	THE 201 Theatre Practice	1
	18		15

JUNIOR YEAR

SPE 211 Phonetics	3	SPE 321 Group Discussion	3
THE 336 Stagecraft	3	SPE 300 Intro. to Com. Disorders or	
Minor	9	SPE 340 Language Development	3
	15	Minor	9
			15

SENIOR YEAR

SPE 401 Agrumentation & Debate	3	SPE 420 Senior Seminar	3
Electives	12	THE 411 Children's Theatre or	
	15	THE 412 Dramatic Theory and Criticism	3
		Electives	9
			15

SPEECH AND THEATRE
CONCENTRATION IN THEATRE
(NON-TEACHING)

B.A. Degree (128-129 credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
*ENG 110 English Composition I	3	ENG 120 English Composition II	3
HIS 100 Social Institutions	3	HIS 110 World History to 1600	3
Science Elective	3-4	Science Elective	3-4
PED Physical Education	1	HED 112 Personal Hygiene	2
MAT 111 Quan. & Anal. Thinking or		MAT 112 Quan. & Anal. Thinking or	
MAT 123 College Algebra	3	MAT 124 College Trigonometry	3
RDG 110 Read. for College Students	3		15-16
	17-18		

*Students will be placed in ENG 101 or ENG 110 based on the results of the English placement examination.

SOPHOMORE YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
SPE 200 Intro. to Speech	3	SPE 310 Public Speaking	3
SPE 200 Voice and Diction	3	SPE 311 Oral Interpretation	3
THE 203 Intro to Theatre	3	THE 204 Intro to Tech Theatre	2
HUM 211 Humanities	3	HUM 212 Humanities	3
Foreign Language	3	Foreign Language	3
Art Electives	3	THE 201 or 202 Theatre Practice	1
	18	Music Elective	3
			18

JUNIOR YEAR

THE 306 Fundamentals of Acting	3	THE 333 Play Directing	3
THE 322 or 323 Theatre His	3	THE 316 Costume and Make-up or	
Minor	9	THE 334 Theatre Management	3
	15	Minor	9
			15

SENIOR YEAR

SPE 412 Argumentation & Debate or		THE 421 Play Production or	
SPE 321 Group Discussion	3	THE 403 Scene Design	3
THE 411 Children's Theatre for		Electives	9
School & Community or			12
THE 312 Dramatic Theory & Crit	3		
Electives	9		
	15		

PROGRAM REQUIREMENTS
MINOR IN FRENCH

Minor Course Credits	24 Credits
FRE 110-120 Elementary French	6
FRE 211-212 Intermediate French	6
FRE 311 French Conversation I	3
FRE 312 French Conversation and Composition	3
FRE 321 French Civilization and Culture	3
FRE 340 Survey of French Literature	3
Concentration Course Credits	18 Credits
FRE 110-120 Elementary French	6
FRE 211-212 Intermediate French	6
FRE 311 French Conversation I	3
FRE 321 French Civilization and Culture	3

PROGRAM REQUIREMENTS
MINOR IN SPANISH

Minor Course Credits	24 Credits
SPA 110-120 Elementary Spanish	6
SPA 211-212 Intermediate Spanish	6
SPA 311 Spanish Conversation I	3
SPA 312 Spanish Conversation and Composition	3
SPA 321 Spanish Civilization and Culture	3

SPA 340 Survey of Spanish Literature	3
Concentration Course Credits	18 Credits
SPA 110-120 Elementary Spanish	6
SPA 211-212 Intermediate Spanish	6
SPA 311 Spanish Conversation I	3
SPA 321 Spanish Civilization and Culture	3
Other Program Requirements	

Students who have completed at least two years of French or Spanish in high school, or who have had other foreign language experience, may take the placement examination in an attempt to qualify for intermediate level. An honors program may be enrolled in by those showing a certain proficiency upon entrance.

The minor program in either Spanish or French has a requisite of twenty four (24) credits of the language inclusive of the six (6) credits of elementary study or the equivalent. A concentration consists of eighteen (18) credits of foreign language study.

DEPARTMENT OF HUMANITIES AND FINE ARTS

DEGREES OFFERED

Art	A.A.
Music Education	A.A., B.S.
Visual Arts	B.A.

PROGRAMS

Included in the Department of Humanities and Fine Arts are the following bachelor programs: Music Education - Instrumental (teaching), Music Education - Keyboard (teaching), Music Education - Voice (teaching), and Visual Arts (non-teaching). Associate programs are offered in art education and music education. Minors are offered in art, music and philosophy.

ADMISSION REQUIREMENTS FOR ART AND MUSIC

Art

A portfolio, photographic slides of art work, or other evidence of the student's ability must be presented to the art instructor or surrogate so designated by the admission committee for approval or acceptance.

If the student does not have a portfolio, he will be given a period of time in which he may draw, paint, or sculpt.

Music

Entrance requirements include both a performance audition and a placement test in the areas of harmony and sight singing. Freshmen and transfer students who plan to major in music must take the placement examination in order that the faculty may have some knowledge regarding the student's musical aptitude. A theory placement examination will be administered to all transfer students. The results from the examination will determine the required theory courses that are accepted.

PROGRAM REQUIREMENTS

BACHELOR OF SCIENCE IN MUSIC EDUCATION (INSTRUMENTAL) (TEACHING)

General Studies Core Curriculum ..... 45-46 Credits

Music majors or minors must take MUS 210, Music Appreciation, as a General Studies humanities elective or as an elected course.

Major Course Credits .....

A. Discipline..... 83 Credits

MUS 100 Basic Musicianship	0
MUS 102 Class Piano I	1
MUS 152 Harmony, Sightsinging, Ear Training I	3
MUS Applied Music	10
MUS 191 Marching Band	1
MUS 192 Concert Band	1
MUS 201 Class Piano II	1
MUS 202 Class Piano III	1
MUS 241 Class Strings	1
MUS 242 Class Woodwind	1
MUS 251 Class Voice I	1
MUS 252 Class Voice II	1
MUS 281 Harmony, Sightsinging, Ear Training II	3
MUS 292 Harmony, Sightsinging, Ear Trainig III	3
MUS 321 Class Piano IV	1
MUS 341 Class Brass	1
MUS 342 Class Percussion	1
MUS 351 Music History I	31
MUS 352 Music History II	3
MUS 362 Counterpoint	2
MUS 381 Harmony, Sightsinging, Ear Training IV	3
MUS 391 Conducting I	2
MUS 392 Advanced Conducting	2
MUS 431 Orchestration	2

MUS 441 Methods and Materials (Secondary)	3
MUS 461 Class Guitar	2
MUS 481 Research in Music Education	1
MUS 499 Senior Recital	1

Applied Music Courses (Instrumental)

Students who play brass, percussion, string and woodwind instruments will enroll in their applied sequence as indicated. Each of these students will take the courses listed under music education or instrumental majors.

Applied Brass: 167, 178, 267, 278, 367, 378, 467, 478
Applied Percussion: 173, 184, 273, 284, 373, 384, 473, 484
Applied Strings: 175, 186, 275, 286, 375, 386, 475, 486
Applied Woodwinds: 179, 190, 279, 290, 379, 390, 479, 490

B. Professional Education.....25 Credits

EDU Laboratory Experiences Public School	1
EDU 310 Foundations of Education	3
EDU 320 Teaching Reading/Secondary Schools	3
EDU 330 Educational Psychology and Measurements	3
EDU 340 Human Development	3
EDU 421 Principles of Secondary Education	3
EDU 460 Methods and Materials (Secondary Music)	3
EDU 480 Student Teaching (Secondary School)	6

Minor Course Credits ..... 23 Credits

MUS 100 Basic Musicianship	0
MUS 152 Harmony, Sightsinging, Ear Training I	3
MUS 210 Music Appreciation	3
MUS 281 Harmony, Sightsinging, Ear Training II	3
MUS 441 Methods and Materials (Elementary)	3
MUS Ensemble	4
MUS Applied Music	4
MUS Electives	3

Electives .....

Open

Other Program Requirements .....

All instrumental music education majors must pass a proficiency examination in piano and must also present an acceptable senior recital.

Entrance requirements include both a performance audition and a test in the areas of harmony and sight singing. Freshmen and transfer students who plan to major in music must take the placement examination in order that the faculty may have some knowledge regarding the student's musical aptitude. Music majors (including transfer students) may take a competency exam in their applied areas when enrolling in the music program.

Other requirements include the following: (1) All music education majors (including transfer students) will be required to pass the piano proficiency examination before being admitted to student teaching. (2) A theory placement examination will be administered to all transfer students. The results from the examination will determine the required theory courses that are accepted. (3) Candidates for graduation must appear in a one hour senior recital according to the principal performing medium. At a prior date to the recital, the candidate must perform before a faculty committee. This particular performance must be successfully passed before the candidate may present the senior recital. (4) Students concentrating in instrumental music are required to own the instrument which is their principal medium of performance. (5) Music education majors must obtain consent of the appropriate applied music instructor before performing on public programs. This regulation also affects any other student enrolled in applied music. (6) Music majors must attend concerts given on campus by the opera workshop, band, choir and jazz ensemble. (7) All music majors must participate in an ensemble during the period in which they are enrolled in the music curriculum. (8) It is desirable that all music majors become members of the National Music Educators Conference student chapter on campus.

Curriculum for Bachelor of Science in Music Education
Instrumental ..... 129-131 credits

MUSIC EDUCATION INSTRUMENTAL (TEACHING)

B.S. Degree (129-131 Credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
*ENG 101 Basic Grammar	3	HIS 110 World History to 1600	3
RDG 110 Read for Coll Students	3	ENG 110 English Composition I	3
MAT 111 Quan & Anal Think, or		HED 112 Personal Hygiene	2
MAT 123 College Algebra	3	MAT 112 Quan & Anal Think, or	
HIS 100 Social Institutions	3	MAT 124 College Trigonometry	3
MUS Applied Music	1	MUS 152 Har/Sight/Ear Tr I	3
MUS 191 Marching Band	1	MUS Applied Music	1
MUS 100 Basic Musicianship	0	MUS 192 Concert Band	1
	15		17

SOPHOMORE YEAR

Science Elective	3-4	Science Elective	3-4
ENG 120 English Composition II	3	SPE 200 Intro to Speech	3
MUS 210 Music Appreciation	3	MUS 292 Har/Sigh/EAR TR III	3
MUS 281 Har/Sight/Ear TR II	3	HUM Elective	3
EDU 211 Lab Exper - Area Schls	1	MUS 202 Class Piano III	1
MUS 210 Class Piano II	1	MUS 242 Class Woodwinds	1
MUS 191 Marching Band	1	MUS 192 Concert Band	1
MUS 241 Class Strings	1	MUS Applied Music	1
MUS Applied Music	1		16-17
	17-18		

JUNIOR YEAR

EDU 310 Found of Education	3	EDU 330 Edu Psych & Meas	3
MUS 381 Har/Sight/Ear Tr IV	3	EDU 340 Human Development	3

*Students will be placed in ENG 101 or ENG 110 based on the results of the English placement examination.

MUS 351 Music History I	3	MUS 352 Music History II	3
MUS 341 Class Brass	1	MUS 342 Class Percussion	1
MUS 321 Class Piano IV	1	MUS 352 Class Voice II	1
MUS 251 Class Voice 1	1	MUS 362 Counterpart	
MUS Applied Music	2	MUS Applied Music	2
MUS 191 Marching Band	1	MUS 192 Concert Band	1
MUS 391 Conducting	2	Mus 392 Advanced Conducting	2
	17		16

SENIOR YEAR

MUS 481 Research in Mus Education	1	EDU 421 Prin of Sec Education	3
MUS Applied Music	2	MUS Applied Music	2
RED 320 Tch Read - Sec Schls	3	EDU 460 Methods	3
MUS 441 Methods	3	EDU 480 Student Teaching	6
MUS 431 Orchestration	2	MUS 499 Student Recital	1
MUS 191 Marching Band	1		15
MUS 461 Class Guitar	1		
	13		

Applied Music Sequence for Brass: 167, 178, 267, 278, 367, 378, 467, 478.
Applied Music Sequence for Percussion: 173, 184, 273, 284, 373, 384, 473, 384, 473, 484
Applied Music Sequence for Strings: 175, 186, 275, 286, 375, 386, 475, 486
Applied Music Sequence for Woodwinds: 179, 190, 279, 290, 379, 390, 479, 490

PROGRAM REQUIREMENTS

BACHELOR OF SCIENCE IN MUSIC EDUCATION (KEYBOARD) (TEACHING)

General Studies Core Curriculum Credits ..... 45-46 credits

Music majors or minors must take MUS 210 Music Appreciation as a General Studies humanities elective or as an elected course.

Major course.....

Discipline.....59 credits

MUS 100 Basic Musicianship	0 credits
MUS 110 Choir	7
MUS 150 Opera Workshop	3
MUS 152 Harmony, Sightsinging, Ear Training I	3
MUS Applied Music (Piano and Organ)	10
MUS 241 Class Strings	1
MUS 242 Class Woodwind	1
MUS 251 Class Voice I	1
MUS 252 Class Voice II	1
MUS 281 Harmony, Sightsinging, Ear Training II	3
MUS 292 Harmony, Sightsinging, Ear Training III	3
MUS 341 Class Brass	1
MUS 342 Class Percussion	1
MUS 351 Music History I	3
MUS 352 Music History II	3
MUS 362 Counterpoint	2

MUS 381 Harmony, Sightsinging, Ear Training IVI	3
MUS 391 Conducting I	2
MUS 392 Advanced Conducting	2
MUS 431 Orchestration	2
MUS 441 Methods and Materials (Elementary)	3
MUS 561 Class Guitar	2
MUS 481 Research in Music Education	1
MUS 499 Senior Recital	1

Applied Music Courses (Piano and Organ)

Students who play the piano and organ will enroll in their applied sequences as indicated. Each of these students will take courses listed under music education for the keyboard majors.

Applied Piano: 171, 182, 271, 282, 371, 471, 482

Applied Piano: 169, 180, 269, 280, 369, 380, 469, 480

Professional Education.....25 credits

EDU 211 Laboratory Experiences/Public School	1
EDU 310 Foundations of Education	3
EDU 320 Teaching Reading/Secondary School	3
EDU 330 Educational Psychology and Measurements	3
EDU 340 Human Development	3
EDU 421 Principles of Secondary Education	3
EDU 460 Methods and Materials (Secondary Music)	3
EDU 480 Student Teaching (Secondary School)	6

Minor Course Credit.....23 credits

MUS 100 Basic Musicianship	0
MUS 152 Harmony, Sightsinging Ear Training I	3
MUS 210 Music Appreciation	3
MUS 281 Harmony, Sightsinging, Ear Training II	3
MUS 441 Methods and Materials (Elementary)	3
MUS Ensemble	4
MUS Applied Music	4
MUS Electives	3

Electives.....

Open

Other Program Requirements.....

All piano and organ music education majors must present an acceptable senior recital.

Entrance requirements include both a performance audition and a test in the areas of harmony and sight singing. Freshmen and transfer students who plan to major in music must take the placement examination in order that the faculty may have some knowledge regarding the student's musical aptitude. Music majors (including transfer students) may take a competency exam in their applied areas when enrolling in the music program.

Other requirements include the following: (1) All music education majors (including transfer students) will be required to pass the piano proficiency examination before being admitted to student teaching. (2) A theory placement examination will be administered to all transfer students. The results from the examination will determine the required theory courses that are accepted. (3) Candidates for graduation must appear in a one hour senior recital according to the principal performing medium. At a prior date to the recital, the candidate must perform before a faculty committee. This particular performance must be successfully passed before the candidate may present the senior recital. (4) Music education majors must obtain consent of the appropriate applied music instructor before performing on public programs. This regulation also affects any other student enrolled in applied music. (5) Music majors must attend concerts given on campus by the opera workshop, band, choir, and jazz ensemble. (6) All music majors must participate in an ensemble during the period in which they are enrolled in the music curriculum. (7) It is desirable that all music majors become members of the National Music Educators Conference student chapter on campus.

Curriculum Requirements for Bachelor of Science degree in Music Education - Keyboard (Teaching ..... 129-131 credits

MUSIC EDUCATION
(KEYBOARD)
(TEACHING)

B.S. Degree (129-131 Credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
ENG 101 Basic Grammar	3	HIS 110 World History to 1600	3
RDG 110 Read for College Students	3	ENG 110 English Composition	3
MAT 111 Quan & Anal Think, or		HED 112 Personal Hygiene	2
MAT 123 College Algebra	3	MAT 112 Quan & Anal Think, or	
HIS 100 Social Institutions	3	MAT 124 College Trigonometry	3
MUS Applied Music	1	MUS 152 Har/Sight/Ear TR 1	3

PED Physical Education	1	MUS Applied Music	1
MUS 100 Basic Musicianship	0	MUS 110 Choir	1
MUS 110 Choir	1		17
MUS 110 Choir	1		
MUS 241 Class Strings	1		
MUS Applied Music	1		
	19		

SOPHOMORE YEAR

Science Elective	3-4	Science Elective	3-4
ENG 120 English Composition II	3	SPE 200 Intro to Speech	3
MUS 210 Music Appreciation	3	MUS 292 Har/Sight/Ear Tr III	3
MUS 281 Har/Sight/Ear Tr II	3	HUM Elective	3
EDU 211 Lab Exper - Area Schls	I	MUS 242 Class Woodwind	I
MUS 251 Class Voice I	I	MUS 252 Class Voice II	I
MUS 110 Choir	I	MUS 110 Choir	I
	17-18	MUS Applied Music	I
			17

JUNIOR YEAR

EDU Found of Education	3	EDU 330 Edu Psych & Meas	3
MUS 381 Har/Sight/Ear Tr IV	3	EDU 340 Human Development	3
MUS 351 Music History I	3	MUS 352 Music History II	3
MUS 341 Class Brass	1	MUS 342 Class Percussion	1
MUS 150 Opera Workshop	1	MUS 150 Opera Workshop	1
MUS 110 Choir	1	MUS 362 Counterpoint	2
MUS Applied Music	2	MUS Applied Music	2
MUS 191 Marching Band	1	MUS 392 Advanced Conducting	2
MUS 391 Conducting	2	MUS 110 Choir	1
	17		18

SENIOR YEAR

MUS 481 Research in Mus Education	1	EDU 421 Prin of Sec Education	3
MUS Applied Music	2	MUS Applied Music	2
RDG 320 Tch Read - Sec Schls	3	EDU 460 Methods	3
MUS 441 Methods	3	EDU 480 Student Teaching	6
MUS 431 Orchestration	2	MUS 499 Student Recital	1
MUS 110 Choir	1		15
MUS 461 Class Guitar	1		
MUS 150 Opera Workshop	1		
	14		

Applied Music Sequence for Piano: 171, 182, 271, 282, 372, 382, 471, 482
Applied Music Sequence for Organ: 169, 180, 269, 280, 369, 380, 469, 480

PROGRAM REQUIREMENTS

BACHELOR OF SCIENCE IN MUSIC EDUCATION (VOICE) (TEACHING)

General Studies Core Curriculum Credits ..... 45-46 credits

Music majors or minors must take MUS 210, Music Appreciation, as a General Studies humanities elective or as an elected course.

Major Course Credits

A. Discipline ..... 66 Credits

MUS 100 Basic Musicianship	3
MUS 102 Class Piano	1
MUS 110 Choir	7
MUS 150 Opera Worshop	3
MUS 152 Harmony, Sightsinging, Ear Training I	3
MUS 177 Applied Voice	1
MUS 188 Applied Voice	1
MUS 210 Class Piano II	1
MUS 202 Class Piano III	1
MUS 241 Class Strings	1
MUS 242 Class Woodwind	1
MUS 262 English and French Diction	1
MUS 277 Applied Voice	1
MUS 281 Harmony, Sightsinging, EarTraining II	3
MUS 288 Applied Voice	1
MUS 292 Harmony, Sightsinging, Ear Training III	3
MUS 321 Class Piano IV	1
MUS 341 Class Brass	1
MUS 342 Class Percussion	1
MUS 351 Music History I	3
MUS 352 Music History II	3
MUS 361 Italian and German Diction	1
MUS 362 Counterpoint	2
MUS 377 Applied Voice	2
MUS 381 Harmony, Sightsinging, Ear Training IV	3
MUS 388 Applied Voice	2
MUS 391 Conducting I	2
MUS 392 Advanced Conducting	2
MUS 431 Orchestration	2
MUS 441 Methods and Materials (Elementary)	3
MUS 461 Class Guitar	2
MUS 477 Applied Voice	2
MUS 481 Research in Music Education	1
MUS 499 Senior Recital	1

B. Professional Education ..... 25 Credits

EDU 211 Laboratory Experiences/Public School	1
EDU 310 Foundations of Education	3
EDU 320 Teaching Reading/Secondary School	3
EDU 330 Educational Psychology and Measurements	3
EDU 340 Human Development	3
EDU 421 Principles of Secondary Education	3
EDU 460 Methods and Materials (Secondary Muscic)	3
EDU 480 Student Teaching (Secondary Schools)	6

Minor Course Credits ..... 23 Credits

MUS 100 Basic Musicianship	0
MUS 152 Harmony, Sightsinging, Ear Training I	3
MUS 210 Music Appreciation	3
MUS 281 Harmony, Sightsinging, Ear Training II	3
MUS 441 Methods and Materials (Elementary)	3
MUS Ensemble	4
MUS Applied Music	4
MUS Electives	3

Electives .....

Open

Other Program Requirements .....

All vocal music education majors must pass a proficiency examination in piano and must also present an acceptable senior recital.

Entrance requirements include both a performance audition and a test in the areas of harmony and sight singing. Freshmen and transfer students who plan to major in music must take the placement examination in order that the faculty may have some knowledge regarding the student's musical aptitude. Music majors (including transfer students) may take a competency exam in their applied areas when enrolling in the music program.

Other requirements include the following: (1) All music education majors (including transfer students) will be required to pass the piano proficiency examination before being admitted to student teaching. (2) A theory placement examination will be administered to all transfer students. The results from the examination will determine the required theory courses that are accepted. (3) Candidates for graduation must appear in a one hour senior recital. (4) Music education majors must obtain consent of the appropriate applied music instructor before performing on public programs.

This regulation also affects any other student enrolled in applied music. (5) Music majors must attend concerts given on campus by the opera workship, band, choir, and jazz ensemble. (6) All music majors must participate in an ensemble during the period in which they are enrolled in the music curriculum. (7) It is desirable that all music majors become members of the National Music Educators Conference student chapter on campus.

Curriculum Requirements for Bachelor of Science degree in Music Education - Voice..... 133-135 credits

MUSIC EDUCATION
(VOICE)
(TEACHING)

B.S. Degree (133-135 credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
ENG 101 Basic Grammar*	3	HIS 110 World History to 1600	3
RDG 110 Read for Coll Students	3	ENG 110 English Composition I	3
MAT 111 Quan & Anal Think, or		HED 112 Personal Hygiene	2
MAT 123 College Algebra	3	MAT Quan & Anal Think or	
HIS 100 Social Institutions	3	MAT 124 College Trigonometry	3
MUS 177 Applied Voice	1	MUS 152 Har/Sight/Ear Tr I	3
MUS 110 Choir	1	MUS 110 Choir	1
MUS 100 Basic Musicianship	0	MUS 188 Class Voice	1
PED Physical Education	1	MUS 102 Class Piano I	1
	16		18

SOPHOMORE YEAR

Science Elective	3-4	Science Elective	3-4
ENG 120 English Composition II	3	SPE 200 Intro Speech	3
MUS 210 Music Appreciation	3	MUS 292 Har/Sign/Ear TR III	3
MUS 281 Har/Sight/Ear Tr II	3	HUM Elective	3
EDU 211 Lab Exper - Area Schls	1	MUS 202 Class Piano III	1
MUS 201 Class Piano II	1	MUS 242 Class Woodwinds	1
MUS 110 Choir	1	MUS 110 Choir	1
MUS 241 Class Strings	1	MUS 262 Eng & French Diction	1
MUS 277 Applied Voice	1	MUS 288 Applied Voice	1
	17-18		17-18

JUNIOR YEAR

EDU 310 Found of Education	3	EDU 30 Edu Psych & Meas	3
MUS 381 Har/Sight/Ear Tr IV	3	EDU 340 Human Development	3
MUS 351 Music History I	3	MUS 352 Music History II	3
MUS 341 Class Brass	1	MUS 342 Class Percussion	1
MUS 321 Class Piano IV	1	MUS 388 Applied Voice	2
MUS 377 Applied Voice	2	MUS 362 Counterpoint	2
MUS 361 Ital & Ger Diction	1	MUS 110 Choir	1
MUS 110 Choir	1	MUS 150 Opera Workshop	1
MUS 150 Opera Workshop	1	MUS 392 Advanced Conductiong	2
MUS 150 Opera Workshop	1		18
MUS 391 Conducting	2		
	19		

SENIOR YEAR

MUS 481 Research in Mus Education	1	EDU 421 Prin of Sec Education	3
MUS 477 Applied Voice	2	MUS 488 Applied Music	3
RDG 320 Tch Read - Sec Schls	3	EDU 460 Methods	3
MUS 441 Methods	3	EDU 480 Student Teaching	6
MUS 431 Orchestration	2	MUS 499 Student Recital	1
MUS 150 Opera Workshop	1		16
MUS 461 Class Guitar	1		
MUS 110 Choir	1		
	14		

PROGRAM REQUIREMENTS

BACHELOR OF ARTS DEGREE IN VISUAL ARTS (NON-TEACHING)

General Studies Core Curriculum Credits ..... **44-46 credits**

General Studies Core courses include

Freshman Orientation
Mathematics and Science
Health and Physical Education
English Literature and Speech
Education: Reading
Humanites
Social Science

Major Course Credits ..... 55 Credits

ART 11 Basic Design	3
ART 112 Lettering and Poster Design	3
ART 210 Survey of Art	3
ART 211 Introduction to Art History	3
ART 212 Elementary Freehand Drawing	3
ART 311 Arts and Crafts	3
ART 312 Drawing and Painting	3
ART 342 Sculpture	3
ART 351 Graphics	3
ART 352 Commercial Art	3
ART 400 Senior Art Exhibition	4
ART 412 Advanced Drawing and painting	3
ART 430 Ceramics	3
ART 431 Advanced Ceramics or	
ART 432 Basic Photography	4
ART 362 Afro-American Art from 1800	3
ART 440 Advanced Photography	1
ART 442 Contemporary Art	3
ART 450/460/470 Studio Art	4

Electives 30

Art, Science, Humanities, Open

Other Program Requirements .....

In addition to the General Studies core curriculum credits, the student is expected to take ART 111 and ART 112.

An art student must maintain a "C" average to remain in the program.

Curriculum Requirements for Bachelor of Arts degree in Visual Arts (Non-Teaching)..... 120 credits

VISUAL ARTS
(NON-TEACHING)

B.A. Degree (120 credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
*ENG 110 English Composition	3	PED Physical Education	1
MAT 111 Quan. & Anal. Thinking	3	MAT 112 Quan. & Anal. Thinking	3
RDG 110 Read. for Coll. Students	3	ENG 120 English Composition II	3
Science Elective	3-4	Science Elective	3-4
ART III Basic Design	3	ART 112 Lettering & Poster Design	3
	16-17		14-15

SOPHOMORE YEAR

ART 210/211 Survey of Art/ Art History (General Studies Elective	3	ART 212 Elem. Freehand Drawing (General Studies Elective	3
Foreign Language	3	Foreign Language	3
Foreign Language	3	HIS 110 World History to 1600	3
HED 112 Personal Hygiene	2	HIS 110 World History to 1600	3
ART 311 Arts and Crafts	3	ART 430 Ceramics	3
		Art Elective	3
	14		15

JUNIOR YEAR

SPE 220 Introduction to Speech	3	ART 412 Advanced Draw. & Painting	3
ART 312 Drawing & Painting	3	ART 352 Commercial Art	3
ART 351 Graphics	3	ART 432 Basic Photography	4
ART 361 Sculpture	3	ENG 312 World Literature	3
Elective or Minor	3	Elective or Minor	3
	15		16

SENIOR YEAR

ART 431 Advanced Ceramics or ART 440 Advanced Photography	4	ART 400 Senior Art Exhibition	1
Art Electives	6	Elective or Minor	9
Elective or Minor	6	Art 450/460/470 Studio	4
	16		14

PROGRAM REQUIREMENTS

MINOR IN ART

General Studies Core Curriculum Credits ..... 44-46 credits

Minor Course Credits ..... 21 Credits

ART 111 Basic Design	3
ART 112 Lettering & Poster Design	3
ART 210 /211 Survey of Art/Art History (General Studies Elective)	3

*Students must take the English exam to determine whether to take ENG 101 or 110.

ART 212 Elementary Freehand Drawing
(Gen. Studies 333 Elective) 3
ART 310 Art Expression for Young Children or
ART 311 Arts and Crafts 3
ART 312 Drawing and Painting 3
ART 411 Art in Childhood Education 3

Concentration Course Credits..... 18 credits

ART 111 Basic Design 3
ART 112 Lettering and Poster Design 3
ART 211 Introduction to Art History or
ART 210 Survey of Art or
ART 361 African Negro Art 3
ART 212 Elementary Freehand Drawing or
ART 430 Ceramics or
ART 432 Basic Photography or
ART 342 Sculpture 3
ART 311 Arts and Crafts or
ART 310 Art Expression for Young Children 3
ART 412 Art in the Intermediate Grades 3

Electives .....

Art, Science Humanities, Open.

Other Program Requirements.....

In addition to General Studies core curriculum credits, the student is expected to take ART 111 and ART 112.

The student who minors in art is expected to show a definite aptitude for the visual arts. Samples of previous art work, in any medium, must be presented to the art faculty.

All students who take a minor in art education must select at least one medium for advanced studio courses. They are required to complete a special project in the medium selected. Students must also exhibit work in at least two public art exhibitions.

The area of art reserves the right to select and retain one work of art from the student at the completion of his matriculation in the minor or concentration programs.

An art student must maintain a "C" average to remain in the program.

PROGRAM REQUIREMENTS

MINOR IN PHILOSOPHY

Minor Course Credits..... 18 credits

PHL 210 Introduction to Philosophy	3
PHL 220 Introduction to Logic	3
PHL 230 Political and Social Philosophy	3
PHL 320 Introduction to Ethics	3
PHL 420 Philosophy of Religion	3
PHL 430 Seminar in Philosophy	3

DEPARTMENT OF LIFE SCIENCES

DEGREES OFFERED

Biology..... A.A., B.S.
Biology Education..... B.S.
Medical Technology..... B.S.

PROGRAMS

Included in the Department of Life Sciences are the following bachelor programs: Biology, Biology Education and Medical Technology, and degree program tracks in biology (Teaching), Biology (Non-Teaching), and Medical Technology (Non-Teaching). Associate programs are offered in Biology. Minors are offered in Pre-Medical, Pre-Dental and Pre-Veterinary Curricula.

PROGRAM REQUIREMENTS

BACHELOR OF SCIENCE IN BIOLOGY (TEACHING)

General Studies Core Curriculum Credits..... 29 credits

MAT 123 College Algebra	3
MAT 124 College Trigonometry	3

Major Course Credits.....

A. Discipline..... 34 credits

1. Core Courses

2. Zoology Electives: Select one from each of the five following groups:

Diversity:	Microbiology, Parasitology, Entomology, Comparative Anatomy
Dvelopment:	Embroyology
Physiology:	Vertebrate Physiology
Genetics	Genetics
Techniques and Applications:	Histology and Microtechniques, Radiation Biology, Immunology, Bio-instrumentation, Biochemistry

B. Professional Education..... 25 credits

EDU 211 Lab. Experience - Area School	1
EDU 310 Foundations of Education	3
EDU 330 Educational Psychology & Measurements	3
EDU 340 Human Development	3
EDU 421 Principles of Secondary Education	3

EDU 460 Methods	3
EDU 480 Student Teaching	6
RDG 320 Teaching Reading - Secondary Schools	3

Minor Course Credits.....25 credits

CHE 140 General Chemistry I	3
CHE 150 General Chemistry I, Lab	1
CHE 160 General Chemistry II	3
CHE 170 General Chemistry II Lab	1
CHE 221 Organic Chemistry I	3
CHE 231 Organic Chemistry I, Lab	1
CHE 222 Organic Chemistry II	3
CHE 232 Organic Chemistry II, Lab	2
PHY 111 General Physics I	4
PHY 112 General Physics II	4

Electives.....

Humanities, Social Sciences, Math or Science, Open.

Curriculum for Bachelor of Science degree in Biology (Teaching).....124 credits

BIOLOGY
(TEACHING)

B.S. Degree (124 Credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
*CHE 140 General Chemistry I	3	CHE 160 General Chemistry II	3
CHE 150 General Chemistry I, Lab	1	CHE 170 General Chemistry II, Lab	1
***Mathematics	3	**ENG 110 English Composition I	3
BIO 150 Principles of Biology	2	***Mathematics	3
BIO 160 Principles of Biology, Lab	1	BIO 170 Cell Biology	3
RDG 110 Read. for Coll. Students	3	PED 101/132 Physical Education	1
	14	HED 112 Personal Hygiene	2
			17

SOPHOMORE YEAR

HIS 100 Social Institutions	3	SPE 200 Introduction to Speech	3
BOT 210 General Botany	2	BIO 350 Evolution/Ecology	2
BOT 220 General Botany Lab	1	BIO 360 Evolution/Ecology Lab	1
ZOO 110 General Zoology	2	Foreign Language	3
ZOO 120 General Zoology Lab	1	***Zoology Elective	3
ENG 120 English Composition II	3	HIS 110 World History to 1600	3
Foreign Language	3	BIO 320 Seminar	1
	15		16

*By placement Test only. Otherwise students will take CHE 120 and 130.
**Students will be placed in ENG 101 or 110 based on the results of the English placement examination.
***Six semester credits of mathematics including MAT 123 and MAT 124 are required.

JUNIOR YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
***Zoology Elective	3	CHE 222 Organic Chemistry II	3
PHY 101/111 General Physics	4	CHE 232 Organic Chemistry II Lab	2
CHE 221 Organic Chemistry	3	PHY 102/112 General Physics	4
CHE 221 Organic Chemistry I Lab	1	EDU 340 Human Development	3
EDU 330 Edu. Psych. & Measurements	3	***Zoology Elective	3
EDU 310 Foundations of Education	3	GEO 311 Introduction to Geology	3
EDU 311 Lab Exper. - Area Schls.	1		18
	18		

SENIOR YEAR

Zoology Elective	6	EDU 421 Prin. of Secondary Edu.	3
RDG 320 Teach. Read. - Sec. Schls.	3	EDU 480 Student Teaching	6
Elective	3	EDU 460 Methods	3
	12		12

Diversity:	Microbiology, Parasitology, Entomology, Comparative Anatomy
Development:	Embryology
Physiology:	Vertebrate Physiology
Genetics:	Genetics
Techniques and Applications:	Histology and Microtechniques, Radiation Biology, Immunology, Bio-instrumentations, Biochemistry.

PROGRAM REQUIREMENTS

BACHELOR OF SCIENCE IN BIOLOGY (NON-TEACHING)

General Studies Core Curriculum Credits..... 29 credits

MAT 123 College Algebra 3
MAT 124 College Trigonometry 3

Major Course Credits..... 37 credits

Zoology electives: Select one from each of the five Following groups:

Diversity:	Microbiology, Parasitology, Entomology, Comparative Anatomy
Development:	Embryology
Physiology:	Vertebrate Physiology
Genetics:	Genetics
Techniques and Applications:	Histology and Microtechniques, Radiation Biology, Immunology, Bio-instrumentation, Biochemistry

Minor Course Credit.....

B. Biology Majors ..... 28 Credits

CHE 140 General Chemistry I	3
CHE 150 General Chemistry 1, Lab.	1
CHE 160 General Chemistry II	3
CHE 170 General Chemistry II, Lab.	1
CHE 221 Organic Chemistry I	3
CHE 231 Organic Chemistry I, Lab.	1
CHE 222 Organic Chemistry II	3
CHE 232 Organic Chemistry II, Lab.	2
PHY 111 General Physics I	4
PHY 112 General Physics II	4
CHE 210 Analytical Chemistry	3

C. Non-Biology Majors ..... 17 Credits

BIO 150 Principles of Biology	3
BIO 160 Principles of Biology Lab	1
BIO 170 Cell Biology	3
BOT 210 Botany	3
BOT 220 Botany Lab	3
ZOO 110 Zoology	3
ZOO 120 Zoology Lab	1

Biology Electives (8): Bio 110/120, 130/140 will not fulfill elective requirement.

Electives .....

Humanities, Math or Science, Social Science, Open.

Curriculum for Bachelor of Science in Biology (Non-Teaching) ..... 122 Credits

BIOLOGY
(NON-TEACHING)

B.S. Degree (122 Credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
*CHE 140 General Chemistry I	3	CHE 160 General Chemistry II	3
CHE 150 General Chemistry I Lab	1	CHE 170 General Chem. II Lab	1
***Mathematics	3	**ENG 110 English Composition I	3
BIO 150 Principles of Biology	2	***Mathematics	3
BIO 160 Prin. of Biology Lab	1	BIO 170 Cell Biology	3
RDG 110 Read. for College Students	3	PED Physical Education	1
	14	HED 112 Personal Hygiene	2
			17

*By placement test only. Otherwise students will take CHE 120 or CHE 130.

**Students will be placed in ENG 101 or ENG 110 based on the result of the English placement examination.

***Six semester credits of mathematics including MAT 123 and MAT 124 are required.

SOPHOMORE YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
HIS 100 Social Institutions	3	SPE 200 Introduction to Speech	3
BOT 210 General Botany	2	BIO 350 Evolution/Ecology	2
BOT 220 General Botany Lab	1	BIO 360 Evolution/Ecology Lab	1
ZOO 110 General Zoology	2	CHE 210 Analytical Chemistry	5
ZOO 120 General Zoology Lab	1	****Zoology Elective	3
ENG 120 English Composition II	3	Elective	3
HIS 110 World History to 1600	3		17
	15		

JUNIOR YEAR

****Zoology Elective	3	CHE 222 Organic Chemistry II	3
PHY 111 General Physics	4	CHE 232 Organic Chemistry II Lab	2
CHE 221 Organic Chemistry I	3	Foreign Language	3
CHE 231 Organic Chemistry I Lab	1	****Zoology Elective	3
Foreign Language	3	PHY 112 General Physics	4
Elective	3	Elective	3
	17		18

SENIOR YEAR

****Zoology Elective	6	ECO 211 Prin. of Econ: Macro	3
BIO 430 Special Problems	3	BIO 320 Seminar	1
PSY 210 General Psychology	3	Electives	8
	12		12

**** Zoology electives: Select one from each of the five following groups:

Diversity:	Microbiology, Parasitology, Entomology, Comparative Anatomy
Development:	Embryology
Physiology:	Vertebrate Physiology
Genetics:	Genetics
Techniques and Applications:	History and Microtechniques, Radiation Biology, Immunology, Bio-Instrumentation, Biochemistry

PROGRAM REQUIREMENTS

BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY (NON-TEACHING)

General Studies Core Curriculum Credits ..... 29 Credits

MAT 123 College Algebra	3
MAT 124 College Trigonometry	3
Foreign Language	6

Major Course Credits .....

Discipline ..... 31 Credits

MED 200 Medical Terminology	3
MED 451 Clinical Microscopy	3
MED 452 Serology	3
MED 460 Hematology	6
MED 470 Microbiology	8
MED 472 Clinical Chemistry	8

Concentration Course Credits ..... 56 Credits

BIO 150 Principles of Biology	2
BIO 160 Principles of Biology Lab	1
BIO 170 Cell Biology	3
BIO 320 Seminar	1

BIO 330 Microbiology and Immunology	2
BIO 340 Microbiology & Immunology Lab	2
ZOO 110 Zoology General	2
ZOO 120 Zoology General Lab	1
ZOO 210 Anatomy and Physiology I	2
ZOO 220 Anatomy and Physiology I Lab	1
ZOO 230 Anatomy and Physiology II	2
ZOO 240 Anatomy and Physiology II Lab	1
ZOO 410 Principles of Genetics	2
ZOO 421 Principles of Genetics Lab	1
CHE 140 General Chemistry I	3
CHE 150 General Chemistry I Lab	1
CHE 160 General Chemistry II	3
CHE 170 General Chemistry II Lab	1
CHE 210 Analytical Chemistry	5
CHE 221 Organic Chemistry I	3
CHE 231 Organic Chemistry I Lab	1
CHE 222 Organic Chemistry II	3
CHE 232 Organic Chemistry II Lab	2
BCH 411 Biochemistry	3
PHY 111 General Physics I	4
PHY 112 General Physics II	4
Electives	6 Credits
CSC 100 Introduction to Computer Science	3

Other Program Requirements .....

The following requirements apply to all students who plan to pursue the Bachelor of Science degree in medical technology.

1. Students who have completed one year of academic work at the University including eight (8) hours of science are eligible to apply for admissions to the program.
2. Transfer students who have completed at least one year of academic work (including courses in biology, chemistry and/or physics) are eligible to apply for admission.
3. No applicant with a GPA below 2.00 and a science cumulative average below 2.00 will be considered for admisssion. All D's in biology, chemistry, or physics must be removed before final acceptance to the program.
4. Students should file a request for transcript evaluation for admission to the Medical Technology program with the Director of Admissions.
5. Requests for admission to the Medical Technology program will be reviewed by the Director of Medical Technology, who will inform the student of the decision.

6. All students officially enrolled in the Medical Technology Program will be reviewed at the end of each academic year. At the end of the sophomore year, student records will be reviewed to appropriately advise them relative to the formal application process for the fourth year clinical phase at a hospital of medical technology.

   Students should apply one year prior to their anticipated entrance into the hospital training phase. Thereby, applications should be made during the first five weeks of the junior year. All students who do not, at the end of the sophomore year, achieve 2.5 overall and a 2.5 cumulative average in science will not be advised to apply for the clinical phase during the first semester of their junior year. All D's in science courses (biology, chemistry, and physics) must be removed prior to formal application to hospital schools of medical technology for the fourth year clinical training phase.

7. At the end of the junior year, the student must have completed 100 semester hours of college credits, including the following course requirements in science and mathematics:

   20 semester hours - Biological Sciences
   24 semester hours - Chemistry
    6 semester hours - Mathematics
    8 semester hours - Physics

   Students must have completed all science courses with a grade of "C" or above.

8. Completion of three years of study at FSU does not guarantee admission to a hospital school of medical technology for the fourth clinical training phase. However, those students who have achieved at least a 2.5 GPA and a 2.5 cumulative average in the science courses may be accepted in one of the over 600 clinical training programs. Admission to these programs is highly competetive.

9. Students shall be accepted by the respective hospital schools following transcript evaluation by NAALS and an interview by the hospital school admission committee.

10. All students admitted to the hospital training phase are expected to maintain the hospital standards of performance and competency. Following successful completion of the clinical phase, the student is awarded a certificate in medical technology.

11. Only those students who successfully complete the academic and clinical training phases will be granted the B.S.M.T. from FSU. Satisfactory completion of the 3-year academic phase and the 12 month clinical training phase qualifies the student to take the national examination of the Registry of Medical Technologists of the American Society of Clinical Pathologists.

12. All students who are not accepted (during the junior year) at a hospital school of medical technology for their fourth year clinical training may be granted a B.S. degree in biology or chemistry from FSU following

satisfactory completion of all requirements for that degree. They may then re-apply for admission to the over 600 hospital schools of medical technology for the 12-month clinical training phase. Satisfactory completion of the 12-month clinical training phase qualifies the student to take the national examination of the Registry of Medical Technologists of the American Society of Clinical Pathologists.

Curriculum for Bachelor of Science in Medical Technology (Non-Teaching)..... 132 Credits

MEDICAL TECHNOLOGY (NON-TEACHING)

B.S. M.T. Degree (132 credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
*CHE 140 General Chemistry I	3	GST 101 Freshman Orientation	1
GST 10 Freshman Orientation	1	CHE 160 General Chemistry II	3
CHE 150 General Chemistry I Lab	1	CHE 170 General Chemistry II Lab	1
BIO 150 Principles of Biology	2	**ENG 110 English Composition I	3
BIO 160 Principles of Biology Lab	1	MAT 124 College Trigonometry	3
MAT 123 College Algebra	3	BIO 170 Cellular Biology	3
PED Physical Education	1	HIS 100 Social Institutions	3
HED 112 Personal Hygiene	2		17
RDG 110 Read. for Coll. Students	3		
	17		

SOPHOMORE YEAR

CHE 221 Organic Chemistry I	3	CHE 222 Organic Chemistry II	3
CHE 231 Organic Chemistry I Lab	1	CHE 232 Organic Chemistry II Lab	1
ZOO 110 General Zoology	2	PHY 101/112 General Physics	4
ZOO 120 General Zoology Lab	1	SPE 200 Introduction to Speech	3
ENG 120 English Composition II	3	Foreign Language	3
PHY 101/111 General Physics	4	HIS 110 World History to 1600	3
Foreign Language	3		17
	17		

JUNIOR YEAR

CHE 210 Analytical Chemistry	5	MED 200 Medical Terminology	2
CSC 100 Intro. to Computer Science	3	Elective	3
ZOO 210 Anat. & Physiology I	2	ZOO 230 Anat. & Physiology II	2
Elective	3	ZOO 240 Anat. & Physiology II Lab	1
BCH 411 Biochemistry	3	ZOO 410 Principles of Genetics	2
BIO 320 Seminar	1	BIO 330 Microbiology & Immunology	2
ZOO 220 Anat. & Physiology I Lab	1	BIO 340 Microbiology & Immun. Lab	1
	18	ZOO 420 Prin. of Genetics Lab	1
			14

SENIOR YEAR

Hospital Training Phase..... 32 credits

*By placement test only. Otherwise student will take CHE 120 or CHE 130.

**Students will be placed in ENG 101 or ENG 110 based on the results of English placement examination.

Clinical laboratory training is taken in a hospital-school of medical technology approved by the Council on Medical Education of the American Medical Association and the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS).

This phase requires a minimum of twelve consecutive months of study in the hospital. Among the required courses are the following:

Hematology	- MED 460	6	Clinical Microscopy	- MED 451	3
Blood Bank	- MED 462	4	Serology	- MED 452	3
Clinical Chemistry	- MED 472	8	Microbiology	- MED 470	8
		18			14

PRE-MEDICAL/PRE-DENTAL/PRE-VETERINARY CURRICULA

The following courses with electives totaling over 90 semester hours are designed to meet the requirements for entrance to medical, dental or most of the health professional schools. However, there may be some differences in admission requirements. A student is advised to know the requirements of the school he or she expects to attend.

Courses	Minimum Semester Hours
*ENG 110 English Composition I	3
ENG 120 English Composition II	3
SPE 200 Introduction to Speech	3
MAT 123 College Algebra	3
MAT 124 College Trigonometry	3
MAT 142 Calculus with Analytic Geometry I	4
MAT 241 Calculus with Analytic Geometry II	4
BIO 150 Principles of Biology	3
BIO 160 Principles of Biology Lab	1
ZOO 110 General Zoology	3
ZOO 120 General Zoology Lab	1
ZOO 370 Vertebrate Physiology	3
ZOO 380 Vertebrate Physiology Lab	1
BOT 210 General Botany	3
BOT 220 General Botany Lab	1
CHE 140 General Chemistry I	3
CHE 150 General Chemistry I Lab	1
CHE 160 General Chemistry II	3
CHE 170 General Chemistry II Lab	1
CHE 210 Analytical Chemistry	5
CHE 221 Organic Chemistry I	3
CHE 222 Organic Chemistry II	3
CHE 231 Organic Chemistry I Lab	1
CHE 232 Organic Chemistry II Lab	1
BCH 411 Biochemistry	3
PHY 111 General Physics	4
PHY 112 General Physics	4
Foreign Language	6
Electives	20

Courses in psychology, sociology, economics embryology, comparative anatomy, genetics, physical chemistry, advanced physics, and calculus are strongly recommended as electives.

*Students will be placed in ENG 101 or ENG 110 based on the results of English placement examination.

Pre-veterinary students are required to take six (6) additional semester courses. one in animal husbandry (3-4 semester hours) and another in animal nutrition (3 semester hours). These animal science courses are not offered at present on this campus. However, they can be taken either at N.C. State University, Raleigh or North Carolina A & T State University in Greensboro.

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

DEGREES OFFERED

Mathematics ..... A.A., B.S.

Mathematics Education ..... B.S.

Mathematics-Computer Science ..... A.A., B.S.

PROGRAMS

Included in the Department of Mathmatics and Computer Science are the following bachelor programs: Mathematics (non-teaching), Mathematics Education (teaching), and Mathematics Concentration in Computer Science (non-teaching). Associate programs are offered in Computer Science and Mathematics. Minors are offered in all the disciplines in the Department. Offered also is a cooperative pre-engineering program.

PROGRAM REQUIREMENTS

BACHELOR OF SCIENCE IN MATHEMATICS (TEACHING)

General Studies Core Curriculum Credits..... 46 credits

MAT 123 and MAT 123 are required
PHY 111 and PHY 112 satisfy the science requirement

Major Course Credits .....

A. Discipline..... 39 credits

MAT 123 College Algebra	3
MAT 124 College Trigonometry	3
MAT 142 Calculus with Analytical Geometry I	4
MAT 241 Calculus with Analytical Geometry II	4
MAT 262 Modern Geometry	3
MAT 251 Linear Algebra	3
MAT 242 Calculus with Analytical Geometry III	4
MAT 361 Introduction to Modern Algebra I	3
MAT 390 Set Theory	3
MAT 362 Introduction to Modern Algebra II	3
MAT 331 Differential Equations I	3
MAT 412 Advanced Calculus	3

B. Professional Education..... 25 credits

EDU 211 Lab Experience - Area Schools	1
EDU 310 Foundations of Education	3
EDU 330 Educational Psychology and Measurements	3
EDU 340 Human Development	3
RDG 320 Teaching Reading - Secondary Schools	3
EDU 421 Principles of Secondary Education	3
EDU 460 Methods	3
EDU 480 Student Teaching	6

Electives..... 9 credits

Open with the approval of the Department of Mathematics and Computer Science.

Other Program Requirements.....

In addition to the above requirements PHY 211, STA 202 and CSC 101 are required. A student must pass prerequisite courses prior to enrolling in subsequent courses.

Curriculum for Bachelor of Science in Mathematics (Teaching)..... 123 credits

Secondary teacher certification consists of a minimum of 21 credits. These credits must include MAT 123, MAT 123 (or MAT 131), MAT 142, MAT 241, MAT 242, and MAT 262.

The mathematics concentration for elementary education majors consists of 18 credits of mathematics. To be included in these 18 credits are MAT 123, MAT 124, three (3) credits of computer science, and three (3) credit electives in mathematics.

MATHEMATICS
(TEACHING)

B.S. Degree (123 credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
*ENG 110 English Composition I	3	ENG 120 English Composition II	3
*MAT 123 College Algebra	3	*MAT 124 College Trigonometry	3
HIS 100 Social Institutions	3	General Studies Requirement	3
RDG 110 Read. for College Students	3	HIS 110 World History to 1600	3
PED Physical Education	1	HED 112 Personal Hygiene	2
	14		15

SOPHOMORE YEAR

~~ENG 120 English Composition II~~	3	MAT 241 Cal. with Anal. Geo. II	4
MAT 142 Cal. with Anal. Geo. I	4	MAT 262 Modern Geometry	3
MAT 251 Linear Algebra	3	SPE 200 Introduction to Speech	3
PHY 111 General Physics	4	EDU 211 Lab. Exper. - Area Schls.	1
General Studies Requirement	3	PHY 112 General Physics	4
	17		15

JUNIOR YEAR

MAT 242 Cal. with Anal. Geo. III	4	MAT 262 Intro. to Mod. Algebra II	3
MAT 361 Intro. to Mod. Algebra I	3	MAT 390 Set Theory	3
EDU 310 Foundations of Education	3	MAT 331 Differential Equations I	3
EDU 330 Edu. Psych. & Measurements	3	EDU 340 Human Development Elective	3
PHY 211 Mechanics	4	STA 202 Basic Prob. & Statistics	3
	17		15

SENIOR YEAR

CSC 101 Comp. Program (FORTRAN)	3	EDU 421 Prin. of Sec. Education	3
MAT 412 Advanced Calculus	3	EDU 460 Methods	3
RDG 320 Tch. Reading - Sec. Schls.	3	EDU 480 Student Teaching	6
Electives**	6-9		12
	15-18		

PROGRAM REQUIREMENTS

BACHELOR OF SCIENCE IN MATHEMATICS
(NON-TEACHING)

General Studies Core Curriculum Credits..... 46 credits

MAT 123 and MAT 124 are required
PHY 111 and PHY 112 satisfy the science requirement

Major Course Credits .....

Discipline..... 42 credits

*Requirement may be met by MAT 131.
Students who enter at MAT 131 need 9 credits of electives.
**Students will be placed in ENG 101 or ENG 110 based on the results of English placement examination.

MAT 123 College Algebra	3
MAT 124 College Trigonometry	3
MAT 142 Calculus with Analytical Geometry I	4
MAT 241 Calculus with Analytical Geometry II	4
MAT 251 Linear Algebra	3
MAT 242 Calculus with Analytical Geometry III	4
MAT 361 Introduction to Modern Algebra I	3
MAT 390 Set Theory	3
MAT 362 Introduction to Modern Algebra II	3
MAT 331 Differential Equations I	3
MAT 412 Advanced Calculus	3
MAT 472 Theory of Numbers	3
MAT 461 Theory of Real Variables	3

Electives..... 18 credits

Electives open with the approval of the Area of Mathematics.

Other Program Requirements.....

In addition to the above requirements PHY 211, PHY 212, STA 202 STA 302, and CSC 101 are required. In humanities, six (6) hours of a foreign language are required. A student must pass prerequisite courses prior to enrolling in subsequent courses.

Curriculum for Bachelor of Science in Mathematics (Teaching)..... 123 credits

A minor in mathematics consists of a minimum of 21 credits beginning at the level of MAT 123, and MAT 124, or MAT 131. These credits must include 12 credits of calculus.

MATHEMATICS (NON-TEACHING)

B.S. Degree (123 credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
**ENG 110 English Composition 1	3	ENG 120 English Composition II	3
*MAT 123 College Algebra	3	*MAT 124 College Trigonometry	3
HIS 100 Social Institutions	3	General Studies Requirement	3
RDG 110 Read. for College Students	3	HIS 110 World History to 1600	3
PED Physical Education	1	HED 112 Personal Hygiene	2
	14		15

SOPHOMORE YEAR

~~ENG 120 English Composition II~~	~~3~~	MAT 241 Cal. with Anal. Geo. II	4
PHY 111 General Physics	4	PHY 112 General Physics	4
General Studies Requirement	3	SPE 200 Introduction to Speech	3
Language Elective	3	Language Elective	3
MAT 142 Cal. with Anal. Geom. 1	4	CSC 101 Comp. Prog. (FORTRAN)	3
	~~17~~ 14		17

*Requirement may be met by MAT 131.
Students who enter at MAT 131 need 9 credits of electives.
**Students are placed in ENG 101 or ENG 110 based on the results of the English placement examination.

JUNIOR YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
STA 301 Intro. to Probability	3	STA 302 Mathematical Statistics	3
MAT 251 Linear Algebra	3	PHY 212 Heat	4
MAT 242 Cal. with Anal. Geo. III	4	MAT 331 Differential Equations I	3
PHY 211 Mechanics	4	MAT 390 Set Theory	3
Elective	3	Elective	3
	17		16

SENIOR YEAR

MAT 472 Thoery of Numbers	3	MAT 362 Intro. to Mod. Algebra II	3
MAT 361 Intro. to Mod. Algebra I	3	MAT 461 Theory of Real Variables	3
MAT 412 Advanced Calculus	3	Electives**	6-9
Electives	6		12-15
	15		

PROGRAM REQUIREMENTS

BACHELOR OF SCIENCE IN MATHEMATICS (COMPUTER SCIENCE CONCENTRATION) (NON-TEACHING)

General Studies Core Curriculum Credits..... 46 credits

MAT 123 and MAT 124 are required
PHY 111 and PHY 112 satisfy the Science requirement

Major Course Credits .....

Discipline..... 36 credits

MAT 123 College Algebra	3
MAT 124 College Trigonometry	3
MAT 142 Calculus with Analytical Geometry I	4
MAT 241 Calculus with Analytical Geometry II	4
MAT 251 Linear Algebra	3
MAT 242 Calculus with Analytical Geometry III	4
MAT 361 Introduction to Modern Algebra I	3
MAT 372 Linear Programming	3
MAT 390 Set Theory	3
MAT 331 Differential Equations I	3
MAT 412 Advanced Calculus	3

Concentration Course Credits..... 27 credits

CSC 101 Computer Programming Language (FORTRAN)	3
CSC 102 Computer Programming Language (COBOL)	3
CSC 201 Basic Computer Organization and Assembly Language	3

CSC 202 Systems Analysis and Techniques	3
CSC 210 Computer Programming Language (Pascal)	3
CSC 310 Numerical Methods	3
CSC 402 Information Storage and Retrieval	3
CSC 410 Introduction to Compiler Design Theory	3
CSC 420 Systems Programming	3

Electives..... 12 credits

Electives open with the approval of the Department of Mathematics and Computer Science.

Other Program Requirements.....

In addition to the above requirements STA 301, and STA 302 are required. A student must pass prerequisite courses prior to enrolling in subsequent courses.

Curriculum for Bachelor of Science in Mathematics/ Computer Science..... 121 credits

MATHEMATICS
COMPUTER SCIENCE - CONCENTRATION
(NON-TEACHING)

B.S. Degree (121 credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
***ENG 110 English Composition 1	3	ENG 120 English Composition II	3
*MAT 123 College Algebra	3	*MAT 124 College Trigonometry	3
HIS 100 Social Institutions	3	General Studies Requirement	3
RDG 110 Read. for College Students	3	HIS 110 World History to 1600	3
PED Physical Education	1	HED 112 Personal Hygiene	2
	14		15

SOPHOMORE YEAR

~~ENG 120 English Composition II~~	3	MAT 241 Cal. with Anal. Geo. II	4
MAT 142 Cal. with Anal. Geo. I	4	CSC 102 Computer Prog. (COBOL)	3
CSC 101 Computer Prog. (FORTRAN)	3	SPE 200 Introduction to Speech	3
PHY 111 General Physics	4	PHY 112 General Physics	4
General Studies Requirement	3	CSC 210 Computer Prog. (Pascal)	3
	17		17

JUNIOR YEAR

STA 301 Intro. to Probability	3	STA 302 Mathematical Statistics	3
MAT 251 Linear Algebra	3	CSC 402 Infor. Storage & Retrieval	3
MAT 242 Cal. with Anal. Geo. III	4	MAT 331 Differential Equations I	3
CSC 201 Basic Comp. Organ. & Assem.	3	**Elective	3
Elective	3	MAT 390 Set Theory	3
	16		15

*Requirement may be met by MAT 131.
**Students entering on the MAT 131 level must take six credits of electives.
***Students will be placed in ENG 101 or ENG 110 based on the results of the English placement examination.

SENIOR YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
Electives	3	MAT 372 Linear Programming	3
MAT 361 Intro. to Mod. Algebra I	3	CSC 420 Systems Programming	3
CSC Numerical Methods	3	**Electives	3-6
CSC 410 Intro. to Complr. Degn. Thry.	3	CSC 202 Systems Analysis & Tech.	3
MAT 412 Advanced Calculus	3		12-15
	15		

PROGRAM REQUIREMENTS

PRE-ENGINEERING CURRICULUM (NON-TEACHING)

The pre-engineering curriculum is a cooperative program with North Carolina State University, North Carolina A & T State University and the University of North Carolina at Charlotte.

General Studies Core Curriculum credits..... 26 credits

ENG 110 English Composition I	3
ENG 120 English Composition II	3
HIS 110 World History to 1600	3
PHL 220 Introduction to Logic	3
MAT 123 College Algebra	3
MAT 124 College Trigonometry	3
PHY 111 General Physics I	4
PHY 112 General Physics II	4

Major Course Credits .....

Discipline..... 37 credits

CHE 140 General Chemistry I	3
CHE 150 General Chemistry Lab I	1
CHE 160 General Chemistry II	3
CHE 170 General Chemistry Lab II	1
PHY 211 Mechanics	4
PHY 212 Heat	4
CSC 101 Computer Programming Language (FORTRAN)	3
MAT 142 Calculus with Analytical Geometry I	4
MAT 241 Calculus with Analytical Geometry II	4
MAT 242 Calculus with Analytical Geometry III	4
MAT 251 Linear Algebra	3
MAT 331 Differential Equations	3

Other Course Requirements..... 12 credits

ENG 240 Introduction to Literature	3
SOC 210 Principles of Sociology	3
POL 210 Principles of American Government	3
ECO 212 Principles of Economics	3

Other Program Requirements.....

A minimum grade of "C" is required in all courses.

PRE-ENGINEERING

Summer Session I	Sem. Hrs.	Summer Session II	Sem. Hrs.
*MAT 123 COllege Algebra	3	*MAT 124 College Trigonometry	3
*PHY 111 General Physics	4	*PHY 112 General Physics	4
			7

FIRST YEAR

ENG 110 English Composition I	3	ENG 120 English Composition II	3
MAT 142 Cal. with Anal. Geo. I	4	MAT 241 Cal. with Geo. II	4
CHE 140 General Chemistry I	3	CHE 160 General Chemistry II	3
CHE 150 General Chemistry I Lab	1	CHE 170 General Chemistry II Lab	1
HIS 110 World History to 1600	3	CSC 101 Computer Prog. Lan.	
	14	(FORTRAN)	3
			14

SECOND YEAR

MAT 242 Cal. with Anal. GEO. III	4	MAT 331 Differential Equations I	3
PHY 211 Mechanics	4	ECO 212 Principles of Economics	3
SOC 210 Principles of Sociology	3	POL 210 Principles of Amer. Govt.	3
MAT 251 Linear Algebra	3	PHY 212 Heat	4
ENG 240 Introduction to Literature	3	PHL 220 Introduction to Logic	3
	17		16

*If needed ot meet prerequisites for Pre-Engineering requirements.

DEPARTMENT OF MILITARY SCIENCE

AEROSPACE STUDIES

PROGRAM REQUIREMENTS

To be eligible for the General Military Course (GMC) each individual must:

1. Be a full-time student.
2. Be 14 Years of age or older.
3. Be a U.S. citizen (there are provisions for aliens to participate in the GMC program).
4. Be of good moral character.

5. Meet University medical standards for admission to the institution.

6. Not have been disqualified by disenrollment from an officer training program.

To be eligible for the Professional Officers Course (POC), each individual must:

1. Be a full-time student and scheduled to receive a baccalaurate degree.

2. Be a U.S. citizen.

3. Be of good moral character.

4. Be certified medically qualified by appropriate Air Force medical authorities.

5. Be at least 17 years of age.

6. Successfully complete either GMC or equivalent training and a four week Field Training Course.

7. Attain a minimum qualifying score on the Air Force Officers Qualification Test.

8. Have two academic years remaining when entering the POC.

9. Be in good academic standing.

PROGRAM

The General Military Course (GMC) is an introductory level course dealing with mission, organization and function of the U.S. Air Force, and with development of air power into a prime element of national security. The GMC is developmental in nature and is designed to motivate and prepare cadets for entry into the Professional Officers Course (POC). The standard GMC is a two-year course in Aerospace Studies (ARS). The first year is designated ARS 111 and 112 and the second year ARS 211 and 212. The GMC totals approximately 120 clock hours of Leadership Laboratory.

The POC subject matter includes a study of the United States armed forces' role in contemporary society along with the role of the professional officer as a member of society and with theoretical and applied leadership management and communicative skills. The POC is designed to prepare cadets for active duty as Air Force Officers. It is a two-year course of instruction in Aerospace Studies (ARS) and is normally designated ARS 311 and 312 for juniors and ARS 411 and 412 for seniors. The POC totals approximately 240 clock hours, i.e., 120 hours per year consisting of 90 hours of academic and 30 hours of Leadership Laboratory.

Leadership Laboratory provides cadets with practical command and staff leadership experiences through performing various tasks within the frame work of the organized Cadet Corps. Leadership Laboratory accounts for 120 hours of the 360 hours normally allocated to Aerospace Studies.

Field Training is an off-campus training program held at selected Air Force bases during the summer. A six-week camp is conducted for all students entering the Air Force ROTC two-year program. All other cadets attend a four-week encampment. The Flight Instruction Program is an integral part of the Air Force ROTC program. The course is offered to a limited number of highly qualified ROTC cadets who are within 12 months of established commissioning date.

Under the two-year program selected students may be enrolled in the POC provided they have two full years of college remaining and have completed a six (6) week Field Training encampment. Students contemplating enrollment in this program should do so prior to completion of the sophomore year in order to enter Field Training during the summer preceding the fall semester of their junior year.

Uniforms and textbooks for Air Force ROTC are provided by the Federal Government. All students enrolled in the final two years of Air Force ROTC are under contract and receive a retainer fee of $100.00 per month.

A limited number of selected students enrolled in the Air Force ROTC program may qualify for scholarships.

All scholarships pay $100.00 per month, tuition, and an annual textbook allowance. During the four or six weeks of Field Training Program, all students receive pay and travel allowance.

Students may transfer credits received in other ROTC units established under the provisions of the National Defense Act. ROTC credits may be used as free electives in any discipline. Prior to commissioning, all students must complete requirements for and receive a baccalaureate degree or higher. In addition, each student must satisfactorily complete a course in mathematical reasoning prior to receipt of a commission. A list of these courses is available in the Department of Aerospace Studies.

Students enrolled in the program under a four year AFROTC Scholarship must satisfactorily complete a 3-credit hour course in English composition prior to the end of the GMC tenure in order to maintain scholarship entitlements. GMC cadets receiving scholarships of less than four years duration will have two academic years from scholarship activation to complete the English composition requirement. English composition courses satisfying this requirement are listed in the Department of Aerospace Studies.

DEPARTMENT OF PHYSICAL AND EARTH SCIENCES

DEGREES OFFERED

Chemistry..... A.A., B.A., B.S.

PROGRAMS

Included in the Department of Physical and Earth Sciences are two programs in chemistry, both of which are non-teaching. An Associate of Arts degree in chemistry is also offered, and a minor is offered in chemistry and physics.

PROGRAM REQUIREMENTS

BACHELOR OF SCIENCE IN CHEMISTRY (NON-TEACHING)

General Studies Core Curriculum Credits..... 40 Credits

MAT 123 College Algebra	3
MAT 124 College Trigonometry	3
OR	
MAT 131 Algebra and Trigonometry (Honors)	3
MAT 142 Calculus with Analytical Geometry II	4
CHE 140 General Chemistry I	1
CHE 150 General Chemistry Lab I	3
CHE 160 General Chemistry II	3
CHE 170 General Chemistry Lab II	1
OR	
CHE 120 The Atom of Bonding	3
CHE 130 Stoichiometry	3
CHE 150 General Chemistry Lab I	1
FRE 110 Elementary French I	3
FRE 120 Elementary French II	3
OR	
GER 110 Elementary German I	3
GER 120 Elementary German II	3

Major Course Credits..... 45 credits above CHE 150

Discipline .....

General Chemistry II (4 credits)	
CHE 160 General Chemistry II	3
CHE 170 General Chemistry Lab II	1
Analytical Chemistry (9 credits)	
CHE 210 Analytical Chemistry	5
CHE 420 Instrumental Methods of Analysis	4
Organic Chemistry (9 credits)	
CHE 221 Organic Chemistry I	3
CHE 222 Organic Chemistry II	3
CHE 231 Organic Chemistry Lab I	1
CHE 232 Organic Chemistry Lab II	2
Physical Chemistry (9 credits)	
CHE 321 Thermodynamics	3
CHE 331 Thermodynamics Lab	2
CHE 342 Physical Chemistry Lab	1

CHE 322 Quantum Mechanics & Spec. OR 3
CHE 324 Kinestics 3

Technical Communication (1 credit)
CHE 421 Inorganic Chemistry 3

Chemistry Electives: Any of the following not used to satisfy the physical chemistry required credits (3 credits)

CHE 322 Quantum Mechanics and Spec. 3
CHE 324 Kinetics 3
CHE 430 Special Topics in Chemistry 3
CHE 431 Qualitative Organic Analysis OR 3
CHE 411 Biochemistry 3

Research (7 credits)
CHE 390 Research Seminar 1
CHE 491 Research in Chemistry 2
CHE 492 Research and Thesis 4

Minor Course Credit.....18 hours above CHE 150

A. Chemistry Majors.....

No formal minor is required; however, a minor in mathematics with MAT 331 Differential Equations I is encouraged.

B. Non-Chemistry Majors.....

General Chemistry (4 credits)
CHE 160 General Chemistry II 3
CHE 170 General Chemistry Lab II 1

Analytical Chemistry (5 credits)
CHE 210 Analytical Chemistry 5

Organic Chemistry (9 credits)
CHE 221 Organic Chemistry 3
CHE 222 Organic Chemistry II 3
CHE 231 Organic Chemistry Lab I 1
CHE 232 Organic Chemistry Lab II 2

Concentration Course Credits.....15 credits

All Bachelor of Science chemistry majors either minor or obtain a concentration in mathematics. Required courses include:

MAT 131 Algebra and Trigonometry (Honors) 3
OR
MAT 123 College Algebra 3
MAT 124 College Trigonometry 3

MAT 142 Calculus with Analytical Geometry	4
MAT 241 Calculus with Analytical Geometry II	4
MAT 242 Calculus with Analytical Geometry III	4
CSC 101 Computer Programming Language (FORTRAN)	3

Electives..... 17 credits

Courses used to satisfy the science-mathematics electives must be offered within the Department of Physical and Earth Sciences (except by permission of the Department), **cannot** satisfy two elective requirements simultaneously (e.g., chemistry elective and science-mathematics elective or open elective and science-mathematics elective), and **cannot** come from the following:

BIO 110 General Biology I
BIO 120 General Biology I Lab
BIO 130 General Biology II
BIO 140 General Biology II Lab

CHE 100 Chemical Techniques
CHE 101 Introduction to Chemical Principles
CHE 102 Introduction to Organic and Biochemistry
CHE 110 Bio-organic Techniques
CHE 120 The Atom and Bonding
CHE 130 Stoichimetry
CHE 140 General Chemistry I
CHE 150 General Chemistry I Lab

PHY 111 General Physics
PHY 112 General Physics

MAT 106 Basic Mathematics
MAT 111 Quantitative and Analytical Thinking I
MAT 112 Quantitative and Analytical Thinking II
MAT 123 College Algebra
MAT 124 College Trigonometry
MAT 131 Algebra and Trigonometry
MAT 140 Applied Calculus

Chemistry Electives

CHE 430 Special Topics in Chemistry
CHE 431 Qualitative Organic Analysis
BCH 411 Biochemistry
BCH 412 Biochemistry

Other Requirements..... 8 credits

In addition to the requirements for the General Studies core curriculum, major courses, minor or concentration and elective courses outlined above, General Physics (PHY 111 and 112) is required.

Students admitted into the B.S. program must have a minimum science-mathematics average of 2.5 at the time of admission, will present a written and oral summary of their research, and maintain a minimum science-mathematics average of 2.3.

Curriculum Requirements for Bachelor of Science degree in Chemistry (Non-Teaching)..... 121 credits

CHEMISTRY
(NON-TEACHING)

B.S. Degree (121 credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
RDG 110 Read. for Coll. Students	3	HIS 110 World History to 1600	3
*CHE 140 General Chemistry I	3	**ENG 110 English Composition I	3
*CHE 150 General Chemistry I Lab	1	CHE 160 General Chemistry II	3
PED Physical Education	1	CHE 170 General Chemistry II Lab	1
HIS 100 Social Institutions	3	MAT 124 College Trigonometry	3
MAT 123 College Algebra	3	HED 112 Personal Hygiene	2
	15		16

SOPHOMORE YEAR

SPE 200 Introduction to Speech	3	MAT 241 Cal. with Anal. Geo. II	4
MAT 142 Cal. with Anal. Geo. I	4	CHE 210 Analytical Chemistry	5
ENG 120 English Composition II	3	CHE 222 Organic Chemistry II	3
CHE 221 Organic Chemistry I	3	CHE 232 Organic Chemistry II Lab	2
CHE 231 Organic Chemistry I Lab	1	PHY 112 Physics	4
PHY 111 Physics	4		18
	18		

JUNIOR YEAR

CHE 321 Thermodynamics & Equil.	3	CHE 322 Quant. Mechanics Spectros.	3
CHE 331 Thermodynamics & Equil. Lab	2	OR	
FRE 110 Elementary French I	3	CHE 324 Kinetics	
CSC 101 Comp. Prog. Lang. (FROTRAN)	3	FRE 120 Elementary French II	3
MAT 242 Cal. with Anal. Geom. III	4	Elective in Science - Math	4
	15	Elective ***	4
		CHE 390 Research Seminar	1
		CHE 342 Phy. Chemistry Lab	1
			15-16

SENIOR YEAR

CHE 410 Seminar in Chemical Lit.	1	CHE Chemistry Elective***	4
CHE 421 Inorganic Chemistry	3	CHE 492 Research	4
CHE 491 Research in Chemistry	2	CHE 420 Instrumental Analysis	4
Electives***	3		12
Elective in Science or Math***	3-4		
	12-13		

*CHE 140 is reached by placement examination. Students not successfully completing the placement take 120 followed by CHE 130 and 150 rather than CHE 140 and 150.

**ENG 110 is reached by placement examination or by successfully completing ENG 101.

***See "Electives" page 115.

PROGRAM REQUIREMENTS

BACHELOR OF ARTS IN CHEMISTRY (NON-TEACHING)

General Studies Core Curriculum Credits..... 42 credits

MAT 123 College Algebra	3
MAT 124 College Trigonometry	3
OR	
MAT 131 Algebra and Trigonometry (Honors)	3
MAT 142 Calculus with Analytical Geometry II	4
CHE 140 General Chemistry I	1
CHE 150 General Chemistry Lab I	3
CHE 160 General Chemistry II	3
CHE 170 General Chemistry Lab II	1
OR	
CHE 120 The Atom of Bonding	3
CHE 130 Stoichiometry	3
CHE 150 General Chemistry Lab I	1
Foreign Language	6
OR	
PHL 220 Introduction to Logic and any other	3
Appropriate course	3

Major Course Credits..... 28 credits

Discipline .....

General Chemistry II (4 credits)	
CHE 160 General Chemistry II	3
CHE 170 General Chemistry Lab II	1
Analytical Chemistry (9 credits)	
CHE 210 Analytical Chemistry	5
Organic Chemistry (9 credits)	
CHE 221 Organic Chemistry I	3
CHE 222 Organic Chemistry II	3
CHE 231 Organic Chemistry Lab I	1
CHE 232 Organic Chemistry Lab II	2
Physical Chemistry (5 credits)	
CHE 321 Thermodynamics	3
CHE 331 Thermodynamics Lab	2
Technical Communication (1 credit)	
CHE 410 Seminar in Chemical Literature	1

Chemistry Electives (4 credits)

CHE 322 Quantum Mechanics and Spec.	3
CHE 342 Physical Chemistry Lab	1
OR	
CHE 324 Kinetics and	3
CHE 342 Physical Chemistry Lab	1
OR	
CHE 420 Instrumental Methods of Analysis	4

Minor Course Credit..... 18 hours above CHE 150

A. Chemistry Majors.....

No formal minor is required.

B. Non-Chemistry Majors.....

General Chemistry (4 credits)

CHE 160 General Chemistry II	3
CHE 170 General Chemistry Lab II	1

Analytical Chemistry (5 credits)

CHE 210 Analytical Chemistry	5

Organic Chemistry (9 credits)

CHE 221 Organic Chemistry I	3
CHE 222 Organic Chemistry II	3
CHE 231 Organic Chemistry Lab I	1
CHE 232 Organic Chemistry Lab II	2

Concentration Course Credits..... 18 credits

A concentration in one of the following is required: mathematics, biology, physics, psychology, management, business, criminal justice, or police science.

Electives..... 17 credits

Courses offered to satisfy the science-mathematics electives must be offered within the Department of Physical and Earth Sciences (except by permission of the Department), **cannot** satisfy two elective requirements simultaneously (e.g., chemistry elective and science-mathematics elective or open elective and science-mathematics elective), and **cannot** come from the following:

BIO 110 General Biology I
BIO 120 General Biology I Lab
BIO 130 General Biology II
BIO 140 General Biology II Lab

CHE 100 Chemical Techniques
CHE 101 Introduction to Chemical Principles

CHE 102 Introduction to Organic and Biochemistry
CHE 110 Bio-organic Techniques
CHE 120 The Atom and Bonding
CHE 130 Stoichimetry
CHE 140 General Chemistry I
CHE 150 General Chemistry I Lab

PHY 111 General Physics
PHY 112 General Physics

MAT 106 Basic Mathematics
MAT 111 Quantitative and Analytical Thinking I
MAT 112 Quantitative and Analytical Thinking II
MAT 123 College Algebra
MAT 124 College Trigonometry
MAT 131 Algebra and Trigonometry
MAT 140 Applied Calculus

Courses Used to satisfy the chemistry elective must come from the following:

CHE 322 Quantum Mechanics and Spectroscopy
and
CHE 342 Physical Chemistry Lab
CHE 324 Kinetics
and
CHE 342 Physical Chemistry Lab
CHE 420 Instrumental Methods of Analysis
CHE 430 Special Topics in Chemistry
CHE 431 Qualitative Organic Analysis

Other Requirements..... 16 credits

In addition to the requirements for the General Studies core curriculum, major courses, minor or concentration and elective courses outlined above, General Physics (PHY 111 and 112) and two semesters of calculus (MAT 142 and 241) are required.

Students admitted into the B.A. program must have a minimum science mathematics average of 1.8 at the time of admission.

Curriculum for Bachelor of Arts in Chemistry..... 121 credits minimum

CHEMISTRY (NON-TEACHING)

B.A. Degree (121 credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshmen Orientation	1	GST 101 Freshman Orientation	1
RDG 110 Read. for Coll. Students	3	HIS 110 World History to 1600	3

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
*CHE 140 General Chemistry*1	3	**ENG 110 English Composition 1	3
*CHE 150 General Chemistry 1 Lab	1	CHE 160 General Chemistry 11	3
PED Physical Education	1	CHE 170 General Chemistry II Lab	1
H1S 100 Social Institutions	3	MAT 124 College Trigonometry	3
MAT 123 College Algebra	3	HED 112 Personal Hygiene	2
	15		16

SOPHOMORE YEAR

SPE 200 Introduction to Speech	3	MAT 241 Cal. with Anal. Geo. 11	4
MAT 142 Cal. with Anal. Geo. 1	4	CHE 210 Analytical Chemistry	5
ENG 120 English Composition 11	3	General Studies Requirement	3
General Studies Requirement	3	Electives	3
Elective	3		15
	16		

JUNIOR YEAR

CHE 221 Organic Chemistry 1	3	CHE 222 Organic Chemistry 11	3
CHE 231 Organic Chemistry 1 Lab	1	CHE 232 Organic Chemistry 11 Lab	2
PHY 111 Physics	4	PHY 112 Physics	4
CSC 101 Comp. Prog. Lang. (FROTRAN)	3	Elective in Science-Math ***	4
Elective***	3	Elective***	3
	14		16

SENIOR YEAR

CHE 321 Thermodynamics	3	CHE Elective***	4
CHE 331 Thermodynamics Lab	2	Elective in Science-Math***	4
CHE 410 Seminar in Chemical Lit.	1	Electives***	6
Elective in Science or Math***	3-4		14
Elective***	6		
	15-16		

*CHE 140 is reached by placement examination. Students not successfully completing the placement take 120 followed by CHE 130 and 150 rather than CHE 140 and 150.

**ENG 110 is reached by placement examination or by successfully completing ENG 101.

***See "Electives" pages 118-119.

PROGRAM REQUIREMENTS

MINOR IN PHYSICS

Minor Course Credits (Minimum of 20 credits)..... 20 credits

PHY 101 Physics I	4
PHY 102 Physics II	4
PHY 111 General Physics I	4
PHY 112 General Physics II	4
PHY 211 Mechanics	4
PHY 212 Heat	4
PHY 311 Electricity and Magnetism I	4
PHY 312 Electricity and Magnetism II	4

Other Program Requirements.....

In addition to the curriculum requirement in the General Studies Core Program, students minoring in physics are required to pursue a program of at least twenty (20) credits in physics. The student would begin his program of study in physics no later than his sophomore year. A minimum overall average of "C" is required in all physics courses.

DEPARTMENT OF SOCIAL SCIENCES

DEGREES OFFERED

Criminal Justice.....A.A., B.S.
Geography.....A.A., B.A.
History.....A.A., B.A.
Political Science.....A.A., B.A.
Police Science Track.....A.A., B.A.
Public Administration Track.....A.A., B.A.
Social Studies Education.....B.S.
History Concentration.....B.S.
Political Science Concentration.....B.S.

PROGRAMS

Included in the Department of Social Sciences are the following bachelor programs: Criminal Justice (non-teaching), Geography (non-teaching), History (non-teaching), Political Science (non-teaching), Social Studies concentrations in History and Political Science (teaching), and degree program tracks in Police Science and Public Administration. Associate programs are offered in Criminal Justice, Geography, History, Police Science, Political Science and Public Administration. Minors are offered in all the disciplines in the Department.

PROGRAM REQUIREMENTS

BACHELOR OF SCIENCE IN CRIMINAL JUSTICE (NON-TEACHING)

General Studies Core Curriculum Credits.....41-43 credits

Students may satisfy the General Studies requirement by taking six (6) semester hours in:

ART 210 Survey of Art	3
ENG 211 & ENG 212 World Literature I and II	6
PHL 210 Introduction to Philosophy	3
ART 210 Survey of Art OR	
MUS 210 Music Appreciation	3
HUM 211 & HUM 212 Humanities - Music, Art and Ideas	6

Major Course Credits.....30 credits

CJC 200 Introduction to the Criminal Justice System	3
CJC 201 Introduction to Law Enforcement	3
CJC 220 Introduction to Corrections	3
CJC 300 Criminal Law	3
CJC 310 Community-Based Corrections	3
CJC 320 Criminal Court Procedures - American Court System	3
CJC 411 Criminal Justice Research	3
CJC 430 Internship in the Criminal Justice System	3
CJC Electives	6

Minor Course Credit.....

A. Criminal Justice Majors.....18 credits

Students may select a minor from any one of the following disciplines: Political Science, Public Administration, Psychology.

B. Non-Criminal Justice Majors.....21 credits

Students desiring a minor in criminal justice must take the following courses:

CJC 200 Introduction to the Criminal Justice System	3
CJC 300 Criminal Law	3
CJC 220 Introduction to Corrections	3
CJC 320 Criminal Court Procedures American Court System	3
CJC Electives	9

Electives.....57 credits

Humanities, Math or Science Social Science open.

Strongly recommended:

PSY 380 Behavior Modification.....	3
PSY 422 Abnormal Psychology	3
POL 321 Public Personnel Management	3
H/P 314	3

Others:

PSY 300 Drugs and Behavior	3
PSY 360 Social Psychology	3
PSY 432 Principles of Counseling	3
SOC 442 Urban Sociology	3
H/P 341 Consitutional Law and History	3

Other Program Requirements.....

There are no special admission requirements for the Criminal Justice program. Any student may major in criminal justice. Students must maintain a "C" average in all

criminal justice courses for graduation. They must maintain a "C" average in all other University courses in order to graduate.

Curriculum Requirements for Bachelor of Science degree in Criminal Justice (Non-Teaching)..... 128-130 credits

CRIMINAL JUSTICE (NON-TEACHING)

B.S. Degree (128-130 credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
*ENG 101 Basic Grammar	3	GST 101 Freshman Orientation	1
GST 100 Freshman Orientation	1	ENG 110 Composition I	3
MAT 111 Quant. & Anal. Thinking OR		MAT 112 Quan. & Anal. Thinking OR	
MAT 123 College Algebra	3	MAT 124 College Trigonometry	3
HIS 100 Social Institutions	3	Natural Science Electives	3-4
Natural Science Elective	3-4	HIS 110 World History to 1600	3
RDG 110 Read. for Coll. Students	3	HED 112 Personal Hygiene	2
Physical Education	1	SPE 200 Introduction to Speech	3
	17-18		18-19

SOPHOMORE YEAR

SOC 210 Principles of Sociology	3	ECO 200 Basic Economics	3
ENG 120 English Composition II	3	POL 210 Prin. of American Govt.	3
CJC 200 Intro. to the Crim. Just. System	3	CJC 210 Intro. to Law Enforcement	3
Computer Science Elective	3	PSY 210 General Psychology	3
**General Studies Requirement	3	**General Studies Requirement	3
Minor	3	Minor	3
	18		18

JUNIOR YEAR

SOC 340 Crime & Delinquency	3	H/P 342 Civil Rights & Const.	3
SOC 331 Social Statistics	3	CJC 310 Community Based Corrections	3
CJC 300 Criminal Law	3	CJC 320 Criminal Court Procedures American Court Systems	3
CJC 220 Intro. to Corrections	3	CJC Elective	3
CJC 320 State and Local Govt.	3	Minor	3
	15		15

SENIOR YEAR

CJC 411 Criminal Just. Research	3	SOC Elective	3
Minor	6	CJC 430 Internship/SS Internship	3
POL Elective	3	CJC Elective	3
Psychology Elective	3	Minor	3
	15		12

*Student may test out of this course.

**Student may satisfy this requirement by taking six (6) semester hours in ART 210, MUS 210, ENG 211, and 212, PHL 210 and either ART 210 or MUS 210, HUM 211 and 212 or one year of foreign language.

PROGRAM REQUIREMENTS

BACHELOR OF ARTS IN GEOGRAPHY (NON-TEACHING)

General Studies Core Curriculum Credits..... 45-46 credits
Major Course Credits.....
Discipline..... 30 credits

GEO 210 Principles of Geography	3
GEO 220 World Geography	3
GEO 310 Economic Geography	3
GEO 311 Cartography	3
GEO 340 Cultural Geography	3
GEO 350 Physical Geography	3
GEO 440 Urban Geography	3
GEO 480 Seminar in Geography	3
Two (2) other geography	6

Minor Course Credit.....

Select minor from any academic discipline from any department of University.

A. Geography Majors..... 18 credits

Select minor from any academic discipline from any department of the University.

B. Non-Geography Majors..... 18 credits

Geography required courses:

GEO 210 Principles of Geography	3
GEO 220 World Geography	3
Geography Electives: 4 other geography courses	12

Concentration Course Credits..... N/A

Electives..... 18 credits

Select 12 credits from any academic disciplines from any Department of the University.

Select 3 credits from any of the following disciplines: history, criminal justice or political science.

Other Program Requirements.....

A student is required to maintain an overall "C" average in major courses.

Students who wish to major in geography after having attended other universities, colleges, junior colleges, or technical institutes are encouraged to enter the program. The student may transfer any compatible course in which he has earned credits at his/her former institution. He must satisfy the "Transfer Students" requirements of the University.

The Department is open to any student seeking a major, minor, or electives in geography. The student is free to select a minor in any academic area of his/her choice. Students from any academic area of any department of the University may take geography courses to meet their requirements of electives. (Geography is an interdisciplinary field of study).

The geography degree program also offers the possibility of a double major. See the Head of the Department.

Curriculum Requirements for Bachelor of Arts degree in Geography (Non-Teaching)..... 123-124 credits

GEOGRAPHY (NON-TEACHING)

B.A. Degree (123-124 credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
MAT 111 Quan. & Anal. Thinking OR		MAT 112 Quan. & Anal. Thinking OR	
MAT 123 College Algebra	3	MAT 124 College Trigonometry	3
*ENG 101 Basic Grammar	3	ENG 110 English Composition I	3
HIS 100 Social Institutions	3	HIS 110 World History to 1600	3
PED Physical Education	1	HED 110 Personal Hygiene	2
RDG 110 Read. for Coll. Students	3	Science Elective	4
Science Requirements	3-4		16
	17-18		

SOPHOMORE YEAR

ENG 120 English Composition II	3	SPE 200 Introduction to Speech	3
General Studies Requirement	3	General Studies Requirement	3
GGY 210 Principles of Geography	3	GGY 220 World Regional Geography	3
SOC 210 Principles of Sociology	3	POL 210 Prin. of American Govt.	3
ECO 200 Basic Economics	3	HIS 120 World History Since 1600	3
	15		15

JUNIOR YEAR

Minor	3	Minor	3
GGY 310 Economic Geography	3	GGY 350 Physical Geography	3
GGY 311 Cartography	3	GGY Electives	3
GGY 340 Cultural Geography	3	Electives	6
Electives	3		15
	15		

SENIOR YEAR

Minor	6	Minor	6
GGY Elective	3	GGY 440 Urban Geography	3
Social Science Elective	3	GGY 480 Seminar in Geography	3
Electives	3	Electives	3
	15		15

*Students will be placed in ENG 101 on ENG 110 based on the results of the English placement examination.

PROGRAM REQUIREMENTS

BACHELOR OF ARTS IN HISTORY (NON-TEACHING)

General Studies Core Curriculum Credits..... 44-46 credits

Major Course Credits..... 33 credits

HIS 120 World History from 1600	3
HIS 211 The United States to 1865	3
HIS 212 The United States to 1865	3
HIS 311 Modern European History, 1648-1815	3
HIS 312 Modern European History, 1815-Present	3
HIS 490 Senior Seminar: Selected Topics	3
Six (6) credits in Asian, African or Latin American History	6
Nine (9) credits in History beyond HIS 100, 110-120 in addition to the above requirements	9

Minor Course Credit..... 18 credits

A. History Majors..... 18 credits

Students may select 18 hours from any discipline in the University

B. Non-History Majors..... 18 credits

HIS 211 The United States to 1865	3
HIS 212 The United States from 1965	3
HIS 311 Modern Europe 1948-1815	3
HIS 312 Modern Europe 1815 to Present	3
Three (3) credits in Asian, African or Latin American History	3
Three (3) credits of a history electives in addition to the above requirements	3

Concentration..... N/A

Electives..... 39 credits

Open	3
Social Science	21
HIS/POL/ECO/SOC	15

Other Requirements..... 12 credits

A student must maintain a "C" (2.00) average in all history courses to qualify for

graduation. He must maintain the same average in the courses that are used for the minor or concentration as well as an overall "C" average for the University in order to graduate.

Curriculum Requirements for Bachelor of Arts degree in History (Non-Teaching)..... 123-124 credits

HISTORY
(NON-TEACHING)

B.A. Degree (123-124 credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
*ENG 101 Basic Grammar	3	GST 101 Freshman Orientation	1
GST 100 Freshman Orientation	1	ENG 110 English Compostion I	3
MAT 111 Quant. & Anal. Thinking	3	MAT 112 Quan. & Anal. Thinking	3
HIS 100 Social Institutions	3	Science Requirement	3-4
Science Requirement	3-4	HIS 110 World History to 1600	3
RDG 110 College Reading	3	HED 112 Personal Hygiene	2
Physical Education	1	SPE 200 Introduction to Speech	3
	17-18		18-19

SOPHOMORE YEAR

HIS 120 World History Since 1600	3	POL 210 Prin. of American Govt.	3
HIS 211 The U.S. to 1865 OR		HIS 212 The U.S. Since 1865 OR	
HIS 311 Modern Europe 1648-1815	3	HIS 312 Modern Europe 1815-Present	3
General Studies Requirement	3	ECO 200 Basic Economics	3
ENG 120 English Composition II	3	General Studies Requirement	3
Elective	3	GGY 210 Principles of Geography	3
	15		15

JUNIOR YEAR

Minor	3	Minor	9
HIS/POL/ECO/SOC Electives	12	HIS/POL/ECO/ Electives	6
	15		15

SENIOR YEAR

HIS 490 Senior Seminar	3	Social Science Electives	9
Social Science Electives	12	Minor	3
	15		12

PROGRAM REQUIREMENTS

BACHELOR OF ARTS IN POLITICAL SCIENCE
(NON-TEACHING)

General Studies Core Curriculum Credits..... 44-46 credits

*English Requirements:
Students will be placed in ENG 101 or ENG 110 based on the results of the English placement examination.

Major Course Credits..... 30 credits

POL 210 American National Government	3
POL 320 State and Local Government	3

Select Six (6) hours from the following group:

POL 350 Government and Politics	3
POL 351 Government and Politics of Europe	3
POL 342 Government and Politics of Asia	3
H/P 310 Political History of Contemporary China	3
POL 450 History of Political Theory I	3
POL 460 History of Political Theory II	3

Select three (3) hours from the following group:

POL 471 Research Methodology	3
POL 480 490 Advanced Reading and Research	3
POL 490 Advanced Reading and Research	3
Political Science Electives	3

Minor Course Credit.....

A. Political Science Majors..... 18 credits

It is recommended that political science majors pursue a minor in one of the following fields: public administration, police science, criminal justice, sociology, psychology, history, geography, French, Spanish.

B. Non-Political Science Majors..... 18 credits

Non-political science majors must complete the following courses for a minor in Political Science: POL 210, POL 320, 350/351/352/, H/P 310, POL 450, and POL 460; Political Science Electives.

Electives..... 3 credits

Students may select three (3) credits from any discipline in the University.

Other Program Requirements.....

A student must maintain a "C" average (2.00) in all political science courses to qualify for graduation. He/she must maintain the same average in the courses that are used for the minor or concentration as well as an overall "C" average for the University in order to graduate.

Curriculum Requirements for Bachelor of Arts degree in Political Science (Non-Teaching)..... 123-124 credits

POLITICAL SCIENCE
(NON-TEACHING)

B.A. Degree (123-124 credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
*ENG 101 Basic Grammar	3	ENG 110 English Composition I	3
MAT 111 Quan. & Anal. Thinking OR		HIS 110 World History to 1600	3
MAT 123 College Algebra	3	MAT 112 Quan. & Anal. Thinking OR	
HIS 100 Social Institutions	3	MAT 124 College Trigonometry OR	
Science Elective	3-4	MAT 140 Applied Calculus	3
PED Physical Education	1	Science Elective	3-4
RDG 110 Read. for Coll. Students	3	HED 112 Personal Hygiene	2
	17-18		15-16

SOPHOMORE YEAR

POL 210 Prin. of American Govt.	3	ECO 200 Basic Economics	3
ENG 120 English Composition II	3	HIS 212 The U.S. Since 1865	3
HIS 120 World History Since 1600	3	SOC 210 Prin. of Sociology	3
HIS 211 The U.S. to 1865	3	GGY 220 World Regional Geography	3
General Studies Requirement	3	General Studies Requirement	3
	15	SPE 200 Introduction to Speech	3
			18

JUNIOR YEAR

POL 350/351/352 or H/P 310	3	POL 350/351/352 or H/P 310	3
POL 220 Public Administration	3	POL 450 History of Pol. Theory I	3
**POL Electives	9	**POL Electives	9
	15		15

SENIOR YEAR

POL 460 History of Pol. Theory II	3	Elective	3
Minor	12	POL 471/480/490	6
	15		12

*English requirement:
Students will be placed in ENG 101 or ENG 110 based on the results of the English placement Test.
**SOC 331 and PSY 230 are strongly recommended for non-teaching majors as electives.

PROGRAM REQUIREMENTS

BACHELOR OF ARTS IN POLITICAL SCIENCE
POLICE SCIENCE TRACK
(NON-TEACHING)

General Studies Core Curriculum Credits..... 44-46 credits

Major (Track) Course Credits..... 30 credits

PCS 101 Introduction to Law Enforcement	3
PSC 102 Highway Traffic Administration	3
PSC 111 Criminal Law (CJC 300)	3
PSC 210 Criminal Investigation	3
PSC 221 Introduction to Criminalistics	3
PSC 230 Criminal Evidence	3
PSC 232 Police Organization and Administration	3
SOC 340 Crime and Delinquency	3
H/P 341 Constitutionsl Law and History	3
H/P 342 Civil Rights and the Constitution	3

Major Course Credits.....

A. Police Science Majors.....N/A

B. Non-Police Science Majors.....18 credits

PSC 101 Introduction to Law Enforcement	3
PSC 102 Highway Traffic Administration	3
PSC 210 Criminal Investigation	3
PSC 230 Criminal Evidence	3
Police Science Elective	6

Concentration Course Credits.....N/A

Electives: Open.....6 credits

Other Requirements.....

A student must maintain a "C" (2.00) average in all police science courses to qualify for graduation. He must maintain the same average in the courses that are used for the minor or concentration as well as an overall "C" average for the University in order to graduate.

Curriculum Requirements for Bachelor of Arts degree in Political Science - Police Science Track (Non-Teaching).....124-125 credits

POLITICAL SCIENCE
POLICE SCIENCE TRACK
(NON-TEACHING)

B.A. Degree (124-125 credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
*ENG 101 Basic Grammar	3	ENG 110 English Composition 1	3
HIS 100 Social Institutions	3	HIS 110 World History to 1600	3
Science Elective	3-4	HED 112 Personal Hygiene	2

*Students will be placed in ENG 101 or ENG 110 based on the results of the English placement examination.

MAT 111 Quan. & Anal. Thinking OR		Science Elective	3-4
MAT 123 College Algebra	3	MAT 112 Quan. & Anal. Thinking OR	
PED Physical Education	1	MAT 124 College Trigonometry OR	
RDG 110 Read. for Coll. Students	3	MAT 140 Applied Calculus	3
	17-18		15-16

SOPHOMORE YEAR

HIS 120 World History Since 1600	3	SPE 200 Introduction to Speech	3
HIS 211 The U.S. to 1865	3	HIS 212 The U.S. Since 1865	3
ENG 120 English Composition II	3	POL 210 Prin. of American Govt.	3
ART 432 Basic Photography	4	GGY 220 World Regional Geography	3
General Studies Requirement	3	ECO 200 Basic Economics	3
	16	General Studies Requirement	3
			18

JUNIOR YEAR

PSC 101 Intro. to Law Enforcement	3	H/P 342 Civil Rights & Const.	3
PSC 232 Police Organ. & Admin.	3	SOC 210 Princ. of Sociology	3
PSY 210 General Psychology	3	PSC 111 Criminal Law	3
H/P 341 Const. Law & History	3	PSC 102 Highway Traffic Admin.	3
PSC 230 Criminal Evidence	3	POL 450 History of Pol. Theory I	3
	15		15

SENIOR YEAR

SOC 340 Crime & Delinquency	3	POL 320 State & Local Govt.	3
SPE 310 Public Speaking OR		PSC 221 Intro. to Criminalistics	3
SPE 401 Argumentation and Debate	3	EDU 340 Human Development	3
POL 460 Hist. of Pol. Theory II	3	Elective	3
Elective	3		12
	12		

PROGRAM REQUIREMENTS

BACHELOR OF ARTS IN POLITICAL SCIENCE PUBLIC ADMINISTRATION TRACK (NON-TEACHING)

General Studies Core Curriculum Credits..... 45-46 credits

Major (Track) Course Credits..... 36 credits

POL 210 American National Government	3
POL 220 Introduction to Public Administration	3
POL 301 Organization Theory	3
POL 312 Public Leadership and Management	3
POL 320 State and Local Government	3
POL 401 Federalism and Intergovernmental Relations	3
POL 420 Research Methods in Public Management	3
POL 442 Public Policy Analysis	3
POL 450 History of Political Theory I	3
POL 470 Government Internship	3
POL 471 Research Seminar	3
POL 490 Advanced Reading and Research	3

Minor Course Credit.....

A. Public Administration Track Students.....

Students may select a minor from any other discipline in the University.

B. Non-Public Administration Track Students.....18 credits

Students desiring to minor in public administration must take the following courses:

POL 220 Introduction to Public Administration	3
POL 301 Organization Theory	3
POL 312 Public Leadership and Management	3
POL 401 Federalism and Intergovernmental Relations	3
Public Administration (PAD) Electives	6

Concentration Course Credits.....N/A

Electives.....6 credits

Electives may include:

BAD 200 Introduction to Data Processing	3
CSC 200 Computer Operation	3
PSY 230 or Other courses in Business, Psychology or Computer Science	3

Other Requirements.....

Governmental Internship is required of all pre-service students. In-service students can choose another elective in lieu of POL 470.

A student must maintain a "C" (2.00) average in all public administration courses as well as an overall "C" average for the University in order to graduate.

Curriculum Requirements for Bachelor of Arts degree in Political Science - Public Administration Track (Non-Teaching).....126-127 credits

POLITICAL SCIENCE
PUBLIC ADMINISTRATION TRACK
(NON-TEACHING)

B.A. Degree (126-127 credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
*ENG 101 Basic Grammar	3	ENG 110 English Composition 1	3

*Students will be placed in ENG 101 or ENG 110 based on the results of the English Test.

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
MAT 111 Quan. & Anal. Thinking OR		HIS 110 World History to 1600	3
MAT 123 College Algebra	3	MAT 112 Quan. & Anal. Thinking OR	
HIS 100 Social Institutions	3	MAT 124 College Trigonometry	3
Science Elective	3-4	Science Elective	3-4
PED Physical Education	1	HED 112 Personal Hygiene	2
GST 110 Read. for Coll. Students	3	SPE 200 Introduction to Speech	3
	17-18		18-19

SOPHOMORE YEAR

CSC 100 Intro. to Comp. Science	3	POL 220 Prin. of Public Adminis.	3
ENG 120 English Composition II	3	ECO 200/211	3
POL 210 Prin. of American Govt.	3	HIS 212 The U.S. Since 1865	3
HIS 120 World History Since 1600	3	SOC 210 Principles of Sociology	3
HIS 211 The U.S. to 1865	3	GGY 210/220 Geography	3
General Studies Requirement	3	General Studies Requirement	3
	18		18

JUNIOR YEAR

SOC 331 Social Statistics	3	POL 312 Public Leadership & Mgmnt.	3
Elective	3	POL 401 Fed. & Intergovt. Relations	3
POL 320 State and Local Govt.	3	POL 450 History of Pol. Theory 1	3
POL 301 Organizational Theory	3	POL 471 Research Seminar	3
Elective Public Administration	3	Elective Public Administration	3
	15		15

SENIOR YEAR

POL 420 Res. Methods Pub. Mgmt.	3	POL 442 Public Policy ANalysis	3
**POL 470 Government Internship	3	POL 490 Adv. Reading & Research	3
***Elective	6	Elective	6
	12		12

PROGRAM REQUIREMENTS

BACHELOR OF SCIENCE IN SOCIAL SCIENCES EDUCATION CONCENTRATION IN HISTORY (TEACHING)

General Studies Core Curriculum Credits..... 44-46 credits

Major Course Credits..... 33 credits

A. Discipline..... 33 credits

HIS 120 World History from 1600	3
HIS 211 The United States to 1865	3
HIS 212 The United States from 1865	3
ECO 200 Basic Economics	3
POL 210 Principles of American Government	3

*English Requirement

**Government Internship is required of all pre-service students. In-service students may choose another elective in lieu of POL 470.

***Electives may include: BAD 200, PSY 230, CSC 200, or ECO 330.

GGY 220 World Regional Geography	3
HIS 311 Modern European History, 1648-1815	3
HIS 312 Modern European History, 1815-Present	3
HIS Elective	3
SOC 210 Principles of Sociology	3
GGY 210 or HIS Elective	3

B. Professional Education..... 25 credits

EDU 210 Laboratory Experience in Area Schools	1
EDU 310 Foundations of Education	3
RDG 320 Teaching Reading in Secondary Schools	3
EDU 330 Educational Psychology and Measurement	3
EDU 340 Human Development	3
EDU 421 Principles of Secondary Education	3
EDU 460 Methods & Materials in Sec. Sch. - Social Studies	3
EDU 480 Student Teaching in the Secondary School	6

Minor Course Credit..... N/A

Concentration Course Credits..... 27 credits

HIS 120 World History Since 1600	3
HIS 211 The United States to 1865	3
HIS 312 The United States to 1865	3
HIS 311 Modern European History	3
HIS 312 Modern European History, 1815-Present	3
HIS 390 North Carolina History	3
HIS 460 Senior Seminar: Problems in American History	3
H/P Elective	3
HIS Elective	3

Electives..... 9 credits

Open

Other Requirements.....

Students may apply for admission to Teacher Education after successful completion of Core Batteries I and II. They must also apply for Student Teaching and pass Core Battery III to be considered for certification.

Curriculum Requirements for Bachelor of Science degree in Social Studies Education Concentration in History (Non-Teaching)..... 127-128 credits

SOCIAL STUDIES EDUCATION
CONCENTRATION IN HISTORY
(TEACHING)

B.S. Degree (127-128 credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
*ENG 101 Basic Grammar	3	ENG 110 English Composition 1	3
HIS 100 Social Institutions	3	HIS 110 World History to 1600	3
MAT 111 Quan. & Anal. Thinking OR		HED 112 Personal Hygiene	2
MAT 123 College Algebra	3	MAT 112 Quan. & Anal. Thinking OR	
PED Physical Education	1	MAT 124 College Trigonometry	3
Science Elective	3-4	Science Elective	4
RDG 110 Read. for Coll. Students.	3	SPE 200 Introduction to Speech	3
	17-18		19

SOPHOMORE YEAR

HIS 120 World History Since 1600	3	HIS 212 The U.S. Since 1865	3
HIS 211 The U.S. to 1865	3	ECO 200 Basic Economics	3
ENG 120 English Composition II	3	POL 210 Prin. of American Govt.	3
EDU 211 Lab. Exper. - Area Schls.	1	GGY 220 World Regional Geography	3
General Studies Requirement	3	General Studies Requirement	3
Elective	3		15
	16		

JUNIOR YEAR

EDU 340 Human Development	3	HIS 312 Mod. Eur. 1815-Present	3
HIS 390 History of North Carolina	3	EDU 330 Edu. Psych. & Measurement	3
EDU 310 Foundations of Education	3	SOC 210 Principles of Sociology	3
HIS 311 Mod. Eur. 1648-1815	3	HIS Elective	3
H/P Elective	3	Elective	3
	15		15

SENIOR YEAR

HIS 490 Senior Seminar	3	EDU 421 Prin. of Secondary Edu.	3
SOC or ECO Elective	3	EDU 460 Methods	3
RDG 320 Tch. Read. - Sec. Schls.	3	EDU 480 Student Teaching	6
Electives	6		12
	15		

PROGRAM REQUIREMENTS

BACHELOR OF SCIENCE IN SOCIAL SCIENCES EDUCATION
CONCENTRATION IN POLITICAL SCIENCE
(TEACHING)

General Studies Core Curriculum Credits..... 45-46 credits

Major Course Credits.....

A. Discipline..... 30 credits

HIS 120 World History Since 1600 3

*Students will be placed in ENG 101 or ENG 110 based on the results of the English placement examination.

HIS 211 The U.S. to 1865	3
HIS 212 The U.S. Since 1865	3
HIS Electives (9 credits)	3
POL 210 Principles of American Government	3
ECO 200 Basic Economics	3
SOC 210 Principles of Sociology	3
GGY 220 World Regional Geography	3

B. Professional Education..... 25 credits

EDU 211 Laboratory Experience in Area Schools	1
EDU 310 Foundations of Education	3
EDU 320 Teaching Reading in Secondary Schools	3
EDU 330 Educational Psychology and Measurement	3
EDU 340 Human Development	3
EDU 421 Principles of Secondary Education	3
EDU 460 Mthds. & Matls. in Sec. Schls.-Social Studies	3
EDU 480 Student Teaching in Secondary Schools	6

Minor Course Credit..... N/A

Concentration Course Credits..... 24 credits

POL 340/351 or H/P 310	6
POL 450 History of Political Theory I	3
POL 460 History of Political Theory II	3
POL 471/480/490	3
POL Electives	9

Elective..... N/A

Other Program Requirements.....

Students must apply for admission to Teacher Education after successful completion of Core Batteries I and II. They must also apply for student teaching and pass Core Battery III for certification.

Curriculum Requirements for Bachelor of Science degree in Social Sciences Education Concentration in Political Science (Teaching)..... 124-125 credits

SOCIAL SCIENCES EDUCATION CONCENTRATION IN POLITICAL SCIENCE (TEACHING)

B.S. Degree (124-125 credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
*ENG 101 Basic Grammar	3	ENG 110 English Composition I	3
HIS 100 Social Institutions	3	HIS 110 World History to 1600	3
Science Elective	3-4	HED 112 Personal Hygiene	2
MAT 111 Quan. & Anal. Thinking OR		Science Elective	3-4

*Students will be placed in ENG 101 or ENG 110 based on the results of the English placement examination.

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
MAT 123 College Algebra	3	MAT 112 Quan. & Anal. Thinking OR	
PED Physical Education	1	MAT 124 College Trigonometry OR	
RDG 110 Read. for Coll. Students	3	MAT 140 Applied Calculus	3
	17-18		16-17

SOPHOMORE YEAR

HIS 120 World History Since 1600	3	SPE 200 Introduction to Speech	3
HIS 211 The U.S. to 1865	3	HIS 212 The U.S. Since 1865	3
ENG 120 English Composition II	3	ECO 200 Basic Economics	3
EDU 211 Lab. Exper. - Area Schls.	1	SOC 210 Principles of Sociology	3
POL 210 Prin. of American Govt.	3	GGY 220 World Regional Geography	3
General Studies Requirement	3	General Studies Requirement	3
	16		18

JUNIOR YEAR

EDU 340 Human Development	3	EDU 330 Edu. Psych. & Measurement	3
EDU 310 Foundation of Education	3	POL 450 History of Pol. Theory I	3
POL 350/351/352 or H/P 310	3	POL 350/351/352/ or H/P 310	3
POL Elective	3	POL Elective	3
HIS Elective	3	HIS Elective	3
	15		15

SENIOR YEAR

POL 460 History of Pol. Theory II	3	EDU 421 Princ. of Secondary Educ.	3
RDG 320 Tch. Read. - Sec. Schls.	3	EDU 460 Methods	3
POL 471/480/490	3	EDU 480 Student Teaching	6
POL Elective	3		12
POL Elective	3		
	15		

SCHOOL OF BUSINESS AND ECONOMICS

The School of Business and Economics offers undergraduate curricula leading to the Bachelor of Science degree. Students may choose a major in one of the following programs: Business Administration, Accounting, Economics, Business Education, Marketing and Distributive Education, and Office Administration.

DEGREES OFFERED

Accounting (Non-Teaching)
Business Administration (Non-Teaching)
Basic Business Education (Teaching)
Comprehensive Business Education (Teaching)
Marketing and Distributive Education (Teaching)
Office Administration (Non-Teaching)
Economics (Non-Teaching)

DEPARTMENT OF BUSINESS ADMINISTRATION

DEGREES OFFERED

Accounting..... B.S.
Business Administration..... A.A., B.S.

PROGRAM

Included in the Department of Business Administration are the following programs: Accounting (Non-Teaching) and Business Administration (Non-Teaching). An Associate program is offered in Business Administration. Minors are offered in all the disciplines in the Department.

PROGRAM REQUIREMENTS

BACHELOR OF SCIENCE IN ACCOUNTING (NON-TEACHING)

General Studies Core Curriculum Credits..... 43 credits (Minimum)

ENG 110 English Compostion I	3
ENG 120 English Composition II	3
General Studies Requirement	3
General Studies Requirement	3
GST 100 Freshman Orientation	1
GST 101 Freshman Orientation	1

RDG 110 Reading for College Students 3
HED 112 Personal Hygiene 2

HIS 100 Social Institutions 3
HIS 110 World History to 1600 3

MAT 123 College Algebra 3
MAT 140 Applied Calculus 3

PED Physicai Education 1

Science Elective 4
Science Elective 4

SPE 200 Speech 3

Major Course Credits.....

Discipline.....72 credits

ACT 211 Principles of Accounting I 3
ACT 212 Principles of Accounting II 3
ACT 311 Intermediate Accounting I 3
ACT 312 Intermediate Accounting II 3
ACT 320 Federal & State Income Tax 3
ACT 321 Cost Accounting 3
ACT 430 Accounting Theory 3
ACT 422 Auditing 3

BAD 200 Introduction to Data Processing 3
BAD 311 Statistics for Business & Economics I 3
BAD 312 Statistics for Business & Economics II 3
BAD 411 Business Law I 3
BAD 412 Business Law II 3

BED 310 Business Communications 3

ECO 211 Principles of Economics - Macroeconomics I 3
ECO 212 Principles of Economics - Microeconomics II 3
ECO 320 Money, Banking & Financial Institutions 3

FIN 311 Principles of Finance 3

MGM 311 Principles of Management 3
MGM 330 Production Management 3
MGM 430 Business Policy 3

MKT 310 Marketing 3

POL 210 Principles of American Government 3

PSY 210 Psychology 3

Concentration Course Credits..... 15 credits

Non Business Elective	3
ACT/MGM/MKT/ECON	6
ACT/MGM/MKT/ECON	6

Curriculum Requirements for Bachelor of Science degree in Accounting (Non-Teaching)..... 130 credits

ACCOUNTING (NON-TEACHING)

B.S. Degree (130 Credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Orientation	1	GST 101 Orientation	1
Science Elective	4	Science Elective	4
MAT 123 College Algebra	3	MAT 140 Applied Calculus	3
ENG 110 English Composition I*	3	ENG 120 English Composition II	3
HIS 100 Social Institutions	3	HIS 110 World History to 1600	3
RDG 110 Read. for College Students	3	HED 112 Personal Hygiene	2
	17		16

SOPHOMORE YEAR

General Studies Requirement	3	General Studies Requirement	3
ACT 211 Prin. of Accounting I	3	ACT 212 Prin. of Accounting II	3
ECO 211 Prin. of Econ.-Macro.	3	ECO 212 Prin. of Econ.-Micro.	3
BAD 200 Intro to Data Processing	3	PSY 210 Psychology	3
BAD 311 Stat. for Bus. & Econ. I	3	BAD 312 Stat. for Bus. & Econ. II	3
PED Physical Education	1	SPE 200 Intro. to Speech	3
	16		18

JUNIOR YEAR

ACT 311 Interm. Accounting I	3	ACT 312 Interm. Accounting II	3
ACT 320 Fed. & Stat. Income Tax	3	ACT 321 Cost Accounting	3
MGM 311 Prin. of Management	3	BAD 411 Business Law I	3
BED 310 Business Communications	3	MKT 310 Marketing	3
POL 210 Prin. of American Gov.	3	FIN 311 Prin. of Finance	3
	15	Non-Business Elective	3
			18

SENIOR YEAR

ACT 430 Accounting Theory	3	ECO 320 Money, Banking & Fin. Inst.	3
MGM 330 Production Management	3	MGM 430 Business Policy	3
BAD 412 Business Law II	3	ACT 422 Auditing	3
ACT/MGM/MKT/ECO	6	ACT/MGM/MKT/ECO	6
	15		15

*Students will be placed in ENG 101 or ENG 110 based on the results of the English placement examination.

PROGRAM REQUIREMENTS
BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION
(NON-TEACHING)

General Studies Core Curriculum Credits..... 43 credits

Major Course Credit.....

Discipline..... 57 credits

BAD 210 Math for Business	3
ACT 211 Principles of Accounting I	3
ECO 211 Principles of Economics - Macroeconomics	3
ECO 212 Principles of Economics - Microeconomics	3
ACT 212 Principles of Accounting II	3
ACT 311 Intermediate Accounting I	3
MGM 311 Principles of Management	3
BED 220 Business Machines	3
BAD 411 Business Law I	3
MKT 310 Marketing	3
BAD 311 Statistics for Business & Economics	3
BED 310 Business Communication	3
Elect: Any Advanced ACT course	3
FIN 311 Principles of Finance	3
BAD 200 Introduction to Data Processing	3
MGM 420 Human Relations in Business	3
ECO 311 Intermediate Economic Theory, OR	
ECO 430 Economic Problems	3
ECO 320 Money, Bank & Financial Institutions	3
MGM 430 Business Policy	3

Concentration Course Credit..... 15 credits

Business Electives are to be selected from: Accounting, Finance, Management, Economics, Marketing, or Computer Science.

Concentration Electives.....

ACCOUNTING

ACT 310 Managerial Accounting	3
ACT 312 Intermediate Accounting II	3
ACT 320 Federal and State Income Taxes	3
ACT 321 Cost Accounting	3
ACT 322 Advanced Cost Accounting	3
ACT 411 Advanced Accounting	3
ACT 412 Governmental and Public Accounting	3
ACT 420 Advanced Federal Income Taxes	3
ACT 421 Accounting Systems	3
ACT 422 Auditing	3

BAD 312 Statistics for Business & Economics II	3

BAD 320 Quality Control & Industrial Statistics	3
BAD 412 Business Law	3
BAD 420 Survey of Sampling Techniques	3
BAD 430 Business Internship	3
BAD 490 Seminar in Business Administration	3
ECO 310 Managerial Economics	3
MGM 330 Production Management	3
CSC 101 or 102 Computer Science Course	3

ECONOMICS

BAD 312 Statistics for Business & Economics II	3
BAD 420 Survey of Sampling Techniques	3
BAD 430 Business Internship	3
BAD 240 Economics of the Black Community	3
BAD 310 Managerial Economics	3
ECO 311 Intermediate Economic Theory: Prod. & Distri.	3
ECO 312 Intermediate Economic Theory: Aggregate Econ. & Pol.	3
ECO 330 Public Finance	3
ECO 340 Economic Development	3
ECO 341 Regional Economics	3
ECO 343 Urban Economics	3
ECO 350 International Trade and Policy	3
ECO 360 Labor Economics	3
ECO 410 Economic History	3
ECO 411 History of Economic Thought	3
ECO 412 Econometrics	3
ECO 420 Comparative Economic Systems	3
ECO 430 Economic Problems	3
ECO 440 Seminar in Economics	3

FINANCE

ACT 310 Managerial Accounting	3
ACT 320 Federal and State Income Taxes	3
ACT 420 Advanced Federal Income Taxes	3
ACT 421 Accounting Systems	3
ACT 422 Auditing	3
BAD 312 Statistics for Business & Economics II	3
BAD 412 Business Law II	3
BAD 430 Business Internship	3
BAD 490 Seminar in Business Administration	3
ECO 310 Managerial Economics	3
ECO 311 Intermediate Economic Theory: Prod. & Distri.	3
ECO 312 Intermediate Economic Theory: Aggregate Eco. & Pol.	3

ECO 320 Money, Banking & Financial Institutions	3
ECO 330 Public Finance	3
ECO 350 International Trade and Policy	3
ECO 410 Economic History	3
ECO 411 History of Economic Thought	3
ECO 412 Econometrics	3
FIN 320 Financial Management	3
FIN 330 Personal Finance	3
FIN 340 Principles of Insurance	3
FIN 350 Real Estate	3
FIN 410 Investments	3
MGM 320 Small Business Management	3
MGM 330 Production Management	3
MGM 340 Hotel and Motel Management	3
MGM 410 Personnel Management	3

MANAGEMENT

ACT 310 Managerial Accounting	3
ACT 320 Federal and State Income Taxes	3
ACT 321 Cost Accounting	3
ACT 322 Advanced Cost Accounting	3
ACT 411 Advanced Accounting	3
ACT 412 Governmental and Public Accounting	3
ACT 420 Advanced Federal Income Taxes	3
ACT 421 Accounting Systems	3
ACT 422 Auditing	3
BAD 312 Statistics for Business & Economics II	3
BAD 320 Quality Control & Industrial Statistics	3
BAD 330 Industrial Relations & Labor Marketing	3
BAD 351 Survey of the Black Man's Role in the Bus. World	3
BAD 412 Business Law II	3
BAD 420 Survey of Sampling Techniques	3
BAD 430 Business Internship	3
BAD 490 Seminar in Business Administration	3
ECO 310 Managerial Economics	3
ECO 311 Intermediate Economic Theory: Prod. & Distrib.	3
ECO 312 Intermediate Economic Theory: Aggregate Eco. - Pol.	3
ECO 350 International Trade & Policy	3
FIN 330 Personal Finance	3
FIN 340 Principles of Insurance	3
FIN 350 Real Estate	3
MGM 320 Small Business Management	3
MGM 340 Hotel and Motel Management	3
MGM 410 Personnel Management	3

ACT 310 Managerial Accounting 3
ACT 320 Federal and State Income Taxes 3
ACT 420 Advanced Federal Income Taxes 3

BAD 312 Statistics for Business & Economics II 3
BAD 320 Quality Control & Industrial Statistics 3
BAD 330 Industrial Relations & Labor Marketing 3
BAD 351 Survey of the Black Man's Role in the Bus. World 3
BAD 352 The Black Man in Contemporary Capitalistic Soc. 3
BAD 412 Business Law II 3
BAD 420 Survey of Sampling Techniques 3
BAD 430 Business Internship 3
BAD 490 Seminar in Business Administration 3

FIN 340 Principles of Insurance 3
FIN 350 Real Estate 3

MKT 321 Salesmanship 3
MKT 322 Advertising 3
MKT 330 Retailing 3
MKT 331 Consumer Behavior 3
MKT 410 Marketing Cases and Problems 3
MKT 412 Sales Management 3
MKT 421 International Marketing 3
MKT 460 Marketing Research 3

MGM 410 Personnel Management 3

Other Required Electives..... 8 credits

POL 210 Principles of American Government 3
PSY 210 General Psychology 3

BED 112 Keyboarding Applications 2

Free Elective..... 3 credits
Other Program Requirements.....

All students in the Department are required to complete the General Studies Program.

Business Administration majors must select an area of concentration in either accounting, finance, management, marketing, or economics. Students must elect a minimum of five courses in their area of concentration.

A cumulative grade point average of "C" is required in business and related courses.

Curriculum Requirements for Bachelor of Science degree in
Business Administration (Non-Teaching) ..... 125-126 credits

BUSINESS ADMINISTRATION
(NON-TEACHING)

B.S. DEGREE (125-126 CREDITS)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
Science Elective	3-4	Science Elective	4
MAT 111 Quan & Anal Think OR		MAT 112 Quan & Anal Think OR	
MAT 123 College Algebra	3	MAT 123 College Trigonometry	3
*ENG 110 English Composition I	3	ENG 120 English Composition II	3
PED Physical Education	1	HIS 110 World History to 1600	3
RDG 110 Read for College Students	3	HED 112 Personal Hygiene	2
HIS 100 Social Institutions	3	**BED 115 Keyboarding Applications	2
	17-18		18

SOPHOMORE YEAR

ACT 211 Principles of Accounting I	3	SPE 200 Introduction to Speech	3
General Studies Requirement	3	General Studies Requirement	3
BAD 210 Math for Business	3	ECO 212 Principles of Econ.: Micro.	3
ECO 211 Principles of Econ.: Macro.	3	ACT 212 Principles of Accounting II	3
BAD 200 Intro. to Data Processing	3	POL 210 Prin. of American Govt.	3
	15		15

JUNIOR YEAR

ACT 311 Intermediate Accounting I	3	FIN 311 Prin. of Finance I	3
MGM 311 Prin. of Management	3	BAD 311 Stat. for Bus. & Econ.	3
BED 220 Business Machines	3	PSY 210 General Psychology	3
BAD 411 Business Law I	3	BED 310 Business Communications	3
MKT 310 Marketing	3	Elect: Any Advanced ACT course	3
	15		15

SENIOR YEAR

MGM 430 Hum. Rel. in Business	3	ECO 320 Money/Bank/Fin. Instit.	3
ECO 311 Inter. Econ. Theory, OR		MGM 430 Business Policy	3
ECO 430 Economic Problems	3	Business Electives	9
BUS./ECON. Elect.	6		15
Elective	3		
	15		

DEPARTMENT OF BUSINESS EDUCATION AND ADMINISTRATIVE SERVICES
DEGREES OFFERED

Business Education..... B.S.

*Students will be placed in ENG 101 or ENG 110 based on the results of the English placement examination.

**BED 110 Keyboarding is required if student has had no previous typewriting. Placement test will be administered to determine eligibility/or exemption.

General Studies Requirement

Business Electives are to be selected from Accounting, Finance, Management, Economics, Marketing, or Computer Science.

Marketing and Distributive Education.....B.S.

Office Administration.....B.S.

Secretarial Science.....A.A.

PROGRAM

Included in the Department of Business Education and Administrative Services are the following baccalaureate programs: Basic Business Education (Teaching), Comprehensive Business Education (Teaching), Marketing and Distributive Education (Teaching), and Administrative Services (Non-Teaching). An Associate program is offered in Secretarial Sciences.

PROGRAM REQUIREMENTS

BACHELOR OF SCIENCE IN COMPREHENSIVE BUSINESS EDUCATION (TEACHING) AREA I

General Studies Core Curriculum Credits.....43 credits

Major Course.....

A. Discipline.....65 credits

BED 115 Keyboarding Applications	2
BED 210 Introduction to Business	3
BED 250 Word/Information Processing	3
BED 222 Intermediate Shorthand	3
BED 310 Business Communications	3
BED 311 Advanced Shorthand & Transcription I	3
BED 411 Administrative Secretarial Procedures	3
BED 412 Secretarial Internship	3
BED 450 Admin. & Supervision of Vocational Ed.	3
BED 460 Coordination Techniques in Vocational Ed.	3
ACT 211 Principles of Accounting I	3
ACT 212 Principles of Accounting II	3
BAD 200 Introduction to Data Processing	3
BAD 210 Mathematics for Business	3
BAD 311 Statistics for Business & Economics I	3
BAD 411 Business Law I	3
ECO 211 Principles of Economics: Macroeconomics	3
ECO 212 Principles of Economics: Microeconomics	3
FIN 311 Principles of Finance	3
MKT 310 Marketing	3
MGM 311 Principles of Management	3
MGM 430 Business Policy	3

B. Professional Education.....25 credits

EDU 211 Laboratory Experiences in Area Schools	1
EDU 310 Foundations of Education	3

EDU 330 Educational Psychology and Measurements	3
EDU 340 Human Development	3
RDG 320 Teaching Reading in Secondary Schools	3
EDU 421 Principles of Secondary Education	3
EDU 460 Math & Mtrls. in Sec. School Sub. (Business)	3
EDU 480 Student Teaching	6

Other Program Requirements.....

All students in the Department are required to enroll in the General Studies program. A cumulative grade point average of "C" is required in all business courses.

Vocational Certification.....

Students desiring to meet Vocational Education Certification requirements for Business and Office Education must complete three of the following courses:

BED 440 History and Philosophy of Vocational Ed.	3
BED 450 Admin. & Supervision of Vocational Ed.	3
BED 460 Coordination Techniques in Vocational Ed. OR Computer Language Course	3

They must also satisfy the requirements of BED 492, Directed Work Experience.

Curriculum Requirements for Bachelor of Science Degree in Comprehensive Business Education (Teaching).....133 credits

COMPREHENSIVE BUSINESS EDUCATION (TEACHING) AREA I

B.S. DEGREE (132 Credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
Science Elective	3-4	Science Elective	3-4
MAT 111 Quan & Anal Think OR MAT 123 College Algebra	3	MAT 112 Quan & Anal Think OR MAT 124 College Trigonometry	3
*ENG 110 English Composition I	3	ENG 120 English Composition II	3
PED Physical Education	1	HIS 110 World History to 1600	3
RDG 110 Read for College Students	3	HED 112 Personal Hygiene	2
HIS 100 Social Institutions	3	**BED 115 Keyboarding Applications	2
	17-18		17-18

*ENG 101 students will be placed in ENG 101 or ENG 110 based on the results of the English placement examination.

**BED 110 Keyboarding is required if student has had no previous typewriting. Placement test will be administered to determine eligibility on exemption.

SOPHOMORE YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ACT 211 Principles of Accounting I	3	SPE 200 Introduction to Speech	3
General Studies Requirement	3	General Studies Requirement	3
BED 210 Introduction to Business	3	BAD 200 Intro. to Data Processing	3
BED 250 Word/Information Processing	3	ECO 211 Principles of Econ.: Micro.	3
BAD 210 Math for Business	3	ACT 212 Principles of Accounting II	3
EDU 211 Lab. Exper. - Area Schools	1	***BED 222 Intermediate Shorthand	3
	18		18

JUNIOR YEAR

BED 311 Adv. Shorthand & Trans. I	3	FIN 311 Prin. of Finance I	3
EDU 310 Foundations of Education	3	MKT 310 Marketing	3
EDU 330 Ed. Psych. & Meas.	3	EDU 340 Human Development	3
BAD 311 Stat. for Bus. & Econ. I	3	BED 310 Business Communications	3
MGM 311 Principles of Management	3	RDG 320 Teach. Read. in Sec. Sch.	3
ECO 212 Prin. of Econ.: Micro.	3	BED 411 Adm. Sec. Procedures	3
	18		18

SENIOR YEAR

BED 460 Coord. Tech. in Voc. Ed.	3	EDU 450 Adm. & Super. of Voc. Ed.	3
BED 411 Business Law I	3	EDU 421 Prin. of Sec. Ed.	3
BAD 412 Secretarial Internship	3	EDU 480 Student Teaching	6
MGM 430 Business Policy	3		12
EDU 460 Math & Mtrls. in Tchg/Bus/Sub	3		
	15		

PROGRAM REQUIREMENTS

BACHELOR OF SCIENCE IN BASIC BUSINESS EDUCATION (TEACHING) AREA II

General Studies Core Curriculum Credits..... 43 credits

Major Course.....

A. Discipline..... 59 credits

BED 115 Keyboarding Applications	2
BED 210 Introduction to Business	3
BED 250 Word/ Information Processing	3
BED 310 Business Communications	3
BED 411 Administrative Secretarial Procedures	3
BED 412 Secretarial Internship	3
MGM 311 Principles of Management	3
BED 450 Administration & Supervision of Vocation Ed.	3
BED 460 Coordination Techniques in Vocation Ed.	3
ACT 211 Principles of Accounting I	3
ACT 212 Principles of Accounting II	3
ACT 311 Intermediate Accounting I	3
BAD 200 Introduction to Data Processing	3
BAD 210 Mathematics for Business	3
BAD 311 Statistics for Business & Economics I	3
BAD 411 Business Law I	3
ECO 211 Principles of Economics: Macroeconomics	3
ECO 212 Principles of Economics: Macroeconomics	3

***BED 222, Elementary Shorthand, is required if the student has had no previous shorthand. A placement test will be administered to determine eligibility or exemption.

FIN 311 Principles of Finance 3
MKT 310 Marketing 3
MGM 430 Business Policy 3

B. Professional Education..... 25 credits

EDU 211 Laboratory Experiences in Area Schools 1
EDU 310 Foundations of Education 3
EDU 330 Educational Psychology & Measurements 3
EDU 340 Human Development 3
RDG 320 Teaching Reading in Secondary Schools 3
EDU 421 Principles of Secondary Education 3
EDU 460 Meth and Mtrls. in Sec. Schl. Sub. (Bus.) 3
EDU 480 Student Teaching 6

Elective..... 3 credits

Computer Science Elective

Other Program Requirements.....

All students in the Department are required to enroll in the General Studies program. A cumulative grade point average of "C" is required in all business courses.

Curriculum Requirements for Bachelor of Science degree in Basic Business Education (Teaching)..... 128-130 credits

BASIC BUSINESS EDUCATION (TEACHING) AREA II

B.S. Degree (128-129 Credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
Science Elective	3-4	Science Elective	3-4
MAT 111 Quan & Anal Think OR		MAT 112 Quan & Anal Think OR	
MAT 123 College Algebra	3	MAT 124 College Trigonometry	3
*ENG 110 English Composition I	3	ENG 120 English Composition II	3
PED Physical Education	1	HIS 110 World History to 1600	3
RDG 110 Read for College Students	3	HED 112 Personal Hygiene	2
HIS 100 Social Institutions	3	**BED 115 Keyboarding Applications	2
	17-18		18

SOPHOMORE YEAR

ACT 211 Principles of Accounting I	3	SPE 200 Introduction to Speech	3
General Studies Requirement	3	General Studies Requirement	3
BED 210 Introduction to Business	3	BAD 200 Intro. to Data Processing	3
BED 250 Word/Information Processing	3	EDU 211 Lab Exper. in Area Schools	3
BAD 210 Math for Business	3	ECO 212 Principles of Econ.: Micro.	3
ECO 211 Principles of Econ.: Macro.	3	ACT 212 Principles of Accounting II	3
	18		16

***English Requirement: ENG 101, students will be placed in ENG 101 or ENG 110 based on the results of the English placement examination.**

****BED 110, Keyboarding is required if student has had no previous typewriting. Placement test will be administered to determine eligibility/or exemption.**

JUNIOR YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ACT 311 Intermediate Accounting I	3	FIN 311 Prin. of Finance I	3
EDU 310 Foundations of Education	3	MKT 310 Marketing	3
EDU 330 Ed. Psych. & Meas.	3	EDU 340 Human Development	3
BAD 311 Stat. for Bus. & Econ. I	3	BED 310 Business Communications	3
MGM 311 Principles of Management	3	BED 411 Adm. Sec. Procedures	3
	15	RDG 320 Teach. Read. in Sec. School	3
			18

SENIOR YEAR

BED 460 Coord. Tech. in Voc. Ed.	3	BED 450 Adm. & Super. of Voc. Ed.	3
MGM 430 Business Policy	3	EDU 421 Prin. of Sec. Ed.	3
BAD 411 Business Law I	3	EDU 480 Student Teaching	6
EDU 460 Mth. & Mtrl. in Tchg/Bus/Sub	3		12
BED 412 Secretarial Internship	3		
	15		

PROGRAM REQUIREMENTS
BACHELOR OF SCIENCE IN MARKETING AND DISTRIBUTIVE EDUCATION (TEACHING)

General Studies Core Curriculum..... 43 credits (Minimum)

GST 100 Freshman Orientation	1
GST 101 Freshman Orientation	1
General Studies Requirements	3
General Studies Requirements	3
ENG 110 English Composition I	3
ENG 120 English Composition II	3
HED 112 Personal Hygiene	2
HIS 100 Social Institutions	3
HIS 110 World History to 1600	3
MAT 111 Quantitative & Analytical Thinking I	3
MAT 112 Quantitative & Analytical Thinking II	3
PED Physical Education Elective	1
SPE 200 Introduction to Speech	3
RDG 110 Reading for College Students	3
Science Elective	8

Major Course Credits.....

A. Discipline..... 65 credits

BED 115 Keyboarding Applications	2
BED 210 Introduction to Business	3
PSY 210 General Psychology	3

ECO 211 Principles of Econ. Macro.	3
ECO 212 Principles of Econ. Micro.	3
BAD 200 Introduction to Data Processing	3
BAD 210 Math for Business	3
SOC 210 Principles of Sociology	3
MGM 311 Principles of Management	3
MGM 420 Human Relations in Business Practices	3
MKT 310 Marketing	3
MKT 322 Advertising	3
MKT 321 Salesmanship	3
MKT 330 Retailing	3
MKT 412 Sales Management	3
BED 440 History & Philosophy of Vocational Ed.	3
BED 450 Administration & Supervision in Voc. Ed.	3
BED 460 Coordination Techniques in Voc. Ed.	3
BED 470 Advisement of Vocational Student Organ.	3
BED 492 Directed Work Experience	3
BED 310 Business Communications	3
Elective in Business	3

B. Professional Education..... 25 credits

EDU 310 Foundations of Education	3
EDU 211 Laboratory Experiences in Area Schools	1
EDU 330 Educational Psychology and Measurement	3
EDU 340 Human Development	3
EDU 421 Principles of Secondary Education	3
RDG 320 Teaching Reading -- Secondary Schools	3
EDU 460 Methods and Materials for Mkt. & Dist. Ed.	3
EDU 480 Student Teaching	6

Curriculum Requirements for Bachelor of Science degree in Marketing and Distributive Education (Teaching)..... 132-133 credits

MARKETING AND DISTRIBUTIVE EDUCATION (TEACHING)

B.S. DEGREE (132-133 CREDITS)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
Science Elective	3-4	Science Elective	3-4
MAT 111 Quan. & Anal. Think 1	3	MAT 112 Quan. Anal. Think 11	3
ENG 110 Eng. Composition I*	3	HIS 110 World History to 1600	3
HIS 100 Social Institutions	3	HED 112 Personal Hygiene	2
PED Physical Education	1	BED 115 Keyboarding Applications	2
RDG 110 Read College Students	3	ENG 120 English Composition 11	3
	17-18		17-18

*Placement in ENG 101 is contingent on scores from the placement test. Students may be placed in ENG 110 based on results of this test.

**Placement in BED 115 is contingent on scores from the placement test. Students may be placed in BED 110 based on results of this test.

SOPHOMORE YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
BED 210 Intro. to Business	3	SOC 210 Principles of Sociology	3
EDU 211 Lab. Exp. in Area Schools	1	SPE 210 Introduction to Speech	3
PSY 210 General Psychology	3	EDU 310 Foundations of Education	3
ECO 211 Prin. of Econ.-Macro.	3	ECO 212 Prin. of Econ.-Micro.	3
BAD 210 Math for Business	3	BAD 200 Intro. to Data Processing	3
General Studies Requirement	3	General Studies Requirement	3
	16		18

JUNIOR YEAR

MKT 310 Marketing	3	BED 492 Directed Work Experience***	3
MGM 311 Prin. of Management	3	MKT 322 Advertising	3
BED 440 His & Phil. Voc. Ed.	3	MKT 321 Salesmanship	3
EDU 340 Human Development	3	BED 460 Coord. Techniques Voc. Ed.	3
EDU 330 Ed. Psych. & Meas.	3	MGM 420 Human Rel. in Bus. Prac.	3
	15	BED 310 Business Communications	3
			18

SENIOR YEAR

BED 470 Advis Voc. Stud. Org.	3	EDU 421 Prin. of Secondary Ed.	3
MKT 330 Retailing	3	EDU 460 Methods/Materials - MDE	3
MKT 412 Sales Management	3	EDU 480 Student Teaching	6
BED 450 Admin. & Sup. Voc. Ed.	3		12
RDG 320 Teach. Read. Sec. School	3		
Elective in Business	3		
	18		

PROGRAM REQUIREMENTS
BACHELOR OF SCIENCE IN OFFICE ADMINISTRATION
(NON-TEACHING)

General Studies Course Curriculum Credits.....43 credits

Major Course Credit.....

A. Discipline.....74 credits

BED 115 Keyboarding Applications	2
BED 210 Introduction to Business	3
BED 250 Word/Information Processing	3
BED 222 Intermediate Shorthand	3
BED 310 Business Communications	3
BED 311 Advanced Shorthand & Transcription I	3

***Recent work experience may be substituted for this course. See the instructor before signing up for this course.

BED 312 Advanced Shorthand & Transcription II	3
BED 411 Administrative Secretarial Procedures	3
BED 412 Secretarial Internship	3
BED 420 Office Management	3
ACT 211 Principles of Accounting I	3
ACT 212 Principles of Accounting II	3
BAD 200 Introduction to Data Processing	3
BAD 210 Mathematics for Business	3
BAD 311 Statistics for Business & Economics I	3
BAD 411 Business Law I	3
CSC 102 Computer Programming (COBOL)	3
ECO 211 Principles of Economics: Macroeconomics	3
ECO 212 Principles of Economics: Microeconomics	3
FIN 311 Principles of Finance	3
MGM 420 Human Relations in Business	3
MKT 310 Marketing	3
PSY 210 General Psychology	3
MGM 430 Business Policy	3
MGM 311 Principles of Management	3

B. Electives..... 12 credits
Non-Business Electives

Other Requirements:

All students in the Department are required to enroll in the General Studies program. A cumulative grade point average of "C" is required in all business courses.

Curriculum Requirements for Bachelor of Science degree in Office Administration (Non-Teaching)..... 129 credits

OFFICE ADMINISTRATION (NON-TEACHING)

B.S. Degree (128 Credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
Science Elective	3-4	Science Elective	3-4
MAT 111 Quan. & Anal. Think OR		MAT 112 Quan. & Anal. Think OR	
MAT 123 College Algebra	3	MAT 124 College Trigonometry	3
*ENG 110 English Composition I	3	ENG 120 English Composition II	3
PED Physical Education	1	HIS 110 World History to 1600	3
RDG 110 Red for College Students	3	HED 112 Personal Hygiene	2
HIS 100 Social Institutions	3	**BED 115 Keyboarding Applications	2
	17-18		17-18

SOPHOMORE YEAR

General Studies Requirement	3	SPE 200 Introduction to Speech	3
BED 210 Introduction to Business	3	General Studies Requirement	3

*ENG 110, Placement is contingent on scores from the placement test. Students may be placed in ENG 101 based on results of the test.

**BED 110 is required if student has had no previous typewriting. Placement test will be administered to determine eligibility/or exemption.

BED 250 Word/Information Processing	3	***BED 222 Intermediate Shorthand	3
BAD 210 Math for Business	3	ECO 212 Principles of Econ: Micro.	3
ECO 211 Principles of Econ: Macro	3	ACT 212 Principles of Accounting II	3
ACT 211 Principles of Accounting I	3		15
	18		

JUNIOR YEAR

BED 311 Adv. Shorthand & Trans. I	3	BED 312 Adv. Shorthand & Trans. II	3
MKT 310 Marketing	3	FIN 311 Principle of Finance	3
BAD 200 Intro. to Data Processing	3	BED 310 Business Communications	3
MGM 311 Principles of Management	3	PSY 210 General Psychology	3
BAD 311 Stat. for Bus. & Economics	3	CSC 102 Computer Pro. (COBOL)	3
	15		15

SENIOR YEAR

BED 411 Adm. Sec. Procedures	3	BED 412 Secretarial Internship	3
BAD 411 Business Law I	3	MGM 420 Human Rel. in Business	3
BED 420 Office Management	3	BUS Electives	6
Electives	6	MGM 430 Business Policy	3
	15		15

DEPARTMENT OF ECONOMICS

DEGREES OFFERED

Economics..... B.S.

PROGRAMS

Included in the Department of Economics is the following bachelor program: Economics (Non-Teaching).

PROGRAM REQUIREMENTS

BACHELOR OF SCIENCE IN ECONOMICS (NON-TEACHING)

General Studies Core Curriculum.....46 credits

Students majoring in economics are required to take Math 123, College Algebra, as one of the courses to fulfill the 6 hours of mathematics requirements in the General Studies core curriculum. The remaining General Studies core curriculum is the same as for other degree programs.

Major Course Credits.....

***BED 221 Elementary Shorthand is required if student has had no previous shorthand. Placement test will be administered to determine eligibility/or exemption.

A. Discipline..... 24 credits

ECO 211 Principles of Economics: Macroeconomics	3
ECO 212 Principles of Economics: Microeconomics	3
ECO 231 Quantitative Methods I	3
ECO 232 Quantitative Methods II	3
ECO 311 Intermediate Economic Theory: Production and Distribution	3
ECO 312 Intermediate Economic Theory: Aggregate Economics and Policy	3
ECO 320 Money, Banking, and Financial Institutions	3
ECO 440 Seminar in Economics	3

B. Other Required Courses..... 12 credits

BAD 200 Introduction to Data Processing	3
BAD 311 Statistics for Business & Economics	3
BED 310 Business Communications	3
POL 210 Principles of American Government	3

Electives..... 18 credits

ECONOMICS ELECTIVES

Select six courses from the following:

ECO 240 Economics of The Black Community	3
ECO 300 Consumer Economics	3
ECO 310 Managerial Economics	3
ECO 330 Public Finance	3
ECO 340 Economic Development	3
ECO 341 Regional Economics	3
ECO 343 Urban Economics	3
ECO 350 International Trade and Policy	3
ECO 360 Labor Economics	3
ECO 410 Economic History	3
ECO 411 History of Economic Thought	3
ECO 412 Econometrics	3
ECO 420 Comparative Economics Systems	3
ECO 430 Economic Problems	3
ECO 450 Economic Internship	3

Restrictive Electives..... 12 credits

Select four courses from accounting, finance, management, marketing, mathematics, or computer science.

Social Science Electives..... 6 credits

Select two courses from sociology, psychology, geography, and political science.

Free Electives..... 6 credits

Other Program Requirements.....

A cumulative grade point average of "C" is required in all economics courses and related courses.

Curriculum Requirements for Bachelor of Science degree in Economics (Non-Teaching).....123-124 credits

ECONOMICS (NON-TEACHING)

B.S. Degree (123-124 Credits)

FRESHMAN YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
ENG 101 Basic Grammar*	3	ENG 110 English Composition 1	3
MAT 123 College Algebra	3	MAT Elective	3
HIS 100 Social Institutions	3	HIS 110 World History to 1600	3
Science Elective	3-4	Science Elective	4
RDG 110 Read for College Students	3	HED 112 Personal Hygiene	2
PED Physical Education	1		16
	17-18		

SOPHOMORE YEAR

ENG 120 English Composition 11	3	SPE 200 Intro. to Speech	3
General Studies Requirement	3	General Studies Requirement	3
Social Science Elective	3	Social Science Elective	3
ECO 211 Principle of Econ: Macro	3	ECO 212 Principle of Econ: Micro	3
BAD 200 Intro. to Data Processing	3	ECO 231 Quantitative Methods 1	3
	15		15

JUNIOR YEAR

ECO 311 Inter. Micro Theory	3	ECO 312 Inter. Macro Theory	3
POL 210 Prin. of American Govt.	3	ECO Elective	6
BAD 311 Stat. for Bus. & Econ.	3	BED 310 Business Communications	3
Elective**	3	ECO 232 Quantitative Methods 11	3
	15		15

SENIOR YEAR

ECO 320 Money/Bank/Fin. Insti.	3	Electives**	6
ECO Elective	3	ECO Electives	6
Elective**	3	ECO 440 Seminar in Econ.	3
Elective**	3		15
	15		

*English requirement: Students will be placed in ENG 101 or ENG 110 based on the results of the English placement examination.

**Electives are to be selected from: Accounting, Finance, Management, Economics, Marketing, Mathematics, or Computer Science.

SCHOOL OF EDUCATION

In support of the mission of Fayetteville State University, the School of Education is committed to educating and preparing individuals at the undergraduate and graduate levels for professional service in teaching, research, and service. The major thrust of the school is to prepare students for professional roles in education in a variety of settings including public, private education, business and industry. It is further committed to providing leadership in teacher education throughout the region, state, and nation. nation.

DEGREES OFFERED

Early Childhood Education (K-4) (Teaching)
Intermediate Education (4-6) (Teaching)
Physical Education (Teaching)
Reading Education (Teaching)

GENERAL EDUCATION REQUIREMENTS FOR TEACHER EDUCATION APPLICANTS

The successful completion of the freshman course of study (general education requirements) is the initial step in the teacher education admission process. All students seeking admission to teacher education must complete the prescribed general education courses, specific to his/her intended major course of study. A minimum grade of "C" or a 2.00 grade point average (GPA) is the minimum (GPA may vary with degree requirements) allowable academic standard for teacher education applicants.

Transfer students must meet the same requirements as first-time freshman in completing the general studies program. Consideration will be given to transfer credits, which have been accepted, that parallel courses in the freshman course of study toward completion of the program. Students who transfer forty-five (45) credits or more are exempted from freshman orientation.

ADMISSION TO THE TEACHER EDUCATION PROGRAM

Admission to teacher education is a procedural step for students in teacher education programs. After successfully completing the freshman program of study and EDU 221 Laboratory Experiences in Area Schools, and National Teacher Examination Core Battery I and II, students are eligible to apply for admission to the Teacher Education Program. Application must be made by the second semester of the sophomore year, through the Department Head of the major area. The criteria for admission are listed below:

1. Completion of freshman course of study and EDU 211.

2. A grade point average of 2.00 or above.

3. Minimum scores on Core Battery I (632) and II (627) of the National Teacher Examination.

4. The applicant's health status must be verified by the University physician, and the applicant must be given an acceptable physical fitness rating.

5. The applicant must have an acceptable deportment rating, officially verified by the Vice-Chancellor for Student Development.

6. The applicant must be personally fit for and have interests suitable to the profession of teaching as verified by the Counseling Center.

7. The final decision relative to admission or denial to the teacher education program rests with the Teacher Education Committee, based upon documented recommendations from the major area concerned.

Note: Prior to admission to Teacher Education the student may not enroll in more than one-half of his program requirements excluding General Studies and Student Teaching.

IRREGULAR ROUTE CERTIFICATION

Applicants possessing earned baccalaureate and/or masters degrees, and seeking certification in a teaching area must proceed through the irregular route process. The process is listed below.

1. Applicants must be admitted to the University through the regular admission process.

2. After notification of acceptance by the Office of Admissions, the student must officially contact the Department Head through which certification is sought. Together, the department representative and the student will identify the courses (program) needed for certification. The program agreed upon must be reviewed and approved by the Teacher Education Committee.

3. The applicant must register for the designated courses(s) during scheduled registration periods.

4. Upon successful completion of approved courses for certification, the applicant will follow regular route certification by applying for graduation and teacher certification.

RETENTION IN TEACHER EDUCATION

Following admission to teacher education, students are required to maintain a minimum 2.0 G.P.A. and acceptable standards on all other admission criteria. Students failing to maintain acceptable standards will be automatically suspended from the teacher education program and couseled toward alternative career options.

ADMISSION TO STUDENT TEACHING

Application for Student Teaching must be made during the second semester of the junior year whether the internship is anticipated for the first or second semester of the following year.

To be eligible for the Student Teaching internship, the student must

1. Have been admitted to teacher education and have senior classification.

2. Have completed to the satisfaction of his major area the Teaching Speciality Component requirements which will lead to certification by the State Department of Public Instruction.

3. Have a cumulative G.P.A. of 2.0 or better with a minimum grade of "C" in all professional education courses.

4. Have no more than 12 semester hours to be completed toward degree requirments **after** the student teaching experience, such credits to be undesignated/elective, as opposed to specified course requirements, i.e., general specialized or professional.

5. Have been recommended to and approved by the Teacher Education Committee by the Department Head of the area through which certification is sought.

Note: If a student has been approved for admission to Student Teaching and does not maintain the standards for admission or internship, his case shall be subject to review by the Teacher Education Committee before he is allowed to re-enter the program. In effect, such a student must repeat the full application process.

TEACHER CERTIFICATION

Students successfully completing all requirements for graduation and passing Core Battery III of the National Teacher Examination, with a minimum score of 644, and appropriate score on respective teaching specialty examinations are eligible to be recommended for North Carolina Professional Certificate and should (prior to graduation) follow the procedures below:

1. File an Initial Application for Certification of North Carolina Professional School Personnel form (filing fee is charged).

2. Request official transcript(s) of all undergraduate and/or graduate course work be forwarded to the Office of Student Teaching (FSU).

3. Request or send NTE Scores to the Office of Student Teaching.

DEPARTMENT OF CURRICULUM AND INSTRUCTION

DEGREES OFFERED

Early Childhood Education ..... A.A., B.S.
Intermediate Education ..... A.A., B.S.

Early Childhood Education K-4 (Teaching)
Intermediate Education 4-6 (Teaching)

PROGRAM

Included in the Department of Curriculum and Instruction are the following degree programs: Early Childhood Education K-4, Intermediate Education 4-6. Associate degree programs are offered in early childhood education and intermediate education. Minors are offered in all the disciplines in the Department.

PROGRAM REQUIREMENTS

BACHELOR OF SCIENCE (ELEMENTARY EDUCATION) EARLY CHILDHOOD EDUCATION (K-4) (TEACHING)

General Studies Core Curriculum Credits ..... 41-43 Credits

PSI 111	Physical Science	4
PSI 112	Physical Science	4
HUM 211	Humanities - Music, Art and Ideas I	3
HUM 212	Humanities - Music, Art and Ideas II	3

Major Courses .....

A. Discipline ..... 51 Credits

ENG 300	Children's Literature	3
HED 321	Health in Early Childhood Education or	
HED 421	Principles Practices Procedures in H.E.	3
EDU 427	Methods of Teaching Math K-6	
RDG 315	Teaching Reading - Elementary School	3
ART 310	Creative Art Exper for Young Children or	
ART 311	Art and Crafts or	
ART 411	Art in Childhood Education	3
MUS 340	Early Childhood Music	3
PED 321	Physical Education in Early Childhood or	
PED 260	Theory and Practice in Elementary P.E.	3
RDG 316	Corrective and Remedial Reading	3
EDU 423	Methods of Teaching Language Arts (K-4)	3
EDU 425	Methods of Teaching Social Studies (K-4)	3

EDU 422	Methods of Teaching Math and Science (K-6)	3
EDU 424	Modern Practices	3
HIS 211	The U.S. to 1865	3
POL 210	Principles of American Government	3
HIS 212	The U.S. Since 1865	3
PSY 210	General Psychology	3
SED 320	Education of the Exceptional Child	3

B. Professional Education ..... 19 Credits

EDU 211	Laboratory Experiences in Area Schools	1
EDU 310	Foundations of Education	3
EDU 330	Educational Psychology and Measurements	3
EDU 340	Human Development	3
EDU 470	Student Teaching	6
EDU 490	Professional Education Seminar	3

Minor Course Credit .....

A minor is not required for early childhood majors. A minor may be selected with consultation and approval of the faculty advisor.

Concentration Course Credit.....

A concentration is not required for early childhood majors.

Electives ..... 15 Credits

After consultation with and approval by the faculty advisor, students are recommended to enroll in selected electives related to early childhood education.

Other Program Requirements .....

In addition to the University requirements for teacher education majors, early childhood and intermediate majors are required to:

1. Earn a grade of "C" or above in all major courses (except cognate courses).
2. Be admitted into the Teacher Education Program prior to enrollment in education methods courses (400 level courses with EDU prefix).

Curriculum Requirements for Bachelor of Science Degree in
Early Childhood (K-4) (Teaching) ..... 126-128 Credits

EARLY CHILDHOOD EDUCATION (K-4) (TEACHING)

B.S. Degree (126-128 Credits)

FRESHMAN YEAR

First Semester		Second Semester	
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
MAT 111 Quan & Anal Think	3	MAT 112 Quan & Anal Think	3
ENG 110 English Composition I*	3	ENG 120 English Composition II	3
HIS 100 Social Institutions	3	HIS 110 World History to 1600	3
PED Physical Education	1	HED 112 Personal Hygiene	2
RDG 110 Read for College Stud*	3	Science Requirement	4
Science Requirement	3-4		
	17-18		16

SOPHOMORE YEAR

General Studies Requirement	3	General Studies Requirement	3
EDU 211 Lab. Exper. Area Schls	1	SPE 200 Intro to Speech	3
POL 210 Prin. of Amer. Govt.	3	HIS 212 The U.S. Since 1865	3
HIS 211 The U.S. to 1865	3	ENG 300 Children's Lit	3
PSY 210 General Psychology	3	Elective	3
EDU 310 Foundations of Educ	3		
	16		15

JUNIOR YEAR

MUS 340 Early Childhood Music	3	EDU 330 Edu Psych & Meas	3
SED 320 Edu of Excep Stud	3	HED 321 H1 Ed Early Childhood or	
EDU 340 Human Development	3	HED 421 Prn/Prac/Proc in H.E.	3
PED 321 P.E. in Early Childhood or		**ART 311 Art and Crafts	3
PED 260 Theo/Prac Elem Phy Ed	3	EDU 422 Meth. Tch Math (K-6)	3
Elective	3	RDG 315 Tch RDG Ele Sch	3
		Elective	3
	15		18

SENIOR YEAR

RDG 316 Corr & Remed Read	3	EDU 424 Mod Prac in Edu (K-6)	3
EDU 423 Meth-Tch Lang Arts (K-4)	3	EDU 470 Student Teaching	6
EDU 425 Meth-Tch Soc. Studs. (K-4)	3	EDU 490 Prof Educ Seminar	3
EDU 428 Meth-Tch Science (K-6)	3		
Electives	6		
	18		12

*Placement is based on the English Proficiency and Reading Proficiency Tests.
Science Elective: PSI 111-112 are recommended.
General Studies Requirement: HUM 211-212 are recommended.
**ART 311 Arts and Crafts or ART 411 in Childhood Ed. may be substituted.

PROGRAM REQUIREMENTS
BACHELOR OF SCIENCE (ELEMENTARY EDUCATION)
INTERMEDIATE EDUCATION (4-6)
(TEACHING)

General Studies Core Curriculum Credits ..... 41-43 Credits

PSI 111	Physical Science	4
PSI 112	Physical Science	4
HUM 211	Humanities - Music, Art and Ideas	3
HUM 212	Humanities - Music, Art and Ideas	3

Major Courses .....

A. Discipline ..... 54 Credits

ENG 300	Children's Literature	3
MUS 350	Intermediate School Music	3
HED 322	Health Education in Intermediate School OR	
HED 421	Principles, Practices & Procedures in Hea. Ed.	3
RDG 315	Teaching Reading Elementary School	3
ART 422	Art of Intermediate Grades	3
EDU 435	Methods of Teaching Science (K-6)	3
RDG 316	Corrective & Remedial Reading	3
EDU 427	Methods of Teaching Math (K-6)	3
PED 322	Physical Education - Intermediate Grade OR	
PED 260	Theory and Practice Elementary	3
EDU 424	Methods of Teaching Language Arts (4-6)	3
EDU 437	Methods of Teaching Social Studies (4-6)	3
EDU 431	Principles of Guidance	3
HIS 211	The U.S. to 1865	3
HIS 212	The U.S. Since 1865	3
EDU 429	Modern Practices (K-6)	3
SED 320	Education of Exceptional Students	3
PSY 210	General Psychology	3
POL 210	Principles of American Government	3

B. Professional Education ..... 19 Credits

EDU 211	Laboratory Experiences in Area Schools	1
EDU 310	Foundations of Education	3
EDU 330	Educational Psychology and Measurements	3
EDU 340	Human Development	3
EDU 470	Student Teaching	6
EDU 490	Professional Education Seminar	3

Minor Course Credit .....

A minor is not required for intermediate education majors.
A minor may be selected with consultation and approval of the faculty advisor.

Concentration Course Credit.....

A concentration is not required for intermediate education majors.

Electives.....9 Credits

After consultation with and approval by the faculty advisor, students are recommended to enroll in selected electives related to Intermediate Education.

Other Program Requirements.....

In addition to the University requirements for teacher education majors, early childhood and intermediate majors are required to:

1. Earn a grade of "C" or above in all major courses.
2. Be admitted into the Teacher Education Program prior to enrollment in education methods courses (400 level courses with EDU prefix).

Curriculum Requirements for Bachelor of Science Degree in Intermediate Education (4-6) (Teaching).....123 Credits Minimum

INTERMEDIATE EDUCATION (4-6) (TEACHING)

B.S. Degree (123-125 or 128 Credits)

FRESHMAN YEAR

First Semester		Second Semester	
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
MAT 111 Quan & Anal Think	3	MAT 112 Quan & Anal Think	3
ENG 110 English Composition I*	3	ENG 120 English Composition II	3
HIS 100 Social Institutions	3	HIS 110 World History to 1600	3
Science Elective	3-4	HED 112 Personal Hygiene	2
RDG 110 Read for Coll Students	3	Science Requirement	3-4
PED Physical Education	1		
	17-18		15-16

SOPHOMORE YEAR

EDU 211 Lab Exper. Area Schools	1	SPE 200 Intro to Speech	3
General Studies Requirement	3	General Studies Requirement	3
POL 210 Prin. of Amer. Govt.	3	ENG 300 Children's Lit	3
HIS 211 The U.S. To 1865	3	HIS 212 The U.S. Since 1865	3
PSY 210 General Psychology	3	PED 322 P.E. Inter Grades, or	
EDU 310 Foundations of Education	3	PED 260 Theo/Prac Ele Phy Ed	3
	16		15

JUNIOR YEAR

Electives	6	EDU 330 Ed. Psych & Meas.	3
EDU 340 Human Development	3	Elective Concentration	3
HED 322 H.E. in Inter Schl.s or	3	RDG 315 Tch Read Ele Sch	3
HED 421 Prin/Prac/Proc in H.E.	3	MUS 350 Inter School Music	3
EDU 431 Principles of Guidance	3	EDU 437 Meth Soc. Stu K-6	3
		**ART 422 Art for Inter Grades	3
	18		18

*Placement Exam Required.
Science Elective: PSI 111-112 are recommended.
General Studies Requirement: HUM 211-212 are recommended.
**ART 311 or 411 may be substituted.

SENIOR YEAR

EDU 428 Meth Tch Science (K-6)	3	EDU 429 Modern Prac. Edu (K-6)
EDU 436 Meth Tch Lang Arts (K-6)	3	EDU 470 Student Teaching
RDG 316 Corr. & Remed Read	3	EDU 490 Prof Educ Seminar
SED 320 Edu of Excep Stud	3	
EDU 427 Meth Tch Math (K-6)	3	
	15	

DEPARTMENT OF HEALTH, PHYSICAL EDUCATION AND HUMAN SERVICES

DEGREES OFFERED

Physical Education ..... B.S.

PROGRAM

Included in the Department of Health, Physical Education and Human Services is the following program: Physical Education.

PROGRAM REQUIREMENTS

BACHELOR OF SCIENCE IN PHYSICAL EDUCATION (TEACHING)

General Studies Core Curriculum Credits ..... 43 Credits

Major Courses .....

A. Discipline ..... 53 Credits

PED 131	Theory of Physical Education	3
PED 200	Swimming I	1
PED 201	Swimming II	1
PED 202	Individual and Dual Sports I	2
PED 204	Individual and Dual Sports II	2
PED 210	Teamsports I	2
PED 212	Gymnastics and Stunts	1
PED 214	Teamsports II	2
PED 360	Theory of Elementary Physical Education	3
PED 390	Modern Dance	2
PED 300	Practicum in Physical Education	1
PED 302	Motor Learning	2

PED 310	Rhythms	2
PED 311	History and Principles of Phy Ed	3
PED 331	Kinesiology	3
PED 411	Organization & Administration	3
PED 421	Measurement and Evaluation	3
HED 372	First Aid and Safety	3
HED 431	Adapted Physical Education	3
REC 203	Introduction to Community Recreation	3
ZOO 210	Anatomy & Physiology I	3
ZOO 220	Anatomy & Physiology I Lab	1
ZOO 230	Anatomy & Physiology II	3
ZOO 240	Anatomy & Physiology II Lab	1

B. Professional Education ..... 25 Credits

EDU 211	Lab Experience in Area Schools	1
EDU 310	Foundations of Education	3
EDU 330	Educational Psychology & Measurement	3
EDU 340	Human Development	3
EDU 421	Principles of Secondary Education	3
EDU 460	Methods	3
EDU 480	Student Teaching	6
RDG 320	Teaching Reading in Secondary School	3

Electives ..... 6 Credits

Open

Other Program Requirements .....

All students are required to complete three (3) semester hours of health and physical education courses as a component of their general education requirement. This component must include one (1) semester hour of physical education activity and two (2) semester hours of personal hygiene.

All students enrolled in physical education and recreation activity classes are required to purchase and wear uniforms prescribed by the area. All physical education majors and recreation minors are required to purchase and wear the prescribed uniforms including swimming suits, shorts and shirts (or blouses), and warm-up suits.

All entering physical education majors and recreation minors will be given a classification test in swimming, at the advanced beginner level of the American Red Cross Program. Those students who are not able to pass this test will be required to participate in a non-credit swimming program to upgrade their swimming skills.

All physical education majors are encouraged to become active members of the Physical Education Majors (PEM) Club.

All major students are required to earn a grade of "C" or above in each

major course. All required courses in Health (HED), Physical Education (PED), and Recreation (REC), including BIO 110, BIO 130, ZOO 210, and ZOO 212 must be satisfactorily completed with a minimum grade of "C" before the student is permitted to do practice teaching.

Recreation Minor Courses ..... 21-25 Credits

REC 200	Program Planning in Urban Recreation
REC 203	Introduction to Community Recreation
REC 202	Recreation Leadership
REC 312	Organization and Administration in Community Recreation
REC 411	Recreation Practice (Internship)
REC 422	Camping
REC 430	Therapeutic Recreational Services
PED	Elective (Required of non-physical education majors)

Program Requirements .....

A minimum of twenty-one (21) semester hours credit is required for a minor in recreation for students majoring in physical education. Non-majors are required to take PED 200 Swimming I as their General Studies PED requirement and four (4) hours of PED electives from: PED 204, 210, 202 and 214. The curriculum is open to both men and women.

A minimum grade of "C" is required in all minor courses.

PROGRAM REQUIREMENTS

MINOR IN RECREATION

Recreation Minor Courses ..... 21-25 Credits

REC 200	Program Planning in Urban Recreation	3
REC 203	Introduction to Community Recreation	3
REC 202	Recreation Leadership	3
REC 312	Organization and Administration in Community Recreation	3
REC 411	Recreation Practice (Internship)	3
REC 422	Camping	3
REC 430	Therapeutic Recreational Services	3
PED	Elective (Required of non-physical education majors)	3

Program Requirements .....

A minimum of twenty-one (21) semester hours credit is required for a minor in recreation for students majoring in physical education. Non-majors are required to take PED 200 Swimming I as their General Studies PED requirement and four (4) hours of PED electives from: PED 204, 210, 202 and 214. The curriculum is open to both men and women.

A minimum grade of "C" is required in all major courses.

Curriculum Requirements for Bachelor of Science Degree in Physical Education (Teaching) ..... 127 Credits

PHYSICAL EDUCATION (TEACHING)

B.S. Degree (127 Credits)

FRESHMAN YEAR

First Semester		Second Semester	
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
BIO 110 General Biology I	3	BIO 130 General Biology II	4
BIO 120 General Biology I Lab	1	BIO 140 General Biology I Lab	1
MAT 111 Quan & Anal Thinking or		MAT 112 Quan & Anal Thinking or	
MAT 131 College Algebra	3	MAT 124 College Trigonometry I	3
ENG 110 English Composition I*	3	ENG 120 English Composition II	3
HIS 100 Social Institutions	3	HIS 110 World History to 1600	3
RDG 110 Read For Coll Students	3	HED 112 Personal Hygiene	2
	17		17

SOPHOMORE YEAR

PED 231 Theory of P.E.	3	SPE 200 Intro to Speech	3
PED 200 Swimming I	1	ART Intro to Art History	3
MUS 210 Music Appreciation	3	PED 204 Indiv & Dual Sports	2
PSY 210 General Psychology	3	REC 203 Intro to Comm Rec	3
ZOO 210 Anat & Physiology	2	Elective	3
ZOO 220 Anat & Physiology Lab	1	ZOO 230 Anatomy & Physiology II	2
PED 202 Ind/Dual Sports I	2	ZOO 240 Anatomy & Physiology II Lab	1
EDU 211 Lab Exper - Area Schls	1	PED 201 Swimming II	1
	16		18

JUNIOR YEAR

EDU 310 Found of Education	3	PED 331 Kinesiology	3
HED 372 First Aid & Safety Educ	3	PED 290 Modern Dance	2
PED 310 Rhythms	2	PED 311 Hist & Prin of P.E.	3
PED 210 Teamsports I	2	PED 214 Teamsports II	2
EDU 340 Human Development	3	EDU 330 Edu Psych & Meas	3
PED 300 Practicum in P.E.	1	PED 360 Theory Elem P.E.	3
PED 302 Motor Learning	2	PED 212 Gym & Stunts	1
	16		17

SENIOR YEAR

HED 431 Adapted Physical Edu	3	EDU 460 Methods	3
PED 411 Organ & Admin	3	EDU 421 Prin of Secondary	3
PED 421 Test & Measurements	3	EDU 480 Student Teaching	6
RDG 320 Teach Read in Sec Schs	3		
Elective	3		
	15		12

DEPARTMENT OF READING EDUCATION

DEGREES OFFERED

Reading Education ..... B.S.

PROGRAM

Included in the Department of Reading Education is the following program : Reading Education.

PROGRAM REQUIREMENTS
BACHELOR OF SCIENCE IN READING (TEACHING)

General Studies Core Curriculum Credits ..... 41-43 Credits

Major Course Credits.....

A. Discipline ..... 47 Credits

RDG 112	Foundation of Reading Instruction	3
ENG 300	Children's Literature	3
RDG 311	Field Experience in Reading II	1
RDG 312	Field Experience in Reading III	1
RDG 315	Teaching Reading in Elementary School	3
RDG 316	Corrective & Remedial Reading	3
RDG 320	Teaching Reading in Secondary School	3
RDG 370	Linguistics & School	3
RDG 441	The Psychology of Reading	3
RDG 400	Practicum	3
RDG 440	Review of Research in Reading	3
EDU 423	Methods of Teaching Language Arts	3
RDG 490	Seminar in Reading	3
SED 320	Education of Exceptional Student	3
PSY 210	General Psychology	3
HIS 211	The U.S. to 1865*	3
HIS 212	The U.S. Since 1865*	3

B. Professional Education ..... 22 Credits

RDG 211	Field Experience in Reading I	1
EDU 310	Foundations of Education	3
EDU 330	Educational, Psychology & Measurement	3
EDU 340	Human Development	3
RDG 390	Methods and Materials Teaching Reading	3
EDU 421	Principles of Secondary Education	3
EDU 470	Student Teaching	6

Concentration Course Credits ..... 21 Credits

RDG 112	Foundations of Reading Instruction	3
RDG 211	Field Experiences in Reading I	1
RDG 311	Field Experiences in Reading II	1
RDG 312	Field Experiences in Reading III	1
RDG 315	Teaching of Reading in the Elementary Sch.	3
RDG 316	Corrective and Remedial Reading	3
RDG 320	Teaching of Reading in the Secondary Sch.	3
RDG 390	Methods and Materials in Tch Read	3
RDG 490	Seminar in Reading	3

Electives..... 12 Credits

Should be chosen from appropriate areas within reading, psychology, education, English and special education.

Other Program Requirements.....

In addition to meeting the requirements of the School of Education, certain specific requirements, indicative of the Department of Reading Education, must be fulfilled by reading majors. They are:

1. Maintain a GPA of 2.25 in the Department of Reading Education.
2. Maintain a grade of "C" or better in all major courses listed in the Department of Reading Education.

Curriculum Requirements for Bachelor of Science degree in Reading Education (Teaching)..... 122-124 Credits

READING EDUCATION (TEACHING)

B.S. Degree (122-124 Credits)

FRESHMAN YEAR

First Semester		Second Semester	
GST 100 Freshman Orientation	1	GST 101 Freshman Orientation	1
Science Requirement**	3-4	Science Requirement**	3-4
MAT 111 Quan & Anal Thinking or		MAT 112 Quan & Anal Thinking or	
MAT 123 College Algebra	3	MAT 124 College Trigonometry I	3
ENG 110 English Composition I*	3	ENG 120 English Composition II	3
HIS 100 Social Institutions	3	HIS 110 World History to 1600	3
PED Physical Education	1	HED 112 Personal Hygiene	2
RDG 110 Read For Coll Students	3		
	17-18		15-16

SOPHOMORE YEAR

General Studies Requirement***	3	General Studies Requirement***	3
HIS 211 The U.S. To 1865	3	HIS 212 The U.S. Since 1865	3
PSY 210 General Psychology	3	SPE 200 Intro to Speech	3
ART/MUS/HED/PED/Elective	3	RDG 211 Field Exper in Read I	1
RDG 112 Found of Read Instruc	3	Elective	3
		ENG 300 Children's Lit	3
	15		16

JUNIOR YEAR

EDU 310 Found of Education	3	EDU 340 Human Development	3
EDU 330 Educ Psych & Meas	3	RDG 316 Corrective & Remed Read	3
RDG 390 Meth/Mtrls Tch Read	3	RDG 312 Field Exper in Read III	1
RDG 311 Field Exper in Read II	1	RDG 320 Tch Read Sec Schl	3
RDG 370 Linguistics & Reading	3	Elective	3
RDG 315 Tch Read Elem Schl	3	SED 320 Edu of Excep Stu	3
	16		16

*Placement Exam Required.

**Science Elective: PSI 111-112 are recommended.
General Studies Requirement: HUM 211-212 are recommended.

***ART 311 or 411 may be substituted.

SENIOR YEAR

RDG 400 Practicum	3	EDU 421 Secondary Sch Prog	3
RDG 440 Review-Research in Read	3	RDG 490 Seminar in Reading	3
RDG 441 The Psychology of Read	3	EDU 470 Student Teaching	6
EDU 423 Meth Tch Lang Arts K3	3		
Elective	3		
	15		12

ASSOCIATE OF ARTS DEGREES

Fayetteville State University, through its Fort Bragg Center only, offers the Associate of Arts degrees. Students who wish to pursue an Associate of Arts degree should apply for admission through:

Director of Admissions
Fort Bragg-Pope Air Force Base Center
Fayetteville State University
P.O.Box 156
Fort Bragg, North Carolina 28307

Associate of Arts degrees are offered in the following disciplines:

Art
Biology
Business Administration
Chemistry
Criminal Justice
Early Childhood Education
English
French
General Education
General Education for Prospective Biology Majors
General Education for Prospective Chemistry Majors
Geography
German
History
Intermediate Education
Mathematics
Mathematics (Computer Science Concentration)
Music Education
Police Science
Political Science
Psychology
Public Administration
Secretarial Science
Sociology
Spanish

PROGRAM REQUIREMENTS

ASSOCIATE OF ARTS IN ART

General Studies Core Curriculum ..... 27-29 Hours

MAT 111 and MAT 112	6
ENG 110 and ENG 120	6
PED and HED 112	3
HIS/HUM Electives	6
Science Requirement	6-8

Major Courses .....

A. Discipline ..... 35 Hours

ART 210	Survey of Art	3
ART 111	Basic Design	3
ART 112	Lettering and Poster Design	3
ART 212	Elementary Freehand Drawing	3
ART 311	Arts and Crafts	3
ART 342	Sculpture	3
ART 450	Studio Art	4
ART 312	Drawing and Painting	3
ART 412	Advanced Drawing and Painting	3
ART 430	Ceramics	3
ART 432	Basic Photography	4

B. Electives 3

Philosophy, Literature, or Art

Other Program Requirements .....

Prerequisites for courses having prerequisites must be taken first.

Curriculum for A.A. Degree in Art ..... 65-67 Hours

ASSOCIATE OF ARTS IN ART

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 English Composition I	3	ENG 120 English Composition II	3
MAT 111 Quan. & Anal. Thinking I	3	MAT 112 Quan. & Anal. Thinking II	3
Science Elective	3-4	Science Elective	3-4
ART 111 Basic Design OR	3	ART 112 Lettering & Poster Design	3
ART 212 Elementary Freehand Drawing	3	ART 311 Arts & Crafts	3
PED 101-132 Physical Education	1	HED 112 Personal Hygiene	2
	16-17		17-18

SECOND YEAR

HIS/HUM Elective	3	HIS/HUM Elective	3
Elective	3	ART 412 Adv. Drawing & Painting	3
ART 210 Survey of Art	3	ART 432 Photography	4
ART 342 Sculpture	3	ART 450 Studio Art	4
ART 312 Drawing & Painting	3	ART 430 Ceramics	3
	15		17

PROGRAM REQUIREMENTS

ASSOCIATE OF ARTS IN BIOLOGY

General Studies Core Curriculum ..... 30 Hours

MAT 123 and 124 or higher courses required.
Any Science or Chemistry course (except 110/120, 130/140) will satisfy the Science requirement.
HIS/HUM electives consist of six (6) credits and social science six (6) credits.

Major Courses .....

A. Discipline ..... 18 Hours

BIO 150/160	Principles of Biology & Lab	3
BIO 121	Cell Biology	3
BIO 330/340	Microbiology & Immunology & Lab	3
BOT 210/220	General Biology & Lab	3
ZOO 110/120	General Zoology & Lab	3
ZOO 350/360	Comparative Anatomy & Lab	3

B. Electives ..... 16 Hours

CHE 120	Atoms & Bonding	3
CHE 130	Stochiometry	3
CHE 150	General Chemistry I Lab	1
CHE 160/170	General Chemistry II & Lab	4
CHE 210	Analytical Chemistry	5

Curriculum for A.A. Degree in Biology ..... 64 Hours

ASSOCIATE OF ARTS DEGREE IN BIOLOGY

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 Grammar & Composition I	3	ENG 120 Composition II	3
MAT 123 College Algebra	3	MAT 124 Trigonometry	3
BIO 150 Principles of Biology	2	BIO 170 Cell Biology	3
BIO 160 Principles of Biology Lab	1	CHE 130 Stochiometry	3
CHE 120 Atoms & Bonding	3	CHE 150 Gen. Chemistry I Lab	1
Social Science Elective*	3	PSY 210 Principles of Psychology	3
PED 101-132 Physical Education	1	HED 112 Personal Hygiene	2
	16		18

SECOND YEAR

CHE 160 Gen. Chemistry II	3	CHE 210 Analytical Chemistry	5
CHE 170 Gen. Chemistry II Lab	1	BIO 330 Microbiology & Immunology	2
ZOO 110 Gen. Zoology	2	BIO 340 Microbiology	1
ZOO 120 Gen. Zoology Lab	1	ZOO 350 Comparative Anatomy	2
BOT 210 General Botany	2	ZOO 360 Comparative Anatomy Lab	1
BOT 220 General Botany Lab	1	HIS/HUM Elective	3
HIS/HUM Elective	3		14
Social Science Elective	3		
	16		

PROGRAM REQUIREMENTS

ASSOCIATE OF ARTS DEGREE IN BUSINESS ADMINISTRATION

General Studies Core Curriculum ..... 31 Hours

Major Courses .....

A. Discipline ..... 32 Hours

BED 210	Introduction to Business	3
BED 110	Keyboarding or	
BED 115	Keyboarding Applications	2
ECO 211	Principles of Econ: Macro	3
ECO 212	Principles of Econ: Micro	3
ACT 211	Principles of Accounting I	3
MGM 320	Small Bus. Management	3
BED 310	Business Communications	3
BAD 411	Business Law I	3
ACT 212	Principles of Accounting II	3
MKT 310	Marketing	3
BAD 200	Intro. to Data Processing	3

B. Electives ..... N/A

Other Program Requirements ..... N/A

Curriculum for A.A. Degree in Business Administration ..... 63 Hours

ASSOCIATE OF ARTS IN BUSINESS ADMINISTRATION

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 English Composition I	3	BED 110 Keyboarding or	
MAT 111 Quan. & Anal. Thinking I	3	BED 115 Keyboarding Applications	2
BED 210 Intro. to Business	3	HED 112 Personal Hygiene	2
HIS/HUM Elective	3	MAT 112 Quan. & Anal. Thinking II	3
Natural Science Elective	4	ENG 120 English Composition II	3
PED Physical Education	1	ECO 211 Prin. of Econ: Macro	3
	17	HIS/HUM Elective	3
			16

SECOND YEAR

ACT 211 Prin. of Accounting I	3	BAD 200 Intro. to Data Processing	3
ECO 212 Prin. of Econ: Micro	3	SPE 200 Intro. to Speech	3
BED 310 Business Communications	3	PSY 210 General Psychology	3
MGM 320 Small Business Management	3	ACT 212 Prin. of Accounting II	3
BAD 411 Business Law	3	MKT 310 Marketing	3
	15		15

PROGRAM REQUIREMENTS
ASSOCIATE OF ARTS IN CHEMISTRY

General Studies Core Curriculum ..... 34 Hours

MAT 123 and 124 are required.
PHY 111 and PHY 112 satisfy the science department.

Those students anticipating later completion of one of the Bachelor's programs are encouraged to follow the General Studies Requirements listed under the B.A. or the B.S. programs in chemistry as these requirements will not be waived for the Bachelor's programs for those entering into them with Associates degrees.

Major Courses .....

A. Discipline ..... 22-25 Hours

Block A or Block B			4-7
CHE 160	General Chemistry II		3
CHE 170	General Chemistry II Lab		1
CHE 210	Analytical Chemistry		5
CHE 221	Organic Chemistry I		3
CHE 222	Organic Chemistry II		3
CHE 231	Organic Chemistry I Lab		1
CHE 232	Organic Chemistry II Lab		2
Block A consists of	CHE 120	The Atom and Bonding	3
	CHE 130	Stoichiometry	3
	CHE 150	General Chemistry II	1
Block B consists of	CHE 140	General Chemistry I	3

B. Electives .....

Languages or logic as appropriate to either the B.S. or B.A.

Other Program Requirements .....

Two semesters of calculus (MAT 142 and 241) are required.

Curriculum for A.A Degree in Chemistry ..... 64 Hours

ASSOCIATE OF ARTS IN CHEMISTRY

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 English Composition 1	3	ENG 120 English Composition II	3
MAT 123 College Algebra	3	MAT 124 College Trigonometry	3
PED Physical Education	1	HED 112 Personal Hygiene	2
HIS 100 Social Institutions	3	HIS 110 World History to 1600	3
CHE 140 General Chemistry I*	3	CHE 160 General Chemistry II	3
CHE 150 General Chemistry I Lab*	1	CHE 170 General Chemistry II Lab	1
	14		15

SECOND YEAR

CHE 221 Organic Chemistry I	3	CHE 222 Organic Chemistry II	3
CHE 231 Organic Chemistry Lab I	1	CHE 232 Organic Chemistry Lab II	2
CHE 210 Analytical Chemistry	5	MAT 241 Calculus II	4
MAT 142 Calculus I	4	PHY 112 General Physics II	4
PHY 111 General Physics I	4		
	17		13

PROGRAM REQUIREMENTS

ASSOCIATE OF ARTS IN EARLY CHILDHOOD EDUCATION

General Studies Core Curriculum ..... 32 Hours

Major Courses .....

A. Discipline ..... 30 Hours

ART 311	Arts and Crafts	3
EDU 310	Foundation of Education	3
EDU 330	Educ. Psy. & Meas.	3
EDU 340	Human Development	3
ENG 300	Children's Literature	3
HED 321	Health in Early Childhood	3
MUS 340	Early Childhood Music	3
PED 321	Physical Education in Early Childhood	3
RDG 315	Teaching Reading in Elementary School	3
SED 320	Education of Exceptional Child	3

B. Electives ..... N/A

Other Program Requirements ..... 6 Hours

Prerequisites for courses having prerequisites must be taken first.

Curriculum for A.A. Degree in Early Childhood..... 68 Hours

ASSOCIATE OF ARTS IN EARLY CHILDHOOD EDUCATION

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 English Composition I	3	MAT 112 Quan. & Anal. Thinking II	3
MAT 111 Quan. & Anal. Thinking I	3	HED 112 Personal Hygiene	2
SPE 200 Intro. to Speech	3	ENG 120 English Composition II	3
HIS/HUM Elective	3	HIS/HUM Elective	3
Natural Science Elective	4	Natural Science Elective	4
PED Physical Education	1		
	17		15

SECOND YEAR

PSY 210 General Psychology	3	POL 210 Prin. of American Govt.	3
ART 311 Arts & Crafts	3	ENG 300 Children's Literature	3
EDU 310 Foundation of Education	3	HED 321 H.E. in Early Childhood or	
PED 321 P.E. in Early Childhood or		HED 421 Prin/Prac/Proc in H.E.	3
PED 260 Theo/Prac Elem. Phy Ed	3	EDU 330 Edu. Psych. & Meas.	3
MUS 340 Early Childhood Music	3	EDU 340 Human Development	3
RDG 315 Teach. Rdg. in Elem. School	3	SED 320 Ed. of Excep. Child.	3
	18		18

PROGRAM REQUIREMENTS

ASSOCIATE OF ARTS IN CRIMINAL JUSTICE

General Studies Core Curriculum ..... 21-23 Hours

ENG 110	English Composition I	3
ENG 120	English Composition II	3
MAT 111	Analytical and Quantative Thinking I	3
MAT 112	Analytical and Quantative Thinking II	3
Physical Education		1
Science Requirements		8
HED 112	Personal Hygiene	2

Major Courses .....

A. Discipline ..... 39 Hours

POL 210	Principles of American Government	3
POL 320	State and Local Government	3
POL 220	Principles of Public Administration	3
H/P 342	Civil Rights and the Constitution	3
CJC 200	Introduction to the Criminal Justice System	3
CJC 220	Introduction to Corrections	3
CJC 300	Criminal Law	3
CJC	Electives	12
SOC 340	Crime and Delinquency	3
PSY 210	General Psychology	3

B. Electives .....

A three (3) credit elective in Social Science

Curriculum for A.A. Degree in Criminal Justice..... 63-65 Hours

ASSOCIATE OF ARTS IN CRIMINAL JUSTICE

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 English Composition I	3	ENG 120 English Composition II	3
MAT 111 Quan. & Anal. Thinking I	3	MAT 112 Quan. & Anal. Thinking II	3
CJC 200 Intro. to Crim. Just. System	3	POL 210 Prin. of American Govt.	3
PED Electives	6	SOC 210 Principles of Sociology	3
PED Physical Education	1	CJC Electives	3
	16	HED 112 Personal Hygiene	2
			17

SECOND YEAR

POL 320 State & Local Government	3	Natural Science Elective	4
Natural Science Elective	3-4	H/P 342 Civil Rights & The Const.	3
CJC 300 Criminal Law	3	CJC Elective	3
CJC 220 Introduction to Corrections	3	PSY 210 General Psychology	3
SOC 340 Crime and Delinquency	3	POL 220 Intro. to Pub. Admin.	3
	15-16	Social Science Elective	3
			18-19

PROGRAM REQUIREMENTS

ASSOCIATE OF ARTS IN ENGLISH

General Studies Core Curriculum ..... 35 Hours

ENG 110	English Composition I	3
ENG 120	English Composition II	3
HED 112	Personal Hygiene	2
HIS/HUM	Elective	12
Natural Science Elective		8
PED	Physical Education	1
MAT 111	Quan. & Anal. Thinking I	3
MAT 112	Quan. & Anal. Thinking II	3

Major Courses .....

A. Discipline ..... 30 Hours

ENG 211	World Literature I	3
ENG 212	World Literature II	3
ENG 231	Advanced Grammar	3
ENG 222	History of the English Language	3
ENG 311	English Literature I	3
ENG 312	English Literature II	3
ENG 321	American Literature I	3
ENG 322	American Literature II	3
ENG 341	Advanced Composition	3
SPE 310	Public Speaking	3

B. Electives .....

Curriculum for A.A. Degree in English..... 65 Hours

ASSOCIATE OF ARTS IN ENGLISH

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 English Composition I	3	ENG 120 English Composition II	3
MAT 111 Quan. & Anal. Thinking I	3	ENG 231 Advance Grammar	3
SPE 310 Public Speaking	3	MAT 112 Quan. & Anal. Thinking II	3
Natural Science Elective	4	Natural Science Elective	4
PED Physical Education	1	HED 112 Personal Hygiene	2
	14		15

SECOND YEAR

ENG 211 World Literature	3	ENG 212 World Literature	3
ENG 311 English Literature	3	ENG 222 Hist. of English Literature	3
ENG 321 American Literature	3	ENG 312 English Literature	3
ENG 341 Advanced Composition	3	ENG 322 American Literature	3
HUM Elective	3	HUM Elective	3
	15		15

PROGRAM REQUIREMENTS

ASSOCIATE OF ARTS IN FRENCH

General Studies Core Curriculum ..... 32 Hours

Major Courses .....

A. Discipline ..... 18 Hours

FRE 211	Intermediate French I	3
FRE 212	Intermediate French II	3
FRE 311	French Conversation	3
FRE 312	French Conversation and Comp.	3
FRE 321	French Civ. and Culture	3
FRE 331	Survey of French Literature	3

B. Electives ..... 15 Hours

Curriculum for A.A. Degree in French..... 65 Hours

ASSOCIATE OF ARTS IN FRENCH

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 English Composition I	3	ENG 120 English Composition II	3
MAT 111 Quan. & Anal. Thinking I	3	MAT 112 Quan. & Anal. Thinking II	3
Natural Science Elective	4	Natural Science Elective	4
FRE 211 Inter. French I	3	FRE 212 Inter. French II	3
HIS/HUM Elective	3	HIS/HUM Elective	3
PED Physical Education	1	HED 112 Personal Hygiene	2
	17		18

SECOND YEAR

ENG 211 World Literature	3	FRE 312 Conversation & Composition	3
FRE 311 French Conver. 1	3	FRE 331 Survey of French Literature	3
FRE 321 French Civ. & Culture	3	PHL 210 Intro. to Philosophy	3
Social Science Elective	3	Social Science Elective	3
Elective	3	Elective	3
	15		15

ASSOCIATE OF ARTS IN GENERAL EDUCATION

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 English Composition 1	3	ENG 120 English Composition 11	3
MAT 111 Quan. & Anal. Thinking 1	3	MAT 112 Quan. & Anal. Thinking 11	3
HIS/HUM Elective	3	HIS/HUM Elective	3
Natural Science Elective	4	Natural Science Elective	4
PED Physical Education	1	HED 112 Personal Hygiene	2
	14		15

SECOND YEAR

ENG/Foreign Language Elective	3	ENG/Foreign Language Elective	3
SOC 210 Principles of Sociology	3	PSY 210 General Psychology	3
PHL 210 Intro. to Philosophy	3	Electives	6
Electives	6		
	15		12

PROGRAM REQUIREMENTS

ASSOCIATE OF ARTS IN GENERAL EDUCATION FOR PROSPECTIVE BIOLOGY MAJORS

General Studies Core Curriculum ..... 30 Hours

ENG 110	English Composition I	3
ENG 120	English Composition II	3
MAT 111	Quan. & Anal. Thinking I	3
MAT 112	Quan. & Anal. Thinking II	3
PED	Physical Education	1
HED 112	Personal Hygiene	2
HIS/HUM	Elective	6
ENG/FL	Elective	6
PHL 210	Philosophy	3

Major Courses .....

A. Discipline ..... 25 Hours

ZOO 111	General Zoology I	3
ZOO 112	General Zoology II	3
CHE 120	The Atom of Bonding	3
CHE 140	General Chemistry I	3
CHE 150	General Chemistry I Lab	1
CHE 160	General Chemistry II	3
CHE 170	General Chemistry II Lab	1
CHE 210	Analytical Chemistry	5
BOT 210	General Botany	2
BOT 220	General Botany Lab	1

B. Electives ..... 6 Hours

Curriculum for A.A. Degree in General Studies for Prospective Biology Majors..... 65 Hours

ASSOCIATE OF ARTS IN GENERAL EDUCATION FOR PROSPECTIVE BIOLOGY MAJORS

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 English Composition I	3	HED 112 Personal Hygiene	2
MAT 111 Quan. & Anal. Thinking I	3	MAT 112 Quan. & Anal. Thinking II	3
ZOO 111 General Zoology	3	ZOO 112 General Zoology	3
CHE 120 The Atom and Bonding	3	ENG 120 English Composition II	3
PED Physical Education	1	CHE 140 General Chemistry I	3
		CHE 150 General Chemistry Lab	1
	13		15

SECOND YEAR

CHE 160 General Chemistry II	3	CHE 210 Analytical Chemistry	5
CHE 170 General Chemistry II Lab	1	ENG Foreign Language Elective	3
BOT 210 General Botany	2	HIS/HUM Elective	3
BOT 220 General Botany Lab	1	PHL 210 Intro. to Philosophy	3
ENG/Foreign Language Elective	3	Social Science Elective	3
Social Science Elective	3		
HIS/HUM Elective	3		
	16		17

PROGRAM REQUIREMENTS

ASSOCIATE OF ARTS IN GENERAL EDUCATION FOR PROSPECTIVE CHEMISTRY MAJORS

General Studies Core Curriculum ..... 30 Hours

ENG 110	English Composition I	3
ENG 120	English Composition II	3
MAT 111	Quan. & Anal. Thinking I	3
MAT 112	Quan. & Anal. Thinking II	3
PED	Physical Education	1
HED 112	Personal Hygiene	2
HIS/HUM	Elective	6
ENG/FL	Elective	6
PHI 210	Introduction to Philosophy	3

Major Courses .....

A. Discipline ..... 27 Hours

CHE 120	The Atom of Bonding	3
CHE 140	General Chemistry II	3
CHE 150	General Chemistry II Lab	1
CHE 210	Analytical Chemistry	5
CHE 221	Organic Chemistry I	3
PHY 111	General Physics	4
PHY 112	Physical Science	4
MAT 142	Calculus with Anal. Geom.	4

B. Electives ..... 6 Hours

Curriculum for A.A. Degree in General Studies for Prospective Chemistry Majors..... 63 Hours

ASSOCIATE OF ARTS IN GENERAL EDUCATION FOR PROSPECTIVE CHEMISTRY MAJORS

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 English Composition I	3	HED 112 Personal Hygiene	2
MAT 111 Quan. & Anal. Thinking I	3	MAT 112 Quan. & Anal. Thinking II	3
CHE 120 The Atom and Bonding	3	ENG 120 English Composition II	3
HIS/HUM Elective	3	CHE 140 General Chemistry I	3
PED Physical Education	1	HIS/HUM Elective	3
		CHE 150 General Chemistry II Lab	1
	13		15

SECOND YEAR

PHY 111 General Physics	4	PHY 112 Physical Science	4
CHE 210 Analytical Chemistry	5	PHL 210 Intro. to Philosophy	3
MAT 142 Calculus with Anal. Geom.	4	CHE 221 Organic Chemistry I	3
HIS/HUM Elective	3	HIS/HUM Elective	3
ENG/Foreign Language	3	ENG/Foreign Language	3
	19		16

PROGRAM REQUIREMENTS

ASSOCIATE OF ARTS IN GEOGRAPHY

General Studies Core Curriculum ..... 21 Hours

ENG 110 and ENG 120	6
HIS 100 and HIS 120	6
MAT 111 and MAT 112	6
HED 112	2
PED	1

Major Courses .....

A. Discipline ..... 18 Hours

GGY 210	Principles of Geography	3
GGY 220	World Regional Geography	3
GGY	Electives (12) credits	12

B. Electives ..... 24 Hours

ENG/Foreign Language (6) credits	6
Social Science (12) credits	12
OPEN (6) credits	6

Other Program Requirements ..... N/A

Curriculum for A.A. Degree in Geography ..... 63 Hours

ASSOCIATE OF ARTS IN GEOGRAPHY

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 English Composition I	3	HED 112 Personal Hygiene	2
HIS 110 World History to 1600	3	MAT 112 Quan. & Anal. Thinking II	3
MAT 111 Quan. & Anal. Thinking I	3	ENG 120 English Composition II	3
GGY 210 Prin. of Geography	3	HIS 120 World History Since 1600	3
Elective	3	GGY 220 World Regional Geography	3
PED Physical Education	1	Elective	3
	16		17

SECOND YEAR

ENG/Foreign Language Elective	3	ENG/Foreign Language Elective	3
GGY Elective	3	GGY Elective	3
GGY Elective	3	GGY Elective	3
Social Science Electives	6	Social Science Elective	6
	15		15

PROGRAM REQUIREMENTS

ASSOCIATE OF ARTS IN GERMAN

General Studies Core Curriculum ..... 32 Hours

A. Discipline ..... 24 Hours

GER 211	Intermediate German I	3
GER 212	Intermediate German II	3
GER 321	German Civilization	3
GER 310	Advanced Conv. and Phon.	3
GER 330	Hist. of German Language	3
GER 410	Survey of German Literature I	3
GER 420	Survey of German Literature II	3
GER 421	Advanced Grammar	3

B. Electives ..... 9 Hours

Curriculum for A.A. Degree in German ..... 65 Hours

ASSOCIATE OF ARTS IN GERMAN

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 English Composition I	3	ENG 120 English Composition II	3
MAT 111 Quan. & Anal. Thinking I	3	MAT 112 Quan. & Anal. Thinking II	3
Natural Science Elective	4	Natural Science Elective	4
GER 211 Intermediate German	3	GER 212 Intermediate German	3
HIS/HUM Elective	3	HIS/HUM Elective	3
HED 112 Personal Hygiene	2	PED Physical Education	1
	18		17

SECOND YEAR

GER 321 German Civilization	3	ENG 211 World Literature	3
GER 310 Advanced Conv. & Phon.	3	GER 330 History of German Language	3
GER 410 Survey of Ger. Literature	3	GER 430 Survey of German Literature	3
PHL 210 Intro. to Philosophy	3	GER 421 Advanced Grammar	3
Social Science Elective	3	Social Science Elective	3
	15		15

PROGRAM REQUIREMENTS

ASSOCIATE OF ARTS IN HISTORY

General Studies Core Curriculum ..... 26-29 Hours

ENG 110 and ENG 120	6
MAT 111 or MAT 123 and MAT 112 or Mat 124	6
HIS 110 Social Institutions	3
Science Requirement (6-8) credits	8
Physical Education	1
HED 112 Personal Hygiene	2

Major Courses .....

A. Discipline ..... 21 Hours

HIS 120	World History to 1600	3
HIS 211	The U.S. to 1865	3
HIS 212	The U.S. Since 1865	3
HIS Electives		12

B. Electives..... 15 Hours

Social Science	6
Electives from any discipline	3
Electives from English or Foreign Language	6

Curriculum for A.A. Degree in History ..... 62-65 Hours

ASSOCIATE OF ARTS IN HISTORY

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 English Composition 1	3	HED 112 Personal Hygiene	2
HIS 110 World History to 1600	3	MAT 112 Quan. & Anal. Thinking	3
MAT 111 Quan. & Anal. Thinking 1	3	ENG 120 English Composition 11	3
Elective	3	HIS 120 World History Since 1600	3
PED Physical Education	1	POL 210 Principles of Amer. Govt.	3
Social Science Elective	3	HIS 211 The U.S. to 1865	3
	16		17

SECOND YEAR

HIS 212 The U.S. Since 1865	3	PHL 210 Intro. to Philosophy	3
ENG/Foreign Language Elective	3	ENG/Foreign Language Elective	3
HIS Electives	6	HIS Electives	6
Natural Science Elective	4	Natural Science Elective	4
		Social Science Elective	3
	16		19

PROGRAM REQUIREMENTS

ASSOCIATE OF ARTS IN INTERMEDIATE EDUCATION

General Studies Core Curriculum ..... 32 Hours

MAT 111 and MAT 112	6
ENG 110 and ENG 120	6
PED and HED 112	3
HIS/HUM Electives	6
Science Requirement	8
Speech	3

Major Course .....

A. Discipline..... 30 Hours

ART 422	Art in the Intermediate Grades 4-9	3
EDU 310	Foundations of Education	3
EDU 330	Edu. Psych. & Meas.	3
EDU 340	Human Development	3
ENG 300	Children's Literature	3
HED 322	Health in the Intermediate Grades	3
MUS 350	Music in the Intermediate School	3
PED 322	Physical Education in the Intermediate Grades	3
RDG 315	Teaching Rdg. in the Elem. School	3
SED 320	Education of the Exceptional Child	3

Other Program Requirements ..... 6 Hours

Prerequisites for courses having prerequisites must be taken first.

Curriculum for A.A. Degree in Intermediate Education ..... 68 Hours

ASSOCIATE OF ARTS IN INTERMEDIATE EDUCATION

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 English Composition I	3	HED 112 Personal Hygiene	2
MAT 111 Quan. & Anal. Thinking I	3	MAT 112 Quan. & Anal. Thinking II	3
SPE 200 Introduction to Speech	3	ENG 120 English Composition II	3
HIS/HUM Elective	3	HIS/HUM Elective	3
Natural Science Elective	4	Natural Science Elective	4
PED Physical Education	1		15
	17		

SECOND YEAR

ART 422 Art for Inter. Grades	3	POL 210 Prin. of Amer. Govt.	3
PSY 210 General Psychology	3	ENG 300 Children's Literature	3
EDU 310 Found. of Education	3	HED 322 H.E. in Inter. Schools, or	
RDG 315 Tch. Read. - Elem. Schools	3	HED 421 Prin./Prac./Proc. in H.E.	3
PED 322 P.E. in Inter. Grades, or		EDU 340 Human Development	3
PED 260 Theory/Prac. Elem. Phy. Ed.	3	SED 320 Edu. of Exceptional Child	3
MUS 350 Music in the Inter. School	3	EDU 330 Edu. Psych. & Meas.	3
	18		18

PROGRAM REQUIREMENTS

ASSOCIATE OF ARTS IN MATHEMATICS

General Studies Core Curriculum ..... 32 Hours

MAT 123 and MAT 124 are required.
PHY 111 and PHY 112 satisfy the science requirement.
HIS/HUM electives consist of six credits and social science electives three credits.

Major Courses .....

A. Discipline ..... 27 Hours

MAT 123	College Algebra	3
MAT 124	College Trigonometry	3
MAT 142	Calculus with Anal. Geometry I	4
MAT 241	Calculus with Anal. Geometry II	4
MAT 251	Linear Algebra	3
MAT 361	Intro. to Mod. Algebra I	3
MAT 242	Calculus with Anal. Geometry III	4
MAT 331	Differential Equations I	3

B. Electives ..... 3 Hours

A three credit elective from MAT/CSC/STA

Other Program Requirements .....

In addition to the above requirements STA 202, and CSC 101 are required. A student must pass prerequisite courses prior to enrolling in subsequent courses.

Curriculum for A.A. Degree in Mathematics ..... 62 Hours

ASSOCIATE OF ARTS IN MATHEMATICS

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 English Composition I	3	ENG 120 English Composition II	3
MAT 123 College Algebra	3	MAT 142 Calc. with Anal. Geometry I	4
MAT 124 College Trigonometry	3	MAT 251 Linear Algebra	3
CSC 101 Comp. Prog: FORTRAN	3	HIS/HUM Elective	3
HIS/HUM Elective	3	Social Science Elective	3
	15		16

SECOND YEAR

MAT 241 Calc. with Anal. Geom. II	4	MAT 242 Calc. with Anal. Geometry III	4
STA 202 Basic Pro. & Statistics	3	MAT 331 Diff. Equations I	3
MAT 361 Intro. to Mod. Algebra I	3	PHY 112 General Physics II	4
Social Science Elective	3	MAT/CSC/STA Elective	3
PHY 111 General Physics	4		
	17		14

PROGRAM REQUIREMENTS

ASSOCIATE OF ARTS IN MATHEMATICS (COMPUTER SCIENCE CONCENTRATION)

General Studies Core Curriculum ..... 32 Hours

MAT 123 and MAT 124 are required.
PHY 111 and PHY 112 satisfy the science requirement.
HIS/HUM electives consist of six credits and social science electives three credits.

Major Courses.....

A. Discipline.....16 Hours

MAT 123	College Algebra	3
MAT 124	College Trigonometry	3
MAT 142	Calculus with Anal. Geometry I	4
MAT 251	Linear Algebra	3
MAT 372	Linear Programming	3

Concentration Course Credits ..... 18 Hours

CSC 101	Comp. Prog. (FORTRAN)	3
CSC 102	Comp. Prog. (COBOL)	3
CSC 201	Basic Org./Ass. Language	3
CSC 202	Systems Anal. and Tech.	3
CSC 210	Comp. Prog. (Pascal)	3
CSC 402	Info. Storage/Retriev.	3

B. Electives ..... 3 Hours

A three credit elective from MAT/CSC/STA

Other Program Requirements .....

Student must pass prerequisite courses prior to enrolling in subsequent courses.

Curriculum for A.A. Degree in Mathematics
Computer Science Concentration ..... 63 Hours

ASSOCIATE OF ARTS IN MATHEMATICS COMPUTER SCIENCE CONCENTRATION

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 English Composition I	3	ENG 120 English Composition II	3
MAT 123 College Algebra	3	MAT 124 College Trigonometry	3
CSC 101 Comp. Prog: FORTRAN	3	Social Science Elective	3
HIS/HUM Elective	3	CSC 102 Comp Prog: COBOL	3
Social Science Elective	3	HIS/HUM Elective	3
	15		15

SECOND YEAR

CSC 201 Basic Org/Ass Lang.	3	CSC 202 Systems Anal. & Tech.	3
CSC 210 Comp. Prog. (Pascal)	3	CSC 402 Info. Storage/Retriev	3
MAT 142 Calc. with Anal. Geom. 1	4	MAT/CSC/STA Elective	3
PHY 111 Physics	4	PHY 112 Physics	4
MAT 251 Linear Algebra	3	MAT 372 Linear Programming	3
	17		16

PROGRAM REQUIREMENTS

ASSOCIATE OF ARTS IN MUSIC EDUCATION

General Studies Core Curriculum ..... 32 Hours

Major Courses .....

Discipline ..... 26 Hours

MUS 100	Basic Musicianship	0
MUS 152	Harmony, Sight Sing, Ear Training I	3
MUS 210	Music Appreciation	3
MUS 281	Harmony, Sight Singing, Ear Training II	3
MUS 292	Harmony, Sight Singing, Ear Training III	3
MUS	Electives	6
MUS	Ensemble (Choir, Jazz Ensemble, Marching Band, Concert Band	4
MUS	Applied	4

Students who are taking applied voice, organ, and piano should enroll in the ensemble, Music 110-Choir. Students who are taking applied brass, percussion, strings, and woodwinds should enroll in either of the following ensembles: Music 140, Jazz Ensemble, Music 191, Marching Band, and Music 192, Concert Band.

Students who take applied voice will enroll in the following courses: Music 177, 188, 277, and 288.

Students who play piano and organ will enroll in their applied sequences as indicated:

Applied Piano: Music 171, Music 182, Music 271, Music 282.
Applied Organ: Music 169, Music 180, Music 269, Music 280.

Students who play brass, percussion, strings and applied woodwind instruments will enroll in their applied sequence as indicated:

Applied Brass: Music 167, Music 178, Music 267, Music 278, Music 367, Music 467, Music 478.
Applied Percussion: Music 173, Music 184, Music 273, Music 284, Music 373, Music 384, Music 473, Music 479.
Applied Strings: Music 175, Music 186, Music 275, Music 286, Music 375, Music 386, Music 475, Music 486.
Applied Woodwinds: Music 179, Music 190, Music 279, Music 290, Music 379, Music 390, Music 479, Music 490.

Other Program Requirements .....

All instrumental applied students should own their instruments. A theory placement examination will be administered to all transfer students. All applied students should receive approval from their instructors before performing on public programs.

Curriculum for A.A. Degree in Music ..... 64 Hours

ASSOCIATE OF ARTS IN MUSIC EDUCATION

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 English Composition I	3	MAT 112 Quan. & Anal. Thinking II	3
MAT 111 Quan. & Anal. Thinking 1	3	ENG 120 English Composition II	3
HIS 100 Social Institutions	3	HIS 110 World History to 1600	3
PED Physical Education	1	HED 112 Personal Hygiene	2
MUS 100 Basic Musicianship	0	MUS 152 Har/Sight/Ear Training I	3
MUS 110/191 Choir or Band	1	MUS Applied Music	1
MUS Applied Music	1	MUS 110/192 Choir or Band	1
	12		16

SECOND YEAR

Science Elective	4	Science Elective	4
ENG Elective	3	SPE 200 Intro. to Speech	3
MUS Elective	3	HUM Elective	3
MUS 281 Har/Sight/Ear Tr II	3	MUS 292 Har/Sight/Ear Tr. III	3
MUS Applied Music	1	MUS Applied Music	1
MUS 110/191 Choir or Band	1	MUS 110/192 Choir or Band	1
MUS Electives	3	MUS Elective	3
	18		18

PROGRAM REQUIREMENTS
ASSOCIATE OF ARTS IN POLICE SCIENCE

General Studies Core Curriculum ..... 21-23 Hours

ENG 110 and ENG 120 are required	6
MAT 111 and MAT 123 satisfy the math requirement	6
Physical Education	1
Science Requirement	6
HED 112 Personal Hygiene	2

Major Courses .....

A. Discipline ..... 43 Hours

EDU 340	Human Development	3
PSC 101	Introduction to Law Enforcement	3
POL 210	Principles of American Government	3
SOC 210	Principles of Sociology	3
SOC 340	Crime and Delinquency	3
POL 320	State and Local Government	3
ART 432	Basic Photography	4
H/P 341 or H/P 342		3
PSC Electives		18

B. Electives ..... 3 Hours

A (3) three credit elective in social science.

Curriculum for A.A. Degree in Police Science ..... 67-69 Hours

ASSOCIATE OF ARTS IN POLICE SCIENCE

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
PSC 101 Intro. to Law Enforcement	3	HED 112 Personal Hygiene	2
ENG 110 English Composition I	3	MAT 112 Quan. & Anal. Thinking II	3
MAT 111 Quan. & Anal. Thinking I	3	ENG 120 English Composition II	3
PED Physical Education	1	POL 210 Prin. of Amer. Govt.	3
PSC Electives	6	SOC 210 Prin. of Sociology	3
		PSC Electives	6
	16		20

SECOND YEAR

POL 320 State & Local Govt.	3	H/P 342 Const. Law & Hist. or	3
EDU 340 Human Development	3	H/P 342 Civil Rights & Const.	3
SOC 340 Crime & Delinquency	3	ART 432 Basic Photography	4
Natural Science Elective	4	PSC Elective	3
PSC Elective	3	Natural Science Elective	4
		Social Science Elective	3
	16		20

PROGRAM REQUIREMENTS

ASSOCIATE OF ARTS IN POLITICAL SCIENCE

General Studies Core Curriculum ..... 29 Hours

ENG 110 and ENG 120	6
MAT 111 and MAT 112	6
HIS 110 and HIS 120	6
PED	1
HED 112	2
Science Electives	8

Major Courses .....

A. Discipline ..... 24 Hours

POL 210 Principles of American Government	3
POL 350/351/352 or H/P 310	3
POL Electives	18
PSC Electives	

B. Electives ..... 6 Hours

English/Foreign Language

Curriculum for A.A. Degree in Political Science ..... 59 Hours

ASSOCIATE OF ARTS IN POLITICAL SCIENCE

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 English Composition 1	3	HED 112 Personal Hygiene	2
HIS 110 World History to 1600	3	MAT 112 Quan. & Anal. Thinking 11	3
MAT 111 Quan. & Anal. Thinking 1	3	ENG 120 English Composition 11	3
POL 210 Principles of Amer. Govt.	3	HIS 120 World History Since 1600	3
PED Physical Education	1	HUM Elective	3
POL Elective	3	POL Elective	3
	16		17

SECOND YEAR

POL 350/351 or H/P 310	3	ENG/Foreign Language	3
ENG/Foreign Language Elective	3	POL Elective	3
POL Elective	6	Science Elective	4
Science Elective	4		
	16		10

PROGRAM REQUIREMENTS

ASSOCIATE OF ARTS IN PUBLIC ADMINISTRATION

General Studies Core Curriculum ..... 27-29 Hours

ENG 110 and ENG 120	6
MAT 111 and MAT 112	6
HIS 110 and HIS 120	6
Physical Education	1
HED 112	2
Science Electives	8

Major Courses .....

A. Discipline ..... 30 Hours

POL 210	Principles of American Government	3
POL 220	Principles of Public Admin.	3
POL 320	State and Local Government	3
POL 301	Organizational Theory	3
POL 312	Public Leadership Management	3
POL 401	Fed. & International Rel.	3
Public Admistration Electives		9
POL	Electives	3

B. Electives ..... N/A

Other Program Requirements .....

In addition to the above requirements CSC 101 is required ..... 3 Hours

Curriculum for A.A. Degree in Public Administration ..... 60-62 Hours

ASSOCIATE OF ARTS IN PUBLIC ADMINISTRATION

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 English Composition I	3	HED 112 Personal Hygiene	2
HIS 110 World History to 1600	3	MAT 112 Quan. & Anal. Thinking II	3
MAT 111 Quan. & Anal. Thinking I	3	ENG 120 English Composition II	3
POL 210 Principles of Amer. Govt.	3	HIS 120 World History Since 1600	3
PED Physical Education	1	POL 220 Prin. of Pub. Administration	3
POL Elective	3	POL 320 State & Local Govt.	3
	16		17

SECOND YEAR

CSC 101 Prog. Lang. (FORTRAN)	3	POL 401 Fed. & Intergov. Rela.	3
POL 301 Organizational Theory	3	POL 442 Public Policy Anal.	3
POL 312 Pub. Leadership Mgmnt.	3	Public Administration Electives	6
Public Administrative Elective	3	Science Elective	4
Science Elective	3-4		
	15-16		16

PROGRAM REQUIREMENTS

ASSOCIATE OF ARTS IN PSYCHOLOGY

General Studies Core Curriculum ..... 23 Hours

ENG 110 and ENG 120	6
MAT 111 and MAT 123	3
MAT 112 or MAT 124	3
BIO 110 General Biology I	3
BIO 120 General Biology I Lab	1
BIO 130 General Biology II	3
BIO 140 General Biology II Lab	1
Physical Education	1
HED 112 Personal Hygiene	2

Major Courses .....

A. Discipline ..... 12 Hours

PSY 210	General Psychology	3
PSY 340	Human Development	3
PSY	Electives	6

B. Electives ..... 24 Hours

ENG/Foreign Language	6
HIS/HUM Elective	6
Electives from any discipline	6
Social Science Electives	6

Other Program Requirements ..... 3 Hours

In addition to the above, PHL 210 is required.

Curriculum for A.A. Degree in Psychology..... 62 Hours

ASSOCIATE OF ARTS IN PSYCHOLOGY

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 English Composition I	3	HED 112 Personal Hygiene	2
MAT 111 Quan. & Anal. Thinking I	3	MAT 112 Quan. & Anal. Thinking II	3
PSY 210 General Psychology	3	ENG 120 English Composition II	3
HIS/HUM Elective	3	PSY 340 Human Development	3
PED Physical Education	1	HIS/HUM Elective	3
PHL 210 Introduction to Philosophy	3		
	16		14

SECOND YEAR

BIO 110 General Biology I	3	BIO 130 General Biology II	3
BIO 120 General Biology I Lab	1	BIO 140 General Biology II Lab	1
ENG/Foreign Language Elective	3	ENG/Foreign Language Elective	3
Elective	3	Elective	3
PSY Elective	3	PSY Elective	3
Social Science Elective	3	Social Science Elective	3
	16		16

PROGRAM REQUIREMENTS

ASSOCIATE OF ARTS IN SECRETARIAL SCIENCE

General Studies Core Curriculum ..... 18 Hours

ENG 110 English Composition I	3
ENG 120 English Composition II	3
MAT 111 Quan. & Anal. Thinking I	3
MAT 112 Quan. & Anal. Thinking II	3
HED 112 Personal Hygiene	2
PED Physical Education	1
SPE 200 Speech	3

Major Courses .....

A. Discipline ..... 47 Hours

ACT 211	Principles of Accounting I	3
ACT 212	Principles of Accounting II	3
BAD 200	Intro. to Data Processing	3
BED 110	Keyboarding	2
BED 115	Keyboarding Applications	3
BED 211	Word/Information Processing	3
BED 210	Introduction to Business	3
BED 220	Business Machines	3
BED 221	Elem. Shorthand	3
BED 222	Interm. Shorthand	3
BED 311	Adv. Shorthand & Trans	3
BED 312	Adv. Shorthand & TransII	3
BED 310	Business Communications	3
BED 411	Adm. Sec. Proc.	3
BED 412	Secretarial Internship	3
BED 420	Office Management	3

Curriculum for A.A. Degree in Secretarial Science ..... 65 Hours

ASSOCIATE OF ARTS IN SECRETARIAL SCIENCE

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 English Composition I	3	ENG 120 English Composition II	3
MAT 111 Quan. & Anal. Thinking I	3	MAT 112 Quan. & Anal. Thinking II	3
BED 110 Keyboarding	2	BED 115 Keyboarding Applications	3
BED 221 Elem. Shorthand	3	BED 222 Inter. Shorthand	3
BED 210 Intro. to Business	3	BED 220 Business Machines	3
PED Physical Education	1	HED 112 Personal Hygiene	2
	15		16

SECOND YEAR

ACT 211 Prin. of Accounting I	3	ACT 212 Prin. of Accounting II	3
BED 310 Business Communications	3	BED 312 Adv. Shorthand & Trans. II	3
BED 211 Word/Information Processing	3	BED 420 Office Management	3
BED 311 Adv. Shorthand & Trans.	3	BED 412 Secretarial Internship	3
BED 411 Adm. Sec. Procedures	3	BAD 200 Intro. to Data Processing	3
SPE 200 Intro. to Speech	3		
	18		15

PROGRAM REQUIREMENTS
ASSOCIATE OF ARTS IN SOCIOLOGY

General Studies Core Curriculum ..... 29 Hours

ENG 110 and ENG 120	6
MAT 111 and MAT 112	6
Science Elective	8
HIS 211 and HIS 212	6
PED	1
HED 112 Personal Hygiene	2

Major Courses .....

A. Discipline ..... 21 Hours

SOC 210	Principles of Sociology	3
SOC 311	Culture & Personality	3
SOC 331	Social Statistics	3
SOC 340	Crime & Delinquency	3
SOC 342	Minorities	3
SOC 360	Sociology of Deviant Behavior	3
ANT 210	Introduction to Anthropology	3

B. Electives ..... 12 Hours

HIS/HUM	6
ENG/Foreign Language	6

Other Program Requirements.....3 Hrs.

In addition to the above requirements, PSY 210 is also required.

Curriculum for A.A. Degree in Sociology..... 65 Hours

ASSOCIATE OF ARTS IN SOCIOLOGY

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 English Composition I	3	HED 112 Personal Hygiene	2
MAT 111 Quan. & Anal. Thinking I	3	MAT 112 Quan. & Anal. Thinking II	3
HIS 211 The U.S. to 1865	3	ENG 120 English Composition II	3
Natural Science Elective	4	HIS 212 The U.S. Since 1865	3
PED Physical Education	1	Natural Science Elective	4
	14		15

SECOND YEAR

ANT 210 Intro. to Anthropology	3	SOC 332 Social Statistics	3
PSY 210 General Psychology	3	SOC 340 Crime & Delinquency	3
SOC 210 Prin. of Sociology	3	SOC 342 Minorities	3
SOC 311 Culture & Personality	3	SOC 360 Soc. of Deviant Behavior	3
ENG/Foreign Language Elective	3	ENG/Foreign Language Elective	3
HIS/HUM Elective	3	HIS/HUM Elective	3
	18		18

PROGRAM REQUIREMENTS

ASSOCIATE OF ARTS IN SPANISH

General Studies Core Curriculum ..... 32 Hours

Major Courses .....

A. Discipline ..... 18 Hours

SPA 211	Intermediate Spanish I	3
SPA 212	Intermediate Spanish II	3
SPA 311	Spanish Conversation	3
SPA 312	Spanish Conversation and Comp.	3
SPA 321	Spanish Civ. and Culture	3
SPA 340	Survey of Spanish Literature	3

B. Electives ..... 15 Hours

Curriculum for A.A. Degree in Spanish..... 65 Hours

ASSOCIATE OF ARTS IN SPANISH

FIRST YEAR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
ENG 110 English Composition I	3	ENG 120 English Composition II	3
MAT 111 Quan. & Anal. Thinking I	3	MAT 112 Quan. & Anal. Thinking II	3
Natural Science Elective	3-4	Natural Science Elective	3-4
SPA 211 Inter. Spanish	3	SPA 212 Inter. Spanish	3
HIS/HUM Elective	3	HED 112 Personal Hygiene	2
PED Physical Education	1	HIS/HUM Elective	3
	16-17		17-18

SECOND YEAR

ENG 211 World Literature	3	SPA 312 Span. Conv. & Comp.	3
SPA 311 Spanish Conversation	3	SPA 340 Survey of Spanish Lit.	3
SPA 321 Spanish Culture & Civ.	3	Social Science Elective	3
Social Science Elective	3	Elective	3
Elective	3	PHL 210 Intro. to Philosophy	3
	15		15

GRADUATE STUDIES

There are currently two schools offering graduate degrees: Business and Education. Business offers the MBA degree and Education the MA degree.

The office for the MBA program is located in the Butler Building. The office for the MA degree is located in the Science Annex Building.

The Master of Arts in Education is a professional degree. All programs of study require a minimum of thirty (30) credits.

Graduate study is different from the undergraduate in the following respects: (1) The graduate student is expected to assume greater responsibility and to exercise more individual initiative; (2) More extensive and intensive reading is required; (3) Greater emphasis is placed on research; (4) Class participation is expected more frequently; and (5) More instruction is provided in specialized areas.

GRADUATE COUNCIL

The graduate programs are guided by the Graduate Council which develops the policy to guide and regulate administration of graduate activities.

The graduate programs are administered by a Director of Graduate Studies who is appointed by the Chancellor.

The Graduate Council is chaired by the Director of Graduate Studies and is composed of members appointed by the Chancellor of the University.

ADMISSION TO GRADUATE STUDIES

Fayetteville 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, sex, age or handicap. Moreover, Fayetteville State University is open to people of all races and actively seeks to promote racial integration by recruiting and enrolling a larger number of white students.

To avoid unnecessary delay in processing the application for admission, the applicant must return the completed application and all supporting documents to the Office of Graduate Studies.

Graduate students who are interested in pursuing degrees at Fayetteville State University may be admitted to Graduate Studies on an unconditional or conditional basis.

Others are admitted to courses for certification, certificate renewal, or as transients from another university.

GENERAL REQUIREMENTS FOR APPLICANTS

1. Admissions Requirements for Proposed Degree Program Applicants (Minimum Requirements and General Requirements)

Admission to graduate study may be granted to degree seeking students or to special graduate students who do not wish to study for a degree. Furthermore, students who are interested in pursuing degrees through the Graduate Studies at Fayetteville State University should meet the following general admission requirements for unconditional admission to the Master's degree program:

a. Admission Requirements for Degree-Seeking Applicants: (Unconditional Status)

(1) Applicants must have earned a baccalaureate degree from a regionally accredited college or university.

(2) Applicants must apply on an application form furnished by the Fayetteville State University Office of Graduate Studies at least four weeks prior to the semester or summer sessions in which they propose to begin graduate study. A serious effort will be made to process applications received after this deadline,but consideration for the desired term will not be assured.

(3) Applicants must present two official undergraduate transcripts which show either an overall 2.50 average on a 4.00 scale for all undergraduate work, or a 3.00 average on a 4.00 scale in either the undergraduate major, prior graduate study, or in course work taken in the senior years. (See conditional admissions requirements).

(4) Applicants must provide a satisfactory official score from either the Graduate Record Examination (GRE) - Aptitude Section (and Area Section if required), the Miller Analogies Test (MAT), or the Graduate Management Aptitude Test (GMAT) as required by the particular programs.

(5) Prior to arrival at Fayetteville State University and before admission can be granted, applicants whose native language is not English must provide an acceptable proficiency level as indicated by attainment of scores of 550 on the Test of English as a Foreign Language (TOEFL), 85 on the Michigan Test of English Language Proficiency, or completion of Level 8 at an ESL Language Center with a positive recommendation on readiness to pursue university work. Results must be forwarded to the Office of Graduate Studies before consideration can be given to applicants for admission.

(6) Each applicant must submit two letters of recommendation from professors or others qualified to evaluate the applicant's abilities to pursue graduate work in his or her chosen field.

(7) And where required by the certification program, the applicants must hold a North Carolina Class A teaching certificate in the chosen field of graduate study or a comparable certificate from another state.

Once applicants have met the general admission requirements, each one must receive the approval of the department in which he plans to pursue a major. Each such unit reserves the right to require additional data.

b. Admission Requirements for Degree-Seeking Applicants: (Conditional Status)

Applicants who do not meet all of the standards for unconditional admission may be admitted conditionally to a program if any or all of the following apply:

(1) Applicants with lower averages than 2.50 or 3.00, as specified above, may be admitted on a conditional basis, but must have strong supporting evidence of ability to perform graduate studies. Upon admission, such students will be required to maintain a "B" average during the first twelve semester hours of work completed in the Fayetteville State graduate program. Upon meeting this standard, an applicant may apply for Unconditional Admission status.

(2) Graduates of institutions approved as four year colleges by the State Department of Public Instruction in the states where they are located by which are not fully accredited by their regional accrediting agencies.

(3) Applicants who do not provide a satisfactory score on the required entrance examination will be required to provide an additional score.

2. Requirements for Non-Degree Applicants and Transient Students:

a. Applicants who do not wish to pursue graduate degree programs, but who desire resident course work credit for special purposes such as certification, may be admitted by meeting the following standards:

(1) Applicants must submit an admissions application.

(2) Applications must be supported by official transcripts which verify that the applicant has earned a baccalaureate or master's degree.

(3) Additional information may be required by the program areas, such as letters of recommendation, teaching certificate.

Note: A maximum number of semester hours of credits earned by a student while in a special admission status may be used to fulfill requirements for any graduate degree program where such credits are appropriate.

b. Special Admissions (Fayetteville State University Students with Senior Classification)

Fayetteville State University Students with senior classification may be permitted to register for graduate courses in accordance with the following provisions:

(1) Each student must have an overall grade point average of B or better.

(2) The student must be eligible for graduation during the academic year in which he is registered for graduate courses.

(3) The student's admission to courses for graduate credit must be approved by the Director of Graduate Studies and the Head of the Department in which the undergraduate student is pursuing a major.

(4) Graduate courses taken and used by the student to fulfill undergraduate degree requirements will not be recognized and recorded as graduate credit by the University. However, a graduate course approved and taken by the student for graduate credit may be used to fulfill graduate degree requirements in accordance with University policy on transfer of credit as applicable to all graduate students.

(5) For the period during which an undergraduate student is registered for graduate courses, the student's total registration must not exceed 15 semester hours for a semester or 9 semester hours for a summer session.

TRANSFER CREDITS

A maximum of nine (9) semester hours of transfer credit may be accepted toward completion of graduate degree requirements. Course work considered for transfer credit includes graduate level courses taken at other accredited institutions in residence or extension which carry a grade of "B" or above. Graduate level course work is not automatically transferable into Fayetteville State University Master's degree programs. Students wishing to transfer credits must submit official transcripts and other appropriate course identification information to the advisor for initial approval. The recommendations of the advisor are forwarded to the Director of Graduate Studies for final approval. Course work may be transferred upon unconditional admission by the student into a graduate studies program. Course work being considered for transfer should not be older than six (6) years at the time the student is unconditionally admitted. Exceptions to this and other transfer policies must be approved by the appropriate bodies.

READMISSION

Students who interrupt their graduate studies for a full academic year (two semesters) must apply for readmission to the University through the Office of Graduate Studies.

MILLER ANALOGIES TEST (MAT)

The Miller Analogies Test is one of the prerequisites for being admitted to the graduate programs in education at Fayetteville State University. It is suggested that one take the test if remotely interested in a graduate program. Taking the test places one under no obligation. Tests results are confidential and will be sent only to the person tested unless other distribution is requested in writing by that person. PRE-REGISTRATION is REQUIRED because of limited space. A small, free study guide is available from the Testing Office for those persons who pre-register.

GRADUATE RECORD EXAMINATION (GRE)

The GRE may also be used as a prerequisite for admission to the graduate programs. Fayetteville State University administers the GRE and provides literature and application forms for the test.

COURSE LOAD

No more than twelve (12) credit hours of work may be taken in any one regular semester. No more than six credit hours of work may be taken during any one term of the summer session. A student is considered to be enrolled full-time when registered for a minimum of six credits during a regular semester and three during a summer session.

GRADUATION

Application for graduation must be filed in the Office of the Registrar early in the semester in which the candidate expects to receive the degree.

GRADUATE CERTIFICATION

Application for North Carolina 'G' Certification must be filed in the Office of Student Teaching. An application fee is required. Checks should be made to the North Carolina State Board of Education.

MASTER OF ARTS IN EDUCATION

EDUCATION DEGREES OFFERED

The University offers the Master of Arts in Education degrees with majors in elementary education, school administration and supervision, and special education.

The Education Administration curriculum leads to the principal's certificate and/or supervisor's certificate, Level I.

The Education Administration curriculum leads to graduate certification in intermediate education, middle school education, and early childhood education, as well as graduate certification in reading.

The Special Education curriculum leads to graduate certification in two or more of the following categorical areas of handicapped children: learning disabilities, mental retardation, and emotional disturbance.

All education programs are accredited and approved for certification in North Carolina.

MASTER OF ARTS IN EDUCATION REQUIREMENTS

1 . Unconditional admission to graduate study.

2. Admission to degree candicacy, which is dependent upon (a) degree program planned with the advisor and (b) having completed at least twelve (12) credits at Fayetteville State University.

3. Completion of a minimum of 30 credits of course work in a program approved by the major area advisor. At least 21 credits must be earned at Fayetteville State University.

4. The completion of the program with at least a "B" average and no more than two "C" grades. A student who receives an "F" on any course will be withdrawn from the program. This action may be appealed by the student and his advisor to the Graduate Council for review.

5. Satisfactory performance on written and/or oral comprehensive examinations.

6. The residence requirements for the Master's degree is met when a student has earned at least eighteen (18) credits of the graduate degree at Fayetteville State University.

GRADING SYSTEM

The grading system for the Master's Degree is as follows:

A — Excellent
B — Good
C — Passing
I — Incomplete (Must be removed within one year)
F — Failure

COMPREHENSIVE EXAMINATIONS

Written Comprehensive Examinations

A candidate for the Master of Arts in Education degree, in addition to the regular examinations in courses taken for graduate credit, must pass a written comprehensive examination in the major area of specialization. It will consist of essay questions focusing on the general education area as well as the specific area(s) of concentration. The written comprehensive will be assembled and administered under the

direction of the Director of Graduate Studies by the faculty in the area of the student's major.

The comprehensive examinations must be administered at least four weeks before the end of the semester in which the candidate expects to receive the degree. A candidate is eligible to take the examination after completion of at least eighteen (18) credits and after approval by the Director of Graduate Studies.

A candidate may take the comprehensive examination no more than twice, and the student must wait at least one semester to retake the examination.

Oral Examination

Some programs for the Master of Arts in Education require an oral examination. Candidates who write a thesis will be expected to defend the thesis as well as respond to questions regarding the major field during this examination. Other candidates who do not choose to take the thesis option will respond to questions regarding the major field only.

It is the student's responsibility to apply for the examination. Applications are available at the graduate office, Science Annex, Room 101.

THESIS

SPECIFIC PROGRAM REQUIREMENTS — GRADUATE EDUCATION

EDUCATIONAL ADMINISTRATION AND SUPERVISION

For the degree in administration, and preparation for the N.C. Principals or Supervisors Certificate, candidates for degree must hold an N.C. "A" Certificate and complete a minimum of thirty (30) credits of course work, eighteen (18) of which must be in residence at FSU.

Those desiring the degree but not State Certification in N.C. may waive the use of courses to meet certification requirements thus bypassing the need for an "A" level teaching certificate.

The program is characterized by flexibility, individualization, and personalization to allow for differences in the capabilities, individualization, and educational background of candidates. Consideration is given to candidates' entry-level competencies.

Individualized courses of study are set up based on initial competencies, and both oral and written comprehensive exams are used in the exit evaluation of the graduates.

Courses are taken from those listed under the course description section of this Catalogue. Planned programs are developed by and with the consent of an advisor assigned by the Director of Graduate Studies. Program brochures contain more explicit detail about the respective programs.

There are two (2) tracks for certification by the North Carolina Department of Public Instruction. One leads to the Administrator's Certificate, Level I; the other to the Curriculum-Instructional Specialist, Level I.

Programs for the respective track must be planned and approved by an advisor prior to taking courses. Demonstrated competencies, professional experience and Previous studies are considered when planning each individual's program.

Students with no prior graduate work may expect to complete 36 semester hours of work for the degree and "G" certification. Those not desiring "G" level certification as an administrator or supervisor may complete the degree with 30 semester hours credit. Courses required of all students with no prior graduate work include History and Philosophy of Education, Advanced Educational Psychology, and Educational Research. The remainder of the student's program is planned on an individual basis. Guidelines for "G" level certification as established by the North Carolina State Department of Instruction are followed in planning each student's academic program.

The academic program for administrators includes the following courses by guidelines of the NCSDPI:

EDUCATIONAL ADMINISTRATION

ADMINISTRATOR CERTIFICATE (PRINCIPAL)

Guideline 1: The program should provide advanced levels of study in the humanistic and behavioral components of preparation. (2-6 Semester Hours)

EDA 533	Home, School, Community Relations	(2)
EDU 600	History and Philosophy of Education	(3)
EDU 602	Foundations of Education	(3)
PSY 640	Social Psychology	(3)

Guideline 2: The program should develop knowledge and provide experiences designed to promote the acquisition of several different kinds of leadership styles and understanding of when each style should be used. (2-6 Semester Hours)

EDA 640	Principles and Practices of Supervision	(3)
EDA 641	Seminar - Supervision	(3)
EDA 642	Elementary School Administration	(3)
EDA 680	Topics in Administration	(3)

Guideline 3: The program should provide extensive study in the areas of organization and administration. (6-12 Semester Hours)

EDA 642	Elementary School Administration	(3)
EDA 647	Public School Finance	(3)
EDA 648	School Law	(3)
EDA 649	Secondary School Administration	(3)
ELE 644	Organization and Management of Reading Programs	(3)
SED 650	Leadership & Supervision of Exceptional Child Program	(3)

Guideline 4: The program should develop increased comprehension of principles and practices in curriculum development and instructional processes and the competence to interpret the principles and practices to others. (3-9 Semester Hours)

ELE 550	Reading in the Junior and Senior High School	(3)
ELE 605	Investigations in the Teaching of Reading	(3)
ELE 611	Foundations of Reading	(3)
ELE 615	Techniques of Teaching in the Elem. Schls.	(3)
ELE 642	Elementary School Curriculum	(3)
EDA 615	Techniques of Teaching in the High School	(3)
EDA 644	Foundations and Curriculum Development	(3)
PSY 692	Tests and Measurements	(3)
EDU 630	Advanced Educational Psychology	(3)
SED 530	Introduction to Exceptional Children	(3)
SED 631	Teaching the Handicapped Child (Academic Methods)	(3)

Guideline 5: The program should include internship-administrative field experiences. (6 Semester Hours)

EDA 691	Practicum in School Administrative Internship	(3)
EDA 692	Seminar in School Administration	(3)

Guideline 6: The program should develop an awareness of the need for continued learning on the job, for intelligent consumption of research, and for carrying out research activities. (3-6 Semester Hours)

EDU 680	Introduction to Research	(3)
EDU 699	Thesis	( )
PSY 690	Statistics in Education	(3)

CURRICULUM-INSTRUCTIONAL SPECIALIST

(SUPERVISOR CERTIFICATE)

Guideline 1: The program should provide advanced level study in the humanistic and behavioral components of preparation. (2-6 Semester Hours)

EDA 533	Home, School, Community Relations	(2)

EDU 600	History and Philosophy of Education	(3)
EDU 602	Foundations of Education	(3)
PSY 640	Social Psychology	(3)

Guideline 2: The program should provide comprehensive study of the dynamics of human behavior. (2-6 Semester Hours)

EDU 630	Advanced Educational Psychology	(3)
EDA 536	Principles of Guidance	(2)
PSY 537	Mental Hygiene in Schools	(2)
PSY 641	Advanced Child Psychology	(3)
SED 579	Management of Learning Environments	(3)

Guideline 3: The program should develop advanced level understanding of teaching-learning theory, including evaluation techniques related to learning. (3-9 Semester Hours)

ELE 520	Teaching and Evaluation in Early Childhood Education	(3)
ELE 605	Investigations in the Teaching of Reading	(3)
ELE 611	Foundations of Reading	(3)
ELE 615	Techniques of Teaching in the Elementary Schools	(3)
ELE 618	Reading: The Learning Bases	(3)
EDA 615	Techniques of Teaching in the High School	(3)
EDU 630	Advanced Educational Psychology	(3)
PSY 692	Tests and Measurements	(3)
SED 647	Educational Evaluation of Handicapped Children	(3)

Guideline 4: The program should develop advanced levels of comprehension in the areas of curriculum development and instructional processes. (3-9 Semester Hours)

ELE 552	Foundations and Curriculum of Early Childhood Education	(3)
ELE 567	Teaching Disadvantaged Children	(3)
ELE 623	Advanced Language Arts in Elementary Schools	(3)
ELE 642	Elementary School Curriculum	(3)
EDA 644	Foundations & Curriculum Development	(3)
EDU 560	Educational Communications, Methods & Materials	(3)
SED 530	Introduction to Exceptional Children	(3)
SED 631	Teaching the Handicapped Child (Academic Methods)	(3)
SED 648	Curriculum Development in Special Education	(3)

Guideline 5: The program should provide for the study of the principles, practices and techniques of instructional leadership and some study in the areas

of organization and administration. (3-9 Semester Hours)

ELE 644	Organization and Management of Reading Programs	(3)
EDA 640	Principles and Practices of Supervision	(3)
EDA 641	Seminar - Supervision	(2)
EDA 642	Elementary School Administration	(3)
EDA 644	Foundations and Curriculum Development	(3)
EDA 647	Public School Finance	(3)
EDA 648	School Law	(3)
EDA 649	Secondary School Administration	(3)
SED 650	Leadership & Supervision of Exceptional Child Program	(3)

Guideline 6: The program should provide advanced level preparation in an area of specialization.

Under this guideline two areas of specialization are provided as follows: (1) Graduate level preparation in the subject or area of specialization in which the specialist expects to devote a major portion of his time should be required. This means that at the secondary level, one's specialization should be in a teaching field or fields; at the elementary level the specialization should be in academic areas related to the elementary curricula. (2) One might specialize in the area of curriculum-instruction which means that he would be identified as a generalist.

Guideline 7: The program should include an emphasis on research and use of appropriate statistics. (3-9 Semester Hours)

EDU 680	Topics in Administration	(3)
EDU 699	Thesis	(6)
PSY 690	Statistics in Education	(3)

Guideline 8: The program should include a period(s) of internship-field experiences in a supervisory role. (3 Semester Hours)

EDA 693	Supervisory Internship - Level I	(3)

ELEMENTARY EDUCATION

The Elementary Education Masters Degree Program at Fayetteville State University is approved by the North Carolina State Department of Public Instruction for certification. The curriculum leads to graduate certification in Intermediate Education, Middle School Education, or Early Childhood Education. A minimum of thirty (30) credits of course work is required in each certificate area. Competencies must be met in the areas of the learning processes, curriculum, research and content areas of the elementary curriculum. To be certified at the 'G' Level, one must hold the required certificate at the 'A' Level.

Those students desiring the degree but not state certification may waive the use of courses to meet certification requirements thus bypassing the need for an 'A' Level teaching certificate.

In lieu of a minor, candidates are required to take courses in one or more concentrated areas of study such as language arts, social sciences, and other disciplines.

Upon completion of the prescribed course of study, the candidate will be qualified to obtain either graduate level certification in early childhood education, middle school education or for the intermediate grades. Candidates for the elementary education degree may, with additional graduate work available at the Center, become eligible for a reading certificate depending upon previous certification.

Every person admitted to candidacy will be assigned an advisor by the Director of Graduate Studies and must meet with the advisor to plan a program of study. No courses should be taken without the advisor's prior approval. The planning of each student's program will be done cooperatively by the student and the assigned advisor. Demonstrated competencies, professional experience and previous study are considered in planning an individualized program for each candidate.

Candidates for the graduate degree in elementary education must complete a minimum of 30 semester hours of assigned graduate study. Competencies in early childhood education, intermediate education or middle school education must be met in the areas of the learning processes, curriculum, research and content areas of the elementary curriculum.

In lieu of a minor, candidates are required to take courses in one or more concentrated areas of study such as language arts, social sciences, mathematics or other disciplines.

Guideline 1: Understanding Purpose and Role of Elementary School. Depending upon program track, courses may include (6 Semester Hours)

EDU 600	History and Philosophy of Education	(3)
ELE 642	Elementary School Curriculum	(3)
ELE 552	Foundations and Curriculum of Early Childhood Education	(3)
ELE 615	Techniques of Teaching in the Elementary Schools	(3)

Guideline 2: Nature of Learner and Learning Process (3-6 Semester Hours)

ELE 520	Teaching and Evaluating in Early Childhood Education	(3)
EDU 630	Advanced Educational Psychology	(3)
PSY 692	Tests and Measurement	(3)

Guideline 3: Skill in Research (3 Semester Hours)

EDU 680	Introduction to Research	(3)

Required for all program tracks.

Guideline 4: Ability to Work in Content Areas

Courses may be selected from: (6-9 Semester Hours)

ELE 623	Advanced Language Arts in the Elementary Schools	(3)
ELE 533	Foundations of Arithmetic	(3)
ELE 534	Social Studies in Elementary Schools	(3)
ELE 635	Problems in Science Education	(3)

Guideline 5: Concentrated Study in Instructional Areas

SPECIAL EDUCATION

The Master of Arts in Education degree program in special education requires a minimum of thirty-six (36) semester hours credit of course work. Master's students seeking graduate level certification in exceptional children may pursue such certification in two or more of the following categorical areas: learning disabilities, mental retardation, emotional disturbance. Students entering the special education master's program without prior 'A' Level certification in exceptional children or elementary education may have additional requirements (from 3 to 18 credits) to overcome basic certification deficiencies. Students not seeking 'g' Level certification may sign a waiver to that effect and need not follow certification requirements in the program. Non-degree students may also work toward 'G' Level certification in one or more of the categorical areas if they already have a master's degree. All students who have not had a basic introductory course to exceptionalities prior to entering the special education curriculum must fulfill a requirement in this area prior to graduation.

There are both thesis and non-thesis options available in the degree program.

Non-degree certification programs are also available for persons with and without prior certification in the following areas: learning disabilities, mental retardation, emotional disturbance. Such programs are available at the "A" and "G" Levels, as are endorsement add-on programs.

Individual student programs are planned under the guidance of the advisor, giving close attention to the prior qualifications and interests of the students. Advisors must be consulted prior to taking courses.

Degree programs are planned according to the objectives listed below:

1. Prepare students for graduate level certification as teachers of learning disabled, mentally retarded and/or emotionally disturbed students in the public schools or other institutions.

2. Provide continuing staff development for inservice professional school personnel.

3. Provide high-quality graduate course work in support of the school systems of the geographic area immediately around Fayetteville, North Carolina.

4. Prepare teachers in the processes that require identification and solution of educational problems.
5. Prepare students to assume positions of educational leadership in their respective communities.
6. Provide solid foundations in special education course work to enable pursuit of further studies in higher level programs.
7. To determine that prospective teachers are prepared for their roles as educators by requiring that they meet the SDPI competencies for teachers of handicapped children; pass the NTE; be prepared to teach according to the NC Competency Goals and Performance Indicators.

Courses leading to certification are chosen according to guidelines developed by the State Department of Public Instruction, as follows:

Guideline 1: The program should provide for a survey study of all exceptionalities, including implications for education. (3-6 Semester Hours)

SED 530	Introduction to Exceptional Children	(3)
SED 642	Exceptional Child Development	(3)

Guideline 2: The program should provide preparation in an area of concentration in sufficient depth to develop the required competencies. (3-9 Semester Hours)

SED 522	Seminar in Learning Disabilities	(3)
SED 535	Psychology of Mental Retardation	(3)
SED 537	Introduction to the Education of the Emotionally Disturbed Child	(3)

Guideline 3: The program should include work in fields related to the area of concentration. (6-12 Semester Hours)

EDU 680	Introduction to Research	(3)
PSY 690	Statistics in Education	(3)
Other Electives		

Guideline 4: The program should provide for competencies in methodology techniques of instruction, diagnosis, evaluation and prescription, and practicum experiences to ensure effective utilization. (18-21 Semester Hours)

SED 579	Management of Learning Environments	(3)
SED 631	Teaching the Handicapped Child (Academic Methods)	(3)
SED 632	Teaching the Handicapped Child (Developmental Level)	(3)
SED 633	Teaching the Handicapped Adolescent	(3)
SED 638	Teaching the Emotionally Disturbed Child	(3)
SED 640	Master's Internship in Special Education	(3)
SED 647	Educational Evaluation of Handicapped Children	(3)
SED 648	Curriculum Development in Special Education	(3)

The following are program plans for "G" Level Certification in the various areas of exceptionality seeking program:

Certification Areas: Learning Disabilities and Mental Retardation

SED 522	Seminar in Learning Disabilities	(3)
SED 535	Psychology of Mental Retardation	(3)
SED 647	Educational Evaluation of Handicapped Children	(3)
SED 648	Curriculum Development in Social Education	(3)
SED 579	Management of Learning Environments	(3)
SED 642	Exceptional Child Development	(3)
SED 631	Teaching the Handicapped Child (Academic Methods)	(3)
SED 632	Teaching the Handicapped Child (Developmental Methods)	(3)
OR		
SED 633	Teaching the Handicapped Adolescent	(3)
SED 640	Master's Internship in Special Education	(3)
EDU 680	Introduction to Research	(3)
Elective		
Total Semester Hours		36

Certification Areas: Emotional Disturbance and Learning or Mental Retardation

SED 537	Introduction to the Education of the Emotionally Disturbed Children	(3)
SED 522	Seminar in Learning Disabilities	(3)
OR		
SED 535	Psychology of Mental Retardation	(3)
SED 647	Educational Evaluation of Handicapped Children	(3)
SED 648	Curriculum Development in Special Education	(3)
SED 579	Management of Learning Environments	(3)
SED 642	Exceptional Child Development	(3)
SED 631	Teaching the Handicapped Child (Academic Methods)	(3)
SED 638	Teaching the Emotionally Disturbed Child	(3)
SED 640	Master's Internship in Special Education	(6)
EDU 680	Introduction to Research	(3)
Elective		(3)
Total Semester Hours		36

Non-degree certification programs are planned with advisors according to student qualifications and program guidelines.

MASTER OF BUSINESS ADMINISTRATION (MBA)

Major Courses - (Degree Requirements) ..... 36 Credits

1. A minimum of thirty-six semester hours of graduate study will be required in the MBA program with the last 30 hours to be completed at Fayetteville State University. For those students with undergraduate degrees in areas other than business, an additional 23 hours of approved courses must be satisfactorily completed as a "common body of knowledge" embracing the fundamentals of the business curriculum.
2. A maximum of six semester hours of graduate credit may be transferred from another accredited institution. Only that graduate level course work taken within the last five years at other institutions showing grades of "B" or better will be considered for transfer credit. Transfer credit must be approved by the Coordinator of the MBA Program and Director of Graduate Studies. No transfer credit will be given for correspondence courses.
3. Once admitted to the program, students must complete all requirements within seven years.
4. Each graduate student will be assigned a faculty advisor who will assist in the preparation of a plan of study.
5. Students must notify their advisor if they intend not to enroll for any particular semester.

Common Body of Knowledge ..... 23 Credits

ACT 590	Survey of Accounting	(4)
BAD 591	Quantitative Methods	(3)
BAD 596	Legal Environment of Business	(3)
ECO 590	Economics for Managers	(4)
FIN 590	Business Finance	(3)
MGM 590	Management of Organizations	(3)
MKT 590	Marketing Management	(3)

Other Program Requirements .....

A. Admission

1. Admissions Requirements for Proposed Program (Minimum Requirements and General Requirements)

Students may be admitted to graduate study as degree-seeking students or as non-degree students. Requirements for these admission classifications are as follows:

a. General Requirements for Degree-Seeking Applicants

(1) Each applicant must have earned a baccalaureate degree from an accredited college or university.

(2) Applicants must complete appropriate admissions forms furnished by

the Office of Graduate Studies at least four (4) weeks prior to the semester in which they plan to enroll. Late applicants will be processed, but enrollments for the desired semester cannot be guaranteed.

(3) Applicants must arrange for two copies of their transcripts for all college courses and for one copy of their GMAT scores to be sent to the Director of Graduate Studies. A minimum score derived from either of the following formulae is expected:

(200 x Upper Division GPA) = (GMAT score)	=	1000
(200 x Overall GPA) + (GMAT score)	=	950

Admission decisions are based upon several factors and where indicators warrant, individuals who fall below the established criterion in one of the above requirements may be considered for admission.

(4) Applicants whose native language is not English are required to submit acceptable scores on the Test of English as a Foreign Language (TOEFL), in addition to the usual requirements.

(5) Applicants must submit two letters of recommendation from persons qualified to evaluate their potential as graduate students.

(6) Applicants with no prior course work in the areas of business and economics are required to complete courses related to the Common Body of Knowledge.

b. Special Requirements for Non-Degree Students

(1) Applicants who do not wish to earn an MBA degree but wish to enroll for graduate course work in business at Fayetteville State University must complete a special admissions application form and submit supporting transcripts and/or other related documents.

(2) For transient students who are enrolled at another graduate school, a written request from the student's advisor to the Director of Graduate Studies at Fayetteville State University must be made; it must specify the course(s) to be taken.

B. Performance Evaluation

Graduate course performance evaluations shall be reported by means of the following grade system:

A = Excellent
B = Good
C = Low Pass
F = Failure
I = Incomplete
W = Withdrawal

A student receiving a grade of "F" in the professional graduate courses shall be ineligible to continue graduate study. A student may receive a grade of "C" in only two of these courses. Any student who receives a third "C" grade will be ineligible to continue graduate study.

When special circumstances warrant, students who become ineligible for the reasons stipulated in the preceding paragraph may be considered for reinstatement upon written petition by the student to the Director of Graduate Studies. Each such petition must be accompanied by a statement of endorsement or nonendorsement from the Coordinator of the MBA Program. Any reinstatement will be provisional in that an additional grade below "B" will result in the student's ineligibility to continue in the program.

An incomplete grade results from the course instructor's determination that exceptional circumstances warrant the extending of time for completion of course work by the student. The instructor may set the maximum allowable period for completion of course work, but in no cases shall this extension exceed one year. If the time allowed is to be less than one year, this information should be transmitted in writing to the student, with a copy to the Director of Graduate Studies. If within 12 months a grade change request has not been submitted by the instructor, the incomplete automatically becomes an "F".

C. Curriculum

The Master of Business Administration degree program is designed for qualified holders of a bachelor's degree, regardless of previous undergraduate or graduate fields of study. The program's objective is the development of the broadly educated professional manager.

Course requirements for the MBA degree are classified as (A) Professional Competence and Integrative Applications and (b) Electives. Courses in the common body of knowledge must be completed or satisfied before students can enroll in the Professional Competence and Elective areas.

A . Professional Competence and Integrative Applications	27 Semester Hours
B. Electives	9 Semester Hours
Total	36 Semester Hours

PROFESSIONAL COMPETENCE AND INTEGRATIVE APPLICATIONS

In addition to the fundamental courses comprising the common body of knowledge, the following courses develop the necessary depth and breadth of knowledge and provide the analytical skills for practical application.

Core Curriculum

ACT 610	Advanced Management Accounting	3 Hours
ECO 610	Managerial Economics	3 Hours
FIN 610	Financial Management	3 Hours
MGM 610	Administration of the Firm	3 Hours
MGM 612	Quantitative Methods for Business	3 Hours
MGM 620	Management Information System	3 Hours
MGM 630	Business and Society	3 Hours
MGM 640	Business Strategy and Formulation	3 Hours
MKT 610	Marketing Planning and Strategy	3 Hours
		27 Hours

It is expected that all students will complete the above courses unless evidence of a heavy concentration in such courses at the undergraduate or graduate level is presented. Although waiver of courses in this group is rare, requirements may be waived on a course-by-course basis by the Coordinator of the MBA Program and Director of Graduate Studies.

Electives .....

Students desiring to strengthen their knowledge and sharpen their skills in particular areas may take graduate courses from any or all of the five elective areas. These elective areas are Management, Accounting, Marketing, Finance, and Economics. Course descriptions for MBA offerings are listed under course descriptions. Schedule of Courses for students who have completed the common body of knowledge and a Schedule of Courses for students who have not previously enrolled in business subjects are displayed below.

SCHEDULE OF COURSES

FOR STUDENTS WITH AN UNDERGRADUATE DEGREE IN BUSINESS

FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
MGM 610 Adm. of the Firm	3	ACT 610 Adv. Mgmt. Accounting	3
MGM 612 Quant. Meth. for Business	3	FIN 610 Financial Management	3
	6		6

SECOND YEAR

MKT 610 Mktg. Planning & Strat.	3	MGM 620 Mgmt. Infor. Systems	3
ECO 610 Managerial Economics	3	MGM 630 Business & Society	3
	6		6

THIRD YEAR

MGM 640 Bus. Strategy & Formul.	3	Elective	3
Elective	3	Elective	3
	6		6

SCHEDULE OF COURSES

FOR STUDENTS WITH A NON-BUSINESS UNDERGRADUATE DEGREE

(59 Hours)

FIRST YEAR

First Semester	Hrs.	Second Semester	Hrs.
BAD 591 Quant. Methods	3	MGM 590 Mgmt. of Organizations	3
ACT 590 Survey of Accounting	4	ECO 590 Economics for Managers	4
	7		7

SECOND YEAR

MKT 590 Marketing Management	3	BAD 596 Legal Environments	3
FIN 590 Business Finance	3	ACT 610 Advanced Mgmt. Accounting	3
	6		6

THIRD YEAR

ECO 610 Managerial Economics	3	FIN 610 Financial Management	3
MGM 610 Adm. of the Firm	3	MGM 620 Management Infor. Systems	3
	6		6

FOURTH YEAR

First Semester	Hrs.	Second Semester	Hrs.
MKT 610 Mktg. Planning & Strat.	3	MGM 630 Business & Society	3
MGM 612 Quant. Methods for Business	3	Elective	3
	6		6

FIFTH YEAR

MGM 640 Bus. Strategy & Formul.	3	Elective	3
Elective	3		
	6		3

COURSE DESCRIPTIONS

ACCOUNTING (ACT)

ACT 211 (3-3-0) Principles Of Accounting I

A study of basic concepts of accounting; different forms of business; the accounting cycle and steps in the preparation of periodic financial statements including various types of adjusting entries; accounting for current assets and current liabilities including payroll; accounting for plans assets and intangible assets; simple treatment of accounting system. *Prerequisite: MAT 112.*

ACT 212 (3-3-0) Principles Of Accounting II

A continuation of Principles of Accounting I; accounting for partnership and corporate equity, longterm liability, and branches; manufacturing cost systems including job order costing and process costing; standard cost and variance; budget procedures and cost-volume-profit relationship; statement of changes in financial position; financial statement analysis. *Prerequisite: ACT 211.*

ACT 310 (3-3-0) Managerial Accounting

Analysis, interpretation, and use of accounting data by management for planning and controlling business operations and for decision making purposes. *Prerequisite: ACT 212 (Credit not allowed toward accounting major).*

ACT 311 (3-3-0) Intermediate Accounting I

An in-depth study of the broad theoretical foundations of accounting including the assumptions and principles; a review of the accounting cycle, the income statement, and the classified balance sheet; concepts of present and future values; accounting for current assets, current liabilities, fixed assets and intangible assets. *Prerequisite: ACT 212.*

ACT 312 (3-3-0) Intermediate Accounting II

A continuation of Intermediate Accounting I; discussion of corporate equity and its accounting including contraction and expansion of corporate capital; earnings per share; accounting for bonds, leases, and pension and error corrections; financial ratios; inflation accounting. *Prerequisite: ACT 311.*

ACT 320 (3-3-0) Federal And State Income Taxes

A survey of basic tax laws and termination of taxable income with particular attention to individuals; introduction to tax research. *Prerequisite: ACT 212.*

ACT 321 (3-3-0) Cost Accounting

A study of the various cost concepts; accumulation of product costs and joint costs in job order and process cost systems; cost of spoilage standard cost systems and accumulation of variances for managerial control and decision making. *Prerequisite: ACT 311.*

ACT 322 (3-3-0) Advanced Cost Accounting

Continuation of ACT 321; budgets and analysis of cost and other variances for management action; direct costing; cost-volume-profit analysis; the buy or make decision. *Prerequisite: ACT 321.*

ACT 411 (3-3-0) Advanced Accounting

Study of advanced topics including, but not limited to, accounting for consolidated financial statement; income tax allocation; formation, operation, and dissolution of partnerships; installment sales, etc. *Prerequisite: ACT 312.*

ACT 412 (3-3-0) Governmental And Public Accounting

Accounting for not-for-profit entities such as local, state, and federal units of government, and educational institutions; classification and use of funds in such entities including budgeting, purchasing and financial activities; presentation of financial reports by these types of organizations. *Prerequisite: ACT 212.*

ACT 420 (3-3-0) Advanced Federal Income Taxes

Continuation of ACT 320; tax laws applicable to corporation, partnerships, trust, and estates; gift tax; tax planning; substantive research work resulting in formal reports. *Prerequisite: ACT 212, ACT 320.*

ACT 421 (3-3-0) Accounting Systems

Establishment and operation of a complete accounting system; relevance of the accounting system to the total business organization with special emphasis on cost control. *Prerequisite: BAD 200, ACT 311.*

ACT 422 (3-3-0) Auditing

Conceptual and practical aspects of an independent auditor's examination of financial statements; the generally accepted auditing standards; various forms of audit reports; the auditor's liability. *Prerequisite: ACT 312.*

ACT 430 (3-3-0) Accounting Theory

A critical study of the AICPA research bulletins, Accounting Principles Board opinions and FASB statements as they relate to the conceptual foundation of accounting practice; relevant pronouncements from IRS and SEC. *Prerequisite: ACT 312.*

ACT 441 (3-3-0) C.P.A. Review I

A review of recent C.P.A. questions in the area of financial accounting, the accounting theory. *Prerequisite: ACT 430.*

ACT 442 (3-3-0) C.P.A. Review II

A review of recent C.P.A. questions in the area of cost accounting tax and auditing. *Prerequisite: ACT 321, ACT 420, and ACT 422.*

ACT 590 (4-4-0) Survey of Accounting

An accelerated course devoted to a general survey of the principles of accounting with emphasis on the accounting cycle, accounting for different account types and their accounting, financial statement analysis, and the managerial use of accounting. Designed for those who have not taken the usual undergraduate two-sequence principles course.

ACT 610 (3-3-0) Advanced Management Accounting

A managerial approach to the detailed analysis of cost statements, financial statements and budgets designed to facilitate the financial decision-making process. Quantitative techniques commonly used in management accounting are also discussed. *Prerequisite: ACT 590 or Equivalent.*

ACT 620 (3-3-0) Topics in Federal Taxes

A detailed and critical analysis of a selected number of federal income taxation statutes. Newer developments in tax are emphasized. Taxation characteristics of corporations, partnerships, estates and trusts are noted. Court cases are analyzed to provide a deeper understanding of the diverse interpretations of affected statutes.
Prerequisite: 3 Semester Hours of a Tax Course.

ACT 630 (3-3-0) Internal and Operational Auditing

An exploration of economic, efficient, and effective utilization of management resources to optimize results. The development of internal and operational auditing principles and their current status are discussed. *Prerequisite: Consent of Instructor.*

ACT 640 (3-3-0) Professional Accounting Theory

A critical study of the current pronouncements from AICPA, FASB, SEC, and IRS and their impact on the practice of professional accounting. *Prerequisite: Consent of Instructor.*

ACT 650 (3-3-0) Advanced Auditing

An understanding of the financial auditing process and the application of the generally accepted auditing standards. The issue of auditor liability as revealed through court cases and newer statements on auditing standards is discussed. *Prerequisite: Consent of Instructor.*

AEROSPACE STUDIES (ARS)

ARS 111 (1-1-1) The Air Force Today: Air Force Organization and Mission
This is the initial course of study in the four year Air Force ROTC curriculum. This course is designed to familiarize the student with the mission, organization and doctrine of the U.S. Air Force and U.S. Strategic Offensive Forces. Corps Training provides the cadet with experience in executing drill movements, knowledge of customs and courtesies expected of an Air Force member, career opportunities in the Air Force, and the life of an Air Force Officer.

ARS 112 (1-1-1) The Air Force Today: Strategic Defensive Forces
Study of U.S. Strategic Defensive Forces, U.S. General Purpose and Aerospace Support Forces including those of the Army, Navy, and Marines. Corps Training continues to stress emphasis on basic fundamentals needed for the cadet to be capable of assuming and discharging his responsibilities in Air Force ROTC functions and as a professional officer.

ARS 211 (1-1-1) The Development of Air Power: Ascension to Prominence
Study of the history of manned flight up until the time that an independent Air Force was formed. The development of concepts and doctrine governing the employment of air power is emphasized. Corps Training places the student in leadership and teaching roles as a cadet noncommissioned officer and includes further study of the junior officer environment.

ARS 212 (1-1-1) The Development of Air Power: Key to Deterrence
Study of the major events involving air power from the Berlin airlift until the present. Understanding the effects of technology on air power and how the nation's objectives are supported by air power are emphasized. Preparation for Field Training is the objective of this course's Corps Training.

ARS 311 (3-3-1) Air Force Management and Leadership
An integrated management and leadership course emphasizing the individual as a manager in an Air Force milieu. The individual motivational and behavioral processes, leadership, communication and group dynamics are covered to provide a foundation for development of the Junior Officer's professional skills as an Air Force Officer. The basic managerial processes involving decision making, utilization of analytical aids in planning, organizing, communicating and controlling in a changing environment are emphasized as necessary professional concepts.

ARS 312 (3-3-1) Air Force Management and Leadership
An integrated management and leadership course emphasizing the individual as a leader in an Air Force milieu. This course presents multidimensional approaches to the leadership process. Organizational power, politics, managerial strategy and tactics, military justice and administrative law are discussed within the context of the military organization. Actual Air Force cases are used to enhance the learning and communication process.

ARS 411 (3-3-1) National Security Force in Contemporary American Society
This course is composed of academic and military training. The academic portion includes an examination of military professionalism, civil-military interaction, the international and domestic environment affecting U.S. Defense Policy, and a survey of the evaluation of Defense Strategy. Within this structure, continuing attention is given to developing the communicative skills required by Junior Officers. Leadership in military drill and command is practiced.

ARS 412 (3-3-1) National Security Forces in Contemporary American Society
This course studies Air Force Officer classification and assignments, strategy, and the management of conflicts which includes deterrence, arms limitation, limited wars and insurgency, the formulation and implementation of U.S. defense policy, organizational policymaking and case studies in policymaking. Particular attention is given to communicative skills. Continued military leadership opportunities are provided in the laboratory period.

ARS 420 (1-0-1) Flight Instructions
This course consists of 25 hours of flight instruction in light land aircraft of 100-200 horsepower with a separate and independent rudder, elevator, and aileron control system, operable wing flaps, tricycle landing gear approved by FAA for light instruction. *(Course offered only to category IP Air Force ROTC Cadets with 12 months of commissioning.)*

ARS 430 (1-1-0) Ground Flight School

This course is designed to give the student essential ground aeronautical knowledge required for safe operation of light and aircraft of 100-200 horsepower rating. Emphasis is placed upon knowledge of flight principles, flight rules aircraft general and meteorology required through the solo phase of flight.

ANTHROPOLOGY (ANT)

ANT 210 (3-3-0) Introduction to Anthropology

An introduction to the history and methods of anthropology with special emphasis on the evolution of man and his culture, including early fossil men, human evolution, and genetic variations.

ANT 340 (3-3-0) Cultural Anthropology

An introduction to the history and methods of cultural anthropology with special interest in the area of comparative study of social institutions and the nature of cultural differences as they exist in both traditional and modern societies.

ART (ART)

ART 111 (3-0-6) Basic Design

An introduction to basic designs for art production such as ceramics, sculpture weaving, jewelry, block printing, and textile design.

ART 112 (3-0-6) Lettering and Poster Design

Fundamentals of lettering and poster designing emphasized. Displays such as bulletin boards, charts, and advertising lay-out will be included. Designed for the art major or minor.

ART 210 (3-3-0) Survey of Art

A general study of the visual arts in all aspects as used in modern times. Excursions, reports, consultants, and lectures are included in the course.

ART 211 (3-3-0) Introduction to Art History

A study of architecture, sculpture, painting, and the minor arts. A summary background concerning art forms that have been developed in various cultures.

ART 212 (3-0-6) Elementary Freehand Drawing

The study of basic principles concerning freehand drawing, its application with emphasis on self-expression, arrangement, composition, and the handling of a variety of media.

ART 310 (3-0-5) Creative Art Experiences for Young Children

Planning and organizing creative art work for children from kindergarten through the third grade. Students will experience processes through the use of media to acquire an understanding of work for children. Films and filmstrips are used.

ART 311 (3-0-6) Arts and Crafts

Emphasis placed upon activities for Intermediate Education teachers. Simple sculptured forms, construction, printing, carving, weaving, modeling, and lettering will be included in the course. Handling such materials as wood, metal, clay, fabrics, and paper will provide for creative expression.

ART 312 (3-0-6) Drawing and Painting

Practical work in simple composition. Landscape, still life, and portrait drawing and painting are activities included. Special emphasis is placed on line, form, texture, and color in objective and non-objective art.

Prerequisite: Art 212

ART 341 (3-0-5) Leathercraft

The design and production of craft projects fashioned in leather. Leather decoration is included.

ART 342 (3-0-5) Sculpture

The study and production of sculpture using direct techniques in such materials as wood, clay, plexiglass, concrete, and plaster. *Prerequisite: ART 111 or Instructor's permission.*

ART 351 (3-0-6) Graphics

Art of the print will be explored using techniques in Serigraphy, Woodcut, and Wood Engraving with special emphasis on design. A myriad of printing techniques will be combined to explore avenues of creative expression. Commercial experience will be provided. *Prerequisites: ART 111 and ART 112.*

ART 352 (3-0-6) Commercial Art

Commercial Art will include working theories and practical application of design making for the purpose of selling a product or commodity. Skills to be learned include fashion design, cartooning, illustrating, lettering, package design, etc. Photographic and airbrush techniques will also be explored. *Prerequisites: ART 111 and ART 112.*

ART 361 (3-3-0) African Negro Art

An introduction to the regional art of Africa with some attention given to its historical, sociological, and theological background. Photographic slides will be used to study artifacts emanating from Africa. Museum visits are included.

ART 362 (3-3-0) Afro-American Art from 1800

A survey of the works of art by Black American artists. An investigation will be conducted into contemporary Black Art reflecting historical and environmental influences in subject matter used by the artists. Slides, lectures, discussion, museum and gallery visits will be activities of the class.

ART 400 (1-0-1) Senior Art Exhibition

A student is required to give a public art show.

ART 411 (3-2-1) Art in Childhood Education

An investigation into the problems in children's art, the nature of art for children, art for creative expression, and the correlation of art with other subjects. Practical work in the making and teaching of simple projects to be used in the elementary school will be done. Practical classroom teaching experience will be provided.
Prerequisite: ART 310 or ART 311.

ART 412 (3-0-5) Advanced Drawing and Painting

The gaining of additional experience in handling such paint media as pastels, watercolor, and oils. Choice of subject matter is left with the student, but landscapes, portraits, and still-life paintings may be included.
Prerequisite: ART 312.

ART 422 (3-2-1) Art in the Intermediate Grades (4-9)

Emphasis on creative expression through the development of knowledge and skills relating to art in the intermediate grades, and the growth of aesthetic awareness. Students are required to actively participate in activities involving a variety of art media such as drawing, painting, graphics, ceramics, etc., which are essential to the teacher's background in art. Through the use of materials such as crayons, paints, drawing instruments, inks, and clays, the student is expected to develop and refine his/her skills for artistic expression.
Prerequisite: ART 311.

ART 430 (3-0-6) Ceramics

A study and utilization of ceramic processes and techniques: hand forming, molding and wheel throwing, glaze utilization, and kiln operation. *Prerequisite: ART 111.*

ART 431 (4-1-7) Advanced Ceramics

This course focuses on advanced techniques in wheel throwing, clay formulation, glaze mixing and glaze application. The student will learn "how to," and gather experience in loading and firing gas and electric kilns. Special emphasis is placed on personal expression in clay. *Prerequisite: ART 430.*

ART 432 (4-1-7) Basic Photography

Course activities include camera operation, picture taking, darkroom techniques and procedures, and creating photo printing. *(Students must have access to a camera. Enrollment limited: Permission by instructor only.)*

ART 440 (4-2-6) Advanced Photography

This course is designed to give additional and advanced experiences in photographic production through the mastery of photo materials and equipment. Visual literacy and aesthetic manipulation of compositional elements are studied and successful photographic production is sought. *Prerequisite: ART 431. (One to four credit hours with instructor's permission.)*

ART 441 (3-0-5) Weaving

Cloth making with emphasis on design, the course involves use of hand, floor and table looms.

ART 442 (3-3-0) Contemporary Art

The understanding of the visual arts in modern times; their nature and trends; their contributions to individuals and civilation. Lectures, reports, discussion, museum and gallery visits are included in the course.

ART 450, ART 460, ART 470 (4-0-8) Studio (Intermediate and Advanced)

Opportunities for independent work on problems in weaving, graphics, pottery, painting, sculpture, and/or photography. *(One to four credit hours with instructor's permission.)*

ASTRONOMY (AST)

AST 111 (4-3-2) Astronomy I

An introductory course designed to provide experience in the science of astronomy. Its emphasis is on the investigation of nearby space, the sun and planets. Scientific method and techniques applicable to astronomy will be covered. Appropriate laboratory exercise will be keyed to these topics.

AST 112 (4-3-2) Astronomy II

A continuation of AST 111. Distant space will be explored in an attempt to understand the physical nature of stars, galaxies, black holes and quasars. Laboratory experiences will be keyed to these topics.
Prerequisite: AST 111.

BIOCHEMISTRY (BCH)

BCH 411 (3-3-0) Biochemistry

An introductory course that includes a study of carbohydrates, lipids, proteins and nucleic acids. Topics of metabolic pathways in animals, plants and microbia will also be discussed. *Prerequisites: One year of general chemistry, organic chemistry.*

BCH 412 (3-3-0) Biochemistry

Study of the chemistry of nutrition, body fluids, tissues and glands. *Prerequisite: BCH 411.*

BCH 421 (1-0-2) Biochemistry Lab

The application of biochemical principles dealing with major biological substances and metabolism.
Pre or Corequisite: BCH 411.

BIOLOGICAL SCIENCE (BIO)

BIO 110 (3-3-0) General Biology I

Emphasis will be given to the study of concepts of the origin of organisms; cell history, reproduction, structure and function; atomic and molecular structure of the cell; energy relations; structure, composition and systematics of major organic compounds; sexual and asexual reproduction; and genetics. For the non-major. *Corequisite: BIO 120.*

BIO 120 (1-0-2) General Biology I Lab

Qualitative experiments illustrating biological principles and basic laboratory techniques. For the non-major. *Corequisite: BIO 110.*

BIO 130 (3-0-0) General Biology II

Study of taxonomy; evolution of species; ecology; and all systems regulating and supporting the metabolism of organisms. *Corequisite: BIO 140. Prerequisite: BIO 120.*

BIO 140 (1-0-2) General Biology II Lab

Qualitative experiments in ecology, classification, and the metabolism of organisms. For the non-major.
Prerequisite: BIO 120. Corequisite: BIO 130.

BIO 150 (2-2-0) Principles of Biology

The major principles of the nature of organisms with emphasis on molecular, cellular, organismic, developmental and evolutionary consequence. Primarily for science majors. *Corequisite: BIO 160.*

BIO 160 (1-0-2) Principles of Biology Lab

Experiments on the analysis of the chemistry of cellular and related materials. *Corequisite: BIO 150.*

BIO 170 (3-3-0) Cellular Biology

Examination of cell structure in relation to function; includes biochemistry, cytogenetics, physiology, reproduction, and evolution of animal, plant, and bacterial cells. *Prerequisite: BIO 150.*

BIO 320 (1-2-0) Biology Seminar

Discussion of biological concepts, topics and special problems. Consent of the instructor.

BIO 330 (2-2-0) Microbiology and Immunology

An introduction to the structure, physiology, ecology and immunilogical host relationships of procaryotes and other microorganisms. *Prerequisites: BIO 170; one (1) year of Chemistry. Corequisite: BIO 340.*

BIO 340 (1-0-2) Microbiology and Immunology Lab

Application of microbiological and immunological techniques. *Corequisite: BOT 330.*

BIO 350 (2-2-0) Ecology/Evolution

Study of mechanisms governing the process of organic evolution. Evolutionary relationships among living and extinct organisms. Study of the interactions between organisms and their environment. *Prerequisite: BIO 170.*

BIO 360 (1-0-2) Ecology/Evolution Lab

A study of the concepts of evolution and ecology on an observation/experimental basis. *Prerequisite: BIO 170.*

BIO 430 (3-3-0) Special Problems

Guided scientific research, field studies or other special projects. *Prerequisite: Consent of the instructor.*

BIO 490 (3-3-0) Radiation Biology

An introductory course for science majors on the nature and use of radioisotopes. *Prerequisites: BIO 150, MAT 241, CHE 210, and one (1) year of physics.*

BIO 495 (1-0-2) Radiation Biology Lab

Basic experiements with radioisotopes utilizing the latest instrumentation. *Corequisite: BIO 490.*

BOTANY (BOT)

BOT 210 (2-2-0) General Botany

An introduction to the morphology, anatomy, physiology, reproduction, taxonomy, and ecology of higher plants, fungi, and algae. *Prerequisite: BIO 170. Corequisite: BOT 220.*

BOT 220 (1-0-2) General Botany Lab

Observation and interpretation of morphology and structure with respect to the function, identification, and adaption of higher plants, fungi, and algae. *Corequisite: BOT 210.*

BUSINESS ADMINISTRATION (BAD)

BAD 200 (3-3-0) Introduction to Data Processing

An introduction to business data processing, programming, systems analysis, techniques and goals for data processing, and information retrieval. A contained theoretical and practical approach to data processing.
Prerequisite: MAT 112.

BAD 210 (3-3-0) Mathematics for Business

A study of advanced problems relating to mathematics and quantitative analysis techniques with attention to compound interest, annuities, discounting notes, inventory, depreciation, payrolls, stocks and bonds, ration analysis, graphs, logarithms, and special topics such as present worth, economics order quantity, and derivatives. *Prerequisites: MAT 112, MAT 131.*

BAD 311 (3-3-0) Statistics for Business and Economics I

Elementary statistics as a tool for business decision making, ratio analysis, graphic presentations, theory of probability, discrete and continuous distributions, interval estimations, regression and correlation analysis, and regression analysis, analysis of variance and selected non-parametric statistical techniques. *Prerequisite: MAT 112 or MAT 142.*

BAD 312 (3-3-0) Statistics for Business and Economics II

Advanced study for extending sampling distributions, sampling methods, control chart, index numbers, extended testing hypothesis, multiple correlation and regression analysis, analysis of variance and selected non-parametric statistical techniques. *Prerequisite: BAD 311.*

BAD 320 (3-3-0) Quality Control and Industrial Statistics

Control charts acceptance sampling, use of military standards sampling plans and analysis of industrial processes and experimentation. *Prerequisite: BAD 312 or equivalent.*

BAD 330 (3-3-0) Industrial Relations and Labor Marketing

A study of labor problems from point of view of union and management with emphasis on the social and economic aspects of labor relations. Consideration is give to labor organizations, collective bargaining, and labor legislation. *Prerequisite: ECO 212.*

BAD 351 (3-3-0) Survey of the Black Man's Role in the Business World

A survey of the development of the black man's participation in economic endeavors from 1900 to contemporary times. *Prerequisite: ECO 212.*

BAD 352 (3-3-0) The Black Man in Contemporary Capitalistic Society

A study of the black man's contemporary problems in American capitalism with innovative techniques and procedures for greater unfoldment of his objectives, focusing on such problems as finance, business ownership, internal operations, salesmanship, banking, and managerial techniques. *Prerequisite: ECO 212.*

BAD 411 (3-3-0) Business Law I

A general survey of the origin, development, and classification of law with a more detailed consideration of those legal subjects considered important in the organization and operation of businesses, also considering the role and importance of law in a modern society.

BAD 412 (3-3-0) Business Law II

The application of legal principles to the organization and operation of businesses. Reviewing legal principles and subjects, with their proper employment in the business world studied by setting up and operating hypothetical businesses and by studying and analyzing local businesses. *Prerequisite: BAD 411.*

BAD 420 (3-3-0) Survey of Sampling Techniques

An expository treatment of the basic ideas of scientific sampling. Types of sampling useful in accounting, market research, governmental studies, industry, and commerce are considered. *Prerequisite: BAD 312 or equivalent.*

BAD 430 (3-0-15) Business Internship

Provisions for experience in approved business positins wherein students participate in a seminar in which they formally evaluate their work experience. Program must be arranged in advance and approved by the Department Chairman; course is not open to the student with credit from any similar program in the institution.
Prerequisite: Senior standing.

BAD 490 (3-3-0) Seminar in Business Administration

This course provides the student with an opportunity to undertake a program of independent study and reading delineated and supervised by a faculty member. The seminar may be one of the various areas of business such as accounting, management, marketing, and finance. *Prerequisite: Senior standing and consent of Department Head.*

BAD 591 (3-3-0) Quantitative Methods

Application of quantitative methods to managerial decision making and to production and operation management.

BAD 596 (3-3-0) Legal Environment of Business

An introduction to the legal system with special emphasis upon its relationship to business. Topics covered include an introduction to the judicial system, torts, and contracts.

BUSINESS EDUCATION AND OFFICE ADMINISTRATION (BED)

BED 110 (2-0-2) Keyboarding

This course is designed to develop keyboarding skills needed for inputting and retrieving data. Students will learn the keyboard and build minimum speed levels. It is designed for non-business majors who need touch keyboarding skills for microcomputer and terminal usage.

BED 115 (2-1-2) Keyboarding Applications

This course is a continuation of Keyboarding which emphasizes the practical use of a microcomputer and word processor in the office and in the home. Practice on the microcomputer and word processing equipment will enable the student to develop speed and accuracy in its operation. Computer applications will include production of manuscripts, tabulated reports, business letters, and business forms. *Prerequisite: BED 110 or placement test.*

BED 210 (3-3-0) Introduction to Business

A survey of business principles and procedures with an overview of the entire field of business, including the area of economics, management, accounting, marketing, transportation, finance, business law, and business education.

BED 220 (3-1-2) Business Machines

Familiarization with the development of skill in the operation and use of the various office machines and equipment. Student is acquainted with the latest machinery and developments in the field of business. *Prerequisites: BED 112, MAT 112.*

BED 221 (3-2-3) Elementary Shorthand

A study of the basic principles of Gregg Shorthand, Series 90, with the development of the ability to apply these principles to the reading and writing of shorthand. *Prerequisite: BED 112 or placement test.*

BED 222 (3-2-3) Intermediate Shorthand

A continuation of BED 221 with attention given to basic elements of typewritten transcription. *Prerequisite: BED 221 or placement test.*

BED 231 (3-3-2) Machine Shorthand

A beginning course in the theory and practice of writing and reading machine shorthand.

Students will use stenograph machines to develop both shorthand speed and the art of transcription.

BED 250 (3-0-3) Word/Information Processing
This course is designed to provide for development of production skills in word/information processing, and to provide for a high level of decision-making skills while operating automatic typewriters and visual display word processing equipment. Emphasis will be placed on the development of advanced-level capabilities on word processing equipment. *Prerequisite: BED 115 or placement test.*

BED 310 (3-3-0) Business Communications
Business Communications requires the application of correct English, organized thinking and psychology needed to solve communication problems encountered in business. Attention is given to the writing of business letters and reports. *Prerequisites: BED 112, ENG 120.*

BED 311 (3-2-3) Advanced Shorthand and Transcription
An emphasis on the development of high-level skill and proficiency in taking dictation and transcribing at advanced rates of speed. Continued practice is given to the production of the mailable typewritten transcript.
Prerequisite: BED 222.

BED 312 (3-1-3) Advanced Shorthand and Transcription II
Continued emphasis is placed on the development of high-level skill and proficiency in taking dictation and transcribing at advanced rates of speed. Continued practice is given to the production of the mailable transcript and to office-style dictation. *Prerequisite: BED 311.*

BED 320 (3-2-1) Word Processing Concepts
The course will include discussions of person/machine interfaces and appraisals of current and future technological trends and their impacts on traditional word processing and on the office environment. Emphasis will be given to information processing considerations at the basic level.

BED 410 (3-3-0) Principles of Business Education
A study of the philosophy and functions of business education and an examination of the problems and issues relating to this area. *Prerequisite: Senior standing.*

BED 411 (3-3-2) Administrative Secretarial Procedures
A presentation of practical problems encountered by the secretarial worker. Greater competency in office skills and procedures is developed with emphasis on applied typewriting, duplicating, filing, dictation and transcribing communication techniques, and administrative support services. *Prerequisites: BED 211, 220, 310.*

BED 412 (3-0-15) Secretarial Internship
An on-the-job training which provides for practical experience under actual office conditions. *Prerequisite: Senior standing.*

BED 420 (3-3-0) Office Management
A study of principles of management as applied to the business office, including organization planning and control of physical factors, methods, and personnel practices. *Prerequisite: Senior standing.*

BED 440 (3-3-0) History and Philosophy of Vocational Education
This course is an inquiry into the history, development and causative factors of vocational education as a background for an analysis of the present status in American Education. There will be a thorough study of the philosophic basis for the academic-vocational program. The 1963 Vocational Education Act and its amendments, as well as other federal vocational legislation, will be reviewed. The emergence of the concept of Career Education and its future will be discussed. *Prerequisite: Senior standing or consent of Department Head.*

BED 450 (3-3-0) Administration and Supervision of Vocational Education
This course deals with the present and future problems of administering and supervising vocational education programs at the secondary and post-secondary school levels. Also, the course gives consideration to problems which impinge upon the administrator, supervisor, and classroom teacher on the state, city and local school levels with attention given to standards of achievement, budgeting, guidance, public relations, and classroom visitation. *Prerequisite: Senior standing and consent of Department Head.*

BED 460 (3-3-0) Coordination Techniques in Vocational Education

This course is designed to provide the learner with an indepth exploration of the total role of the teacher-coordinator of a cooperative vocational education program, including all functions, conditions, procedures and processes required in implementing, conducting, supervising, and evaluating a cooperative vocational education program. *Prerequisite: Senior standing and consent of Department Head.*

BED 470 (3-3-0) Advising Vocational Student Organizations

This course presents philosophies, goals, and procedures for organizing and advising vocational student organizations. Their relationships to their parent vocational programs are examined.

BED 480 (3-3-0) Seminar in Office Administration

This course provides for treatment of problems, practices, and policies involved in office administration. Attention will be given to methods of establishing, analyzing, standardizing, and controlling administrative systems and procedures in the office. *Prerequisites: Senior standing and consent of Department Chairman.*

BED 490 (3-3-0) Seminar in Business Education

This course provides for treatment of problem areas of major concern in business education. Problem areas of local, state, and national interest will be included as seminar topics. *Prerequisite: Senior standing and consent of Department Chairman.*

BED 492 (1-4) Directed Work Experience

This is a supervised work experience for business education and marketing and distributive education majors seeking vocational teacher certification. Students work in a business setting in which they receive the experiences of a regular business. Individually designed for part-time and/or summer experience. *Prerequisite: One to four hours credit with Department Chairman's approval.*

CHEMISTRY (CHE)

CHE 100 (2-1-2) Chemical Techniques

A study of direct and indirect measurements, the use and care of scientific apparatus, and data handling by interpolation, approximation, and calculation. *Prerequisites: MAT 123 (or 131), CHE 101 (or 120).*

CHE 101 (3-3-0) Introduction to Chemical Principles

An introduction to the atom, bonding, the three states of matter, and stoichiometry for students desiring one year of training in chemistry. NOTE: This course does not satisfy any prerequisites for 200 level courses.
Prerequisites: MAT 123, CHE 150.

CHE 102 (3-3-0) Introduction to Organic and Biochemistry

An introduction to organic and biochemistry/application of chemical principles by students desiring one year of training in chemistry. NOTE: This course does not satisfy prerequisites for 200 level or above.
Prerequisites: CHE 150, MAT 123.

CHE 110 (1-0-3) Bio-organic Techniques

A laboratory investigation into the concepts of organic and biochemistry. *Prerequisites: MAT 123, CHE 101, 150. Pre-corequisite: CHE 102.*

CHE 120 (3-3-0) The Atom and Bonding

A non-mathematical study of atomic structure, elementary nuclear theory, the periodic table, bonding, valence, hybridization, and molecular and crystal structure. *Prerequisites: MAT 123 (or 131), CHE 100 is recommended.*

CHE 130 (3-3-0) Stoichiometry

The study of stoichiometry, gas laws, theory chemistry, and balancing chemical equations. *Prerequisites: CHE 120, MAT 123. Pre-corequisites: CHE 150, MAT 124.*

CHE 140 (3-3-0) General Chemistry I

An investigation of atomic theory, bonding, molecular structure and geometry, stoichiometry,

thermochemistry and the three states of matter. NOTE: This course is reached by satisfactory completion of a placement examination.
Pre-corequisites: MAT 123, CHE 150, permission of Department Chairman.

CHE 150 (1-0-3) General Chemistry I Lab

A laboratory examination of mole-mass relationships, gas laws, and measurement of thermochemical phenomena. *Prerequisites: CHE 120, MAT 123, CHE 120 waived for those enrolled in CHE 101 or 140.*

CHE 160 (3-3-0) General Chemistry II

An investigation of kinetics, acid-base equibria, redox, and qualitative and elementary quantitative analysis. *Prerequisites: CHE 170 (or 140), CHE 150 with a minimum 'C' in each course. Pre-corequisites: CHE 170, MAT 12?.*

CHE 170 (1-0-3) General Chemistry II Lab

A laboratory examination of reaction rates, acid-base and redox titrations, and qualities and elementary qualitative analysis. *Pre-corequisite: CHE 160.*

CHE 210 (5-3-6) Analytical Chemistry

An investigation of traditional methods of wet-analytical chemistry, consisting of gravimetric, volumetric, and chromatographic analysis, pH, pK, and application of the Nernst equation. *Prerequisites: CHE 160, 170, with a minimum of 'C' in each course.*

CHE 221 (3-3-0) Organic Chemistry I

A study of the nomenclature, syntheses, reactions, and reaction mechanisms, and spectros of hydrocarbons, alkylhalides and alcohol. *Prerequisites: CHE 160, 170 or permission of instructor and department head. Pre-corequisite: CHE 231.*

CHE 222 (3-3-0) Organic Chemistry II

An investigation of the nomenclature, synthesis reactions, reaction mechanisms, and methods for analysis of functionally substituted organic compounds. *Prerequisites: CHE 221, 231. ('C' required) Pre-corequisite: CHE 232.*

CHE 231 (1-0-3) Organic Chemistry I Laboratory

A basic introduction to techniques of isolation, purification, characterization, and synthesize methods in organic chemistry. *Prerequisites: CHE 160, 170 or permission of instructor and department head. Pre-corequisite: CHE 222.*

CHE 232 (2-0-3) Organic Chemistry II Laboratory

An extension of the topics in CHE 231, with particular emphasis on syntheses and technical writing. *Prerequisites: CHE 221, 231. Pre-corequisite: CHE 222.*

CHE 321 (3-3-0) Thermodynamics and Equilibrium

A calculus-based study of the three laws of thermodynamics with derivation of equilibrium constants from chemical potential. *Prerequisites: CHE 210, MAT 241, 242, PHY 111, 112. Pre-corequisite: CHE 331.*

CHE 322 (3-3-0) Quantum Mechanics and Spectroscopy

An investigation of the wave-particle dilema as resolved by the Bohr atom, Diarc wave mechanics, and eigen-values of the Schroedinger equation, with application to atomic and molecular vibrational, rotational, and electronic spectra. *Prerequisites: CHE 210, MAT 241, PHY 111-112. Pre-corequisite: CHE 342.*

CHE 324 (3-3-0) Kinetics

A study of electrolytes and nonelectrolyte in solution, the phase rule, Raoults' Law, Debye-Huckel Theory, Kinetics, Mechanisms and the Collision Theory. *Prerequisites: CHE 210, MAT 241, PHY 111-112. Pre-corequisite: CHE 342.*

CHE 331 (2-1-2) Thermodynamics and Equilibrium Lab

A laboratory investigation of the determination of enthalpies of reaction, equilibrium constants,

molecular weights and electromotive force. *Prerequisites: CHE 210, MAT 241, PHY 111-112. Pre-corequisite: CHE 321.*

CHE 342 (1-0-3) Physical Chemistry Lab

The laboratory investigation of reaction rates, solution phenomena, and quantitative interpretation of date derived from spectroscopy with respect to quantum mechanical consideration. *Prerequisites: CHE 210, MAT 241, PHY 111-112. Pre-corequisite: CHE 322 or CHE 324.*

CHE 390 (1-0-3) Research Seminar

A detailed examination of the chemical literature in preparation for commencement of a formal research project (CHE 491, 492) culminating in a written or oral report. *Prerequisite: Adoption of research project, research advisor, and a chemistry GPA or 2.0 or permission of department.*

CHE 410 (1-0-3) Seminar in Chemical Literature

A detailed examination of the chemical literature on a relatively narrow topic for presentation of oral and written reports. *Prerequisites: CHE 210, 222 and 232. Pre-corequisites: CHE 321, 322, or 324.*

CHE 420 (4-2-4) Instrumental Methods of Analysis

The application of electrochemical, spectroscopic, and chromatographic methods to qualitative and quantitative analysis. *Prerequisites: CHE 210 (minimum 'C' grade) CHE 321, CHE 331.*

CHE 421 (3-3-0) Inorganic Chemistry

An advanced study of descriptive and synthese, inorganic chemistry, structure, and bonding. *Prerequisites: CHE 222, 232, 321, 331 with CHE 322 encouraged.*

CHE 430 (3-3-0) Special Topics in Chemistry

An advanced, structured investigation in one of the specialty areas of chemistry. *Prerequisites: Permission of instructor and department.*

CHE 431 (3-1-4) Qualitative Organic Analysis

An advanced introduction to the principles of classification and identification of organic compounds by traditional and modern techniques. *Prerequisites: CHE 222, 232.*

CHE 491 (2-0-6) Research in Chemistry

Active, original research under one or more of the chemistry faculty. *Prerequisites: CHE 390.*

CHE 492 (4-0-12) Research and Thesis

A continuation of research culminating in a written thesis with an oral presentation. *Prerequisites: CHE 491.*

COMMUNICATION (COM)

COM 300 (3-3-0) The Dynamics of Communication

The study of communication as it expedites learning, causes social impact and functions as an instrument of change in self; also components by which communications are related to the masses and fit into social and political systems. Emphasis upon inter-personal, small group, public and professional communication.

COM 310 (3-3-0) Broadcast Fundamentals

Emphasis on the general view of broadcasting in radio and television. Experience in audio and visual expression through the media. Exposure to equipment and techniques of production.

COM 320 (3-3-0) Modern Audio Production and Direction

Planning and production of audio in the mass media. Innovative uses of sound in radio, television, and film. Planning, scripting, rehearsing, and directing under professional conditions.

COM 330 (3-3-0) News and Public Affairs

Principles, techniques, and forms of broadcast journalism. Practical work in news preparation, editing and delivery for radio and television. Planning and production of public affairs programs.

COM 360 (3-3-0) Television Production

Elements of production in television including cameras, audio, staging, lighting, graphics, recording, special effects. Leads to experience in creating, producing and directing full-length programs.

COM 370 (1-0-3) Communication Practicum

This course is devised to enable students to make practical application to an area (radio) under study. This does not eliminate text-readings, but the approach to the course is more practical than theoretical, and readings are assigned to make the practical work more efficient and clear.

COMPUTER SCIENCE (CSC)

CSC 100 (3-3-0) Introduction to Computer Science

Designed to introduce starters and non-technical personnel to the computer, steps in computer applications, procedures and elementary programming. *Prerequisites: MAT 112 or consent of area.*

CSC 101 (3-3-0) Computer Programming Language (FORTRAN)

Introduction to FORTRAN IV: A problem-oriented computer language for use in scientific and mathematics problem solving by use of digital computers. *Prerequisites: MAT 123 or consent of area.*

CSC 102 (3-3-0) Computer Programming Language (COBOL)

Introduction to COBOL: A problem-oriented computer language for use in business problem solving by use of digital computers. *Prerequisites: MAT 112 or consent of area.*

CSC 200 (3-3-0) Computer Operation

Hands-on experience in handling and operating computer hardware.

CSC 201 (3-3-0) Basic Computer Organization and Assembly Language

Logic basis of computer structure, machine representation of numbers and characters, flow of control, instruction codes (symbolic) arithmetic and logical operation, indexing. I/O subroutine linkages, macros, number systems as related to computer operation. Operating systems for large machines. *Prerequisites: CSC 101 or CSC 102 or CSC 210.*

CSC 202 (3-3-0) Systems Analysis and Techniques

Various methods of analyzing and defining a problem or situation in terms of available input information and desired output in order to prescribe suitable or appropriate algorithms and procedure to achieve an acceptable solution or outcome. *Prerequisites: CSC 101 or CSC 102 or CSC 210.*

CSC 210 (3-3-0) Computer Programming Language (Pascal)

Introduction to Pascal: An introduction to methodical programming, to include programming principles and good style suitable for scientific and mathematical problem-solving by use of digital computers. *Prerequisites: CSC 100 or CSC 101 or consent of instructor.*

CSC 302 (3-3-0) Computer Organization and Logic

Introduction to Boolean algebra, symbolic logic as used in computer organization, switching circuits, arithmetic circuits, application of logic to problem-solving. *Prerequisites: Some programming languages, CSC 201.*

CSC 310 (3-3-0) Introduction to Numerical Methods

Computer techniques used to translate certain known computational algorithms into computer programs; practice in use of routine already available in the University program library. Areas of interest; linear system of equations, curve fitting and interpolation algorithms for differentiation, solution of non-linear equations and solution of ordinary differential equations. Elementary discussion of errors. *Prerequisites: CSC 102.*

CSC 400 (3-3-0) Business Computer Systems and Applications

Current methods of processing business data to produce various accounting statements and managerial reports. The orderly study of detailed procedures for collecting, organizing and evaluating information within an organization with the objective of improving the operations of

that organization with the objectives of improving the operations of that organization and designing a business system from the standpoint of management, system analyst and programmer. Course requirements include the design and presentation of a business system as a semester project. *Prerequisites: CSC 102.*

CSC 401 (3-3-0) System Design and Selection

Study of hardware functions and capabilities, system efficiency, modes of operation. Hardware from various suppliers will be studied. Techniques of evaluation of system hardware to perform required function. *Prerequisites: Consent of the instructor.*

CSC 402 (3-3-0) Information Storage and Retrieval

Practical aspects of information system design, file structure and organization, sorting and searching techniques. A case study will be use to illustrate the creation and maintenance of management information systems. Emphasis is equally put on both information storage and information retrieval. *Prerequisites: CSC 101 or CSC 210.*

CSC 410 (3-3-0) Introduction to Compiler Design Theory

Introduction to the basic mathematical theory underlying the design of compilers and other language processors, and implementation of the theory in practical design situations. *Prerequisites: CSC 101 or CSC 210.*

CSC 420 (3-3-0) Systems Programming

Introduction to procedures for the design and implementation of some system programs, such as assembler, macro processor and loader. *Prerequisites: CSC 201.*

CSC 501 (3-3-0) Special Topics.in Computer Science

A course designed to serve need not covered by existing courses. It will consist of one or more of the following types of study: readings in the literature of computer science, introductory research projects, major computer programming projects, seminars or new course development. Work may be done in any area of computer science such as software, hardware utilization, programming language, numerical methods, syntatic description, symbolic functions and manipulations. *Prerequisites: CSC 101 or consent of the instructor.*

CSC 502 (3-3-0) Metaprograms

A course designed to provide a thorough understanding of the techniques involved in compiling a program. Detailed study of formal programming languages, syntactic descriptions, symbolic functions, and manipulations. *Prerequisites: CSC 201 or CSC 302.*

COOPERATIVE EDUCATION (COP)

COP 431 (3-3-0) Cooperative Education I

Students alternate semesters of full-time work. Students spend the first two years on campus (including summers) then based on the nature of work assignments, students begin their first work period at the end of the sophomore year, receiving three hours of academic credit for each work period.

COP 432 (3-3-0) Cooperative Education II

This is a continuation of the cooperative work experience program. *Prerequisites: COP 431.*

CRIMINAL JUSTICE (CJC)

CJC 200 (3-3-0) Introduction to the Criminal Justice System

A survey course in the processes and agencies in the administration of criminal justice — the legislature, the police, the prosecutor, public defender, the courts and corrections.

CJC 201 (3-3-0) Introduction to Law Enforcement (PSC 101)

The history and philosophy of functions of law enforcement. Emphasis is given to the interdependence of law enforcement with other components of the criminal justice system; functions and contemporary issues of law enforcement and the appropriate functions of law enforcement personnel in modern society.

CJC 202 (3-3-0) Criminal Law or Legal Aspects of Law Enforcement and Corrections
Criminal procedures-procedural aspects of the legal process; analysis of criminal constitutional limitations from arrest to release in the administration of criminal justice; legal restraints on police; relations between state and federal criminal authority and jurisdictional problem.

CJC 210 (3-3-0) Criminal Investigation (PSC 210)
An introduction to fundamentals of investigation; crime scene search; recording, collection and preservation of evidence; sources of information; interview and interrogation, case preparation and court presentation, and the investigation of specific offenses such as arson, narcotics, sex, larceny, burglary, robbery and homicide. Students who have completed PSC 210 may not schedule this course.

CJC 220 (3-3-0) Introduction to Corrections
General overview of the development of corrections with special focus on the U.S. system; recent innovations; future correctional systems structure and programs.

CJC 221 (3-3-0) Introduction to Criminalistics
A general survey of the methods and techniques used in modern scientific investigation of crime, with emphasis upon the practical use of these methods by students. Laboratory techniques will be demonstrated and the student will participate in actual use of the scientific equipment. Students who have completed PSC 221 may not schedule this course.

CJC 230 (3-3-0) Criminal Evidence
A study of the kinds and degrees of evidence and the rules governing the admissibility of evidence in court. Students who have completed PSC 230 may not schedule this course.

CJC 262 (3-3-0) Police-Community Relations
An introduction to the fundamentals of development and use of community relations programs. The student will be acquainted with the strains and problems arising from conflicting demands within the social structure of society. This course will include development, use of community relations among the police, corrections programs and the criminal justice system as a whole. The student will be able to construct, test and implement the basic concepts of community relations into any area of the criminal justice system within any type of community.

CJC 300 (3-3-0) Criminal Law (PSC 111)
A course designed to present a basic concept of criminal law and create an appreciation of the rules under which one lives in our system of government. Students who have completed PSC 111 may not schedule this course.

CJC 310 (3-3-0) Community Based Corrections
(Revised Title of Probation and Parole)
A general survey of methods and techniques in maintaining the offender in the community. Includes discussions of community based corretional facilities, probation and parole and the future of these methods.

CJC 311 (3-3-0) Criminal Justice Management and Organization
A course designed to focus on the organizational and the human process of management. The key to organizational effectiveness lies within the human process of management and component problem solving. This course will focus its direction on the local, state and federal criminal justice system, as well as analyze contemporary issues in criminal justice management and organization, which will allow the student an opportunity to explore the dichotomy between policy and administration.

CJC 320 (3-3-0) Criminal Court Procedures — American Court System
General overview of the development of the criminal court system with special focus on the roles of the judge, prosecutor, jury and defense attorney, trial process; pre-sentencing procedures and contemporary issues of the criminal court.

CJC 351 (3-3-0) Recent Special Problems in Criminology
Course focuses on contemporary problems and issues such as prison overcrowding, computer

crime, status offenders, insanity defense, alcohol and crime, etc. Issues are discussed from an interdisciplinary perspective.

CJC 361 (3-3-0) Comparative Criminal Justice

A study of the criminal justice systems of various Eastern and Western societies. Focuses on the function of the police, the courts and the correctional system within each society with the goal of improving our understanding of these functions in our own society.

CJC 411 (3-3-0) Criminal Justice Research

An introduction to criminal justice research; survey and uses of available sources of data, consideration of research designs and methods of collecting and analyzing data. *Prerequisites: SOC 331.*

CJC 430 (3-3-0) Internship in the Criminal Justice System

The course is designed to provide the student with an opportunity to synthesize theory and practice. Students will be assigned to various criminal justice agencies and will work under joint supervision of agency heads and the course instructor.

CJC 470 (3-3-0) Crime Prevention

A survey of contemporary approaches to crime prevention from the perspectives of environmental design and psychobiology. Examines the inreaction of man and his environment with respect to crime causation and the rehabilitation with the goal of seeking methods of reducing criminal behavior.

ECONOMICS (ECO)

ECO 200 (3-3-0) Basic Economics

A survey course in economics designed for non-business and non-economics majors. Coverage includes a discussion of macro-economics and micro-economics principles with application to contemporary domestic and international economic problems.

ECO 211 (3-3-0) Principles of Economics: Macro-economics

An examination of the basic concepts and principles with stress on macro-economics and the application of theory to current domestic and international economic problems.

ECO 212 (3-3-0) Principles of Economics: Micro-economics

An introduction to the subject of economics with stress on micro-economics and its relevance to policy issues of the domestic and global economy. Student may begin sequence with either ECO 211 or 212.

ECO 231 (3-3-0) Quantitative Methods I

Survey of differential and integral calculus with applications to business and economics. *Prerequisites: MAT 123.*

ECO 232 (3-3-0) Quantitative Methods II

A survey of matrix algebra, mathematical programming, regression, and correlation analysis with applications to business and economics. *Prerequisite or co-requisite: ECO 231.*

ECO 240 (3-3-0) Economics of the Black Community

A survey course in economics of the ghetto with special emphasis on the social and political aspect of resourse allocation, distribution of income and wealth, and related topics as they pertain to blacks in the American economy. *Prerequisites: ECO 211 or 212.*

ECO 300 (3-3-0) Consumer Economics

An examination of the household sector of the American economy emphasizing issues and problems confronting students, minorities, the elderly, the working poor and their families as consumers; problems of the consumer in the market; aids toward intelligent buying of commodities and services; political, social, economic, and legal implications of consumer decisions.

ECO 310 (3-3-0) Managerial Economics
An in-depth study of managerial decision-making process and its tools; also, forecasting demand, cost estimates, pricing, linear programming, and capital budgeting. *Prerequisites: ECO 211, 212.*

ECO 311 (3-3-0) Intermediate Economic Theory: Production and Distribution
An in-depth study of the working of price mechanism within the framework of a free enterprise economy. A detailed discussion of the behavior of the firm, theory of distribution and welfare economics with application to international trade and personal income distribution. *Prerequisites: ECO 212.*

ECO 312 (3-3-0) Intermediate Economic Theory: Aggregate Economics and Policy
An in-depth study of theories of national income determination, employment, interest, inflation, balance of payments, exchange rate and fluctuations in aggregrate economic activity. *Prerequisites: ECO 211.*

ECO 320 (3-3-0) Money, Banking, and Financial Institutions
Analysis of monetary mechanisms in the United States: historical development of money and banking, flow of funds among financial institutions and the role of money in domestic and global economy. *Prerequisites: ECO 211, 212.*

ECO 330 (3-3-0) Public Finance
An analysis of the effects of public spending, borrowing and collection of revenues on economic system and evaluation of economic role of government with special emphasis on developing countries. *Prerequisites: ECO 211, 212.*

ECO 340 (3-3-0) Economic Development
An examination of the leading issues and theories of economic development and their relevance to developing countries. *Prerequisites: ECO 211, 212.*

ECO 341 (3-3-0) Regional Economics
Comparative study of various regional models explaining regional economic growth problems and effects of different regional policies. Ingredients of regional planning and forecasting are also discussed. Comparative regional economics with emphasis on the industrialized economies. *Prerequisites: ECO 211, 212.*

ECO 343 (3-3-0) Urban Economics
A detailed discussion of leading theories explaining urban growth, urban structure, and urban problems. Factors affecting location decision of households, firms, and government are stressed. *Prerequisites: ECO 311, 312.*

ECO 350 (3-3-0) International Trade and Policy
A survey of the theory of international trade, balance of payment, exchange rate determination and international capital flows, multi-national enterprises and the transfer of technology; problems and policies and related issues of international monetary economics. *Prerequisites: ECO 211, 212.*

ECO 360 (3-3-0) Labor Economics
The study of labor as a factor of production in a free market economy with respect to its productivity, creation of economic value, contribution to national income; the determination of the price of labor and the labor market of manpower resources, supply and demand. The course further studies the institutional aspects of the labor movement, unionism, philosophy of labor, and collective bargaining contracts and their effects on U.S. competitiveness in world trade. *Prerequisites: ECO 211, 212.*

ECO 410 (3-3-0) Economic History
An examination of the key factors and problems of economic development in the American economy since 1800. *Prerequisites: ECO 311, 312.*

ECO 411 (3-3-0) History of Economic Thought
A chronological study of the evolution of economic ideas from Scholastics to Keynes. *Prerequisites: ECO 211, 212.*

ECO 412 (3-3-0) Econometrics

Introduction to econometric methods and their application to economic models. Coverage includes classical statistics: test of hypothesis, correlation, simple and multiple regression, autocorrelation, heteroskedasticity, time series analysis, forecasting and comparison of classical and Kayesian econometrics. *Prerequisites: BAD 311,ECO 231 or permission of the instructor.*

ECO 420 (3-3-0) Comparative Economic Systems

A study of the characteristics, functions, and the working of various economic systems such as capitalism, socialism, and mixed economies. *Prerequisites: ECO 211, 212.*

ECO 430 (3-3-0) Economic Problems

An in-depth study of some of the current domestic and international economic problems. *Prerequisites: ECO 211, 212.*

ECO 440 (3-3-0) Seminar in Economics

The culmination of undergraduate study of economics. It provides an opportunity for the student to apply his knowledge and training to analyze current economic problems. The student selects a project of his choice and works under the supervision of the instructor. *Prerequisites: Senior standing and consent of the Department Head.*

ECO 450 (3-0-0) Economic Internship

This course is designed to provide students with an opportunity to apply their theoretical knowledge and gain practical experience in an actual working environment.

ECO 590 (4-4-0) Economics for Managers

Survey of microeconomics and macroeconomics principles with special application to managerial decision-making.

ECO 610 (3-3-0) Managerial Economics

The application of theory and quantitative methods to an analysis of managerial decision-making in national and international settings. Topics covered include forecasting, capital budgeting, pricing, production and resource allocation. *Prerequisites: ECO 590 or its equivalent.*

ECO 620 (3-3-0) Seminar in Macroeconomics and Policy

Macroeconomic theories and policies are examined from the managerial decision-making perspective. The course explores the macroeconomic issues, policies, theoretical and empirical controversies related to the fluctuations in the aggregated economic activity. *Prerequisites: ECO 610 or its equivalent.*

ECO 630 (3-3-0) International Economics and Finance

Introduction to contemporary theories of international trade; exchange rates and use of national monies in international trade; hedging and speculation; balance of payments adjustments; monetary and customs unions; Eurocurrencies and international capital market; the multinational corporation and technology transfer; and tax harmonization. *Prerequisites: ECO 610 or its equivalent.*

ECO 640 (3-3-0) Business and Economic Forecasting

Advanced study of the science and art of model building for purposes of forecasting and policy analysis. Forecasting models are critically examined and applied to the managerial decision-making problems using standard computer program. *Prerequisites: ECO 610 and MGM 612 or equivalents.*

EDUCATION (EDU)

EDU 211 (1-0-3) Laboratory Experiences in Area Schools

This course is designed to serve as an introduction to professional education experiences. These laboratory experiences will take place in area schools and provide an opportunity for the student to observe the child, teacher, and to develop an understanding of the learning process in the school setting. Thirty-six (36) clock hours (pass-fail) are required.

ECU 310 (3-3-0) Foundations of Education
Basic introduction to the study of the foundations of education as they contribute to the understanding of the school's role in formulating an operational philosophy of education. The areas include: sociology, history, philosophy, administration and curricular.

EDU 330 (3-3-0) Educational Psychology and Measurements
This course provides a comprehensive introductory survey of the field of educational psychology, to develop an understanding of the principles, practices and research into the nature of learning and human abilities.
Prerequisites: EDU 310.

EDU 340 (3-3-0) Human Development
This course is designed to promote an understanding of human development from conception through adolescence. Special attention is given to the childhood years of 2-8 for early childhood majors; and the middle and late adolescent years of 17-21 for the secondary education majors.

ECU 350 (3-3-0) Curriculum and Activities in Early Childhood Education K-3
An overview of the organization, nature and scope of early childhood education programs in the areas of language arts, social studies, mathematics, science, music, art, drama, and constructive play. Notes the emphasis on social learning and development and the influence of social factors upon curriculum content. Studies contemporary and traditional programs with supervised experiences in public and college laboratory schools.

EDU 360 (3-3-0) Audio-Visual Education
A survey of audio-visual materials and methods, with instruction in the classroom use of film, filmstrips, recording, radio field trips, slides, bulletin boards, and other visual aids. Experience in the operation of the various machines are provided.

EDU 400 (3-3-0) The Middle School
The purpose of this course is to provide the student with a background and fundamental understanding of the basic principles, policies, and philosophy which undergird middle school education in the United States. It is organized to give the perspective intermediate education teacher a composit and comprehensive picture of the middle school as it exists today, and to make some tentative projections regarding innovations which are likely to occur as the middle school periodically and continuously attempts to enrich the educational experiences which are provided for transients.

EDU 421 (3-3-0) Principles of Secondary Education
This course is designed to give prospective secondary teachers a comprehensive overview of the history and development of secondary education and the emergency of secondary schools as they exist today. The philosophy undergirding the aims and purposes of the secondary school is examined with special attention to contemporary social forces impacting the curriculum. Problems and programs are addressed. Blocked course. *Corequisite: EDU 480.*

EDU 422 (3-3-0) Methods of Teaching Mathematics and Science K-3
This course provides an opportunity for students to explore mathematical content and current teaching strategies applicable to the early childhood program. Emphasis will be placed on field, laboratory and inquiry teaching.

EDU 423 (3-3-0) Methods of Teaching Language Arts K-4
A critical study of the methods, materials and content for teaching young children to speak, listen, read and write effectively.

EDU 424 (3-3-0) Modern Practices in Early Childhood Education
This course is an investigation of trends, issues, and current research in early childhood education. Attention will be given to theory, instructional strategies and classroom activities.

EDU 425 (3-3-0) Methods of Teaching Social Studies K-4
This course will consider recent developments, current practices, methods, and resources suitable for teaching social studies in the early childhood program.

EDU 427 (3-3-0) Methods of Teaching Math K-6

This course provides an opportunity for students to obtain teaching skills with mathematics content applicable to the elementary grades (K-6). Emphasis will be placed upon content to be taught to pupils, field, laboratory and inquiry teaching.

EDU 428 (3-3-0) Methods of Teaching Science K-6

This course provides a critical analysis of the content and teaching strategies in the biological, physical, environmental and earth sciences applicable to the elementary grades (K-6). Emphasis will be placed upon content to be taught to pupils, field, laboratory and inquiry teaching.

EDU 429 (3-2-1) Modern Practices, Elementary Education K-6

This course provides the opportunity to investigate current trends and practices expected from teaching practitioners. Attention will be given to observation experiences and classroom activities which provide direct knowledge of effective teaching.

EDU 431 (3-3-0) Principles of Guidance

This course is designed to provide one with knowledge of meanings, purposes and aims of guidance. Attention is given to methods of investigation in guidance methods of guiding students and the results of guidance. Special consideration is given to ways of improving guidance in schools. Students who have taken PSY 431 may not take this course.

EDU 432 (3-3-0) Principles of Counseling

This course is designed to help the student understand the various theories of guidance and counseling. Diagnosis will be made of case studies in counseling situations, analysis and observation of interviewing procedures and careful observation of counseling theories in actual situations. Students who have taken PSY 432 may not take this class.

EDU 433 (3-3-0) Methods of Teaching Mathematics - Intermediate

This course will consider math content and teaching strategies as they affect the intermediate school program.

EDU 434 (3-3-0) Methods of Teaching Language Arts and Social Studies - Intermediate

This course will consider the recent developments, current practices, methods, and resources for teaching language arts and social studies in the intermediate school program. In the social studies component, emphasis will be placed on several social science disciplines and their interdisciplinary interdependence.

EDU 435 (3-3-0) Methods of Teaching Science - Intermediate

This course is a critical analysis of the content and teaching strategies in the biological, physical, environmental and earth sciences as they affect the intermediate school program. Emphasis will be placed on field, laboratory and inquiry teaching.

EDU 436 (3-3-0) Methods of Teaching Language Arts (4-6)

This course will consider the recent developments, current practices, methods and resources for teaching language arts in the intermediate grades (4-6). Emphasis will be given to the content to be taught to pupils.

EDU 437 (3-3-0) Methods of Teaching Social Studies (4-6)

This course will consider the recent developments, current practices, methods and resources for teaching social studies in the intermediate grades (4-6). Emphasis will be placed upon the content to be taught to pupils.

EDU 440 (3-3-0) Guidance and Counseling Practicum

The practicum is intended to provide each student with intensively supervised counseling experiences in a true-to-life setting and a chance to share the results of such experiences with his supervisor. Major emphasis is given to the practical and applied aspects of counseling and to various guidance activities. The practicum comes at the end of a student's training and gives him a chance to tie together all his other courses in theories and techniques and apply them under supervision. Students who have taken PSY 440 may not take this course.

EDU 442 (3-3-0) The Elementary School Curriculum

This course involves the study of the elementary school program for levels K-6. Its primary focus is the study of the interralationships between content, method, and child development. Required of all students who pursue study in the K-6 track (Reading Education).

EDU 460 (3-3-0) Methods and Materials in Secondary School Subjects

These courses are intended to develop an understanding of the objectives, the materials, and teaching procedures that are best suited to each teaching field.

EDU 470 (6-6-0) Student Teaching in the Elementary School

Student teaching is the curriculum of the professional education experience. This activity takes place in the public schools and provides an opportunity for the student to participate in observation, teaching and all other activities expected of the regular in-service teacher.

EDU 480 (6-0-6) Student Teaching in the Secondary School

EDU 490 (3-3-0) Professional Education Seminar

This course will review the major teaching processes and provide a critical analysis of the research problems and professional issues which include mainstreaming and multi-cultural education.

EDU 560 (3-3-0) Educational Communications Methods and Materials

Utilization of types of visual materials including slides, prints, filmstrips, films, transparencies and television. Particular attention is given to the problem of selection, integration and evaluation of these materials in the school program.

EDU 600 (3-3-0) History and Philosophy of Education

The historical development of the principles and practices of education from the earliest times to the 18th century with emphasis upon the philosophical evolution of educational thought.

EDU 602 (3-3-0) Foundations of Education

A study of the institutional development of public education in the United States with an interpretation of political, philosophical, and social forces influencing this development.

EDU 630 (3-3-0) Advanced Educational Psychology

A comprehensive study of psychological principles and techniques as applied to various aspects of human learning. Some emphasis given to relationships between brain functions and learning processes.

EDU 680 (3-3-0) Introduction to Research

A study is made of the development and use of research, research methods, applied research, basic research, methods of reasoning, fallacies in reasoning, statistical methods, thesis writing, survey research, and evaluation of research.

EDU 699 (6) Thesis

Conferences and discussion under the guidance of major professor designed to meet the needs of the individual for special study of particular problems or fields in education. Completed study required for credit.

EDUCATIONAL ADMINISTRATION (EDA)

EDA 533 (2-2-0) Home, School, Community Relations

Principles, practices, and problems of home, school, and commuity relations.

EDA 536 (2-2-0) Principles of Guidance

Introductory course in guidance. Includes an overview of the entire field of guidance work with particular emphasis on applications in schools.

EDA 615 (3-3-3) Techniques of Teaching in the High School

The most effective teaching techniques used to direct learning in the American secondary school.

EDA 640 (3-3-0) Principles and Practices of Supervision
Considers the principles of supervision, the administrative organizations of supervision, planning and administering supervisory programs, and studying and improving the teacher-learning situation.

EDA 641 (2-2-0) Seminar - Supervision
Current and practical problems in educational supervision.

EDA 642 (3-3-3) Elementary School Administration
Orientation and treatment of problems, theory, and practices of elementary school administration. Areas of concern are organizing classes, leadership, legal phases, finances, teaching personnel, pupil personnel, equipment, course of study, and curriculum.

EDA 644 (3-3-3) Foundations and Curriculum Development
Designed to assist in developing an understanding of the construction, organization, and functions of the curriculum in the American secondary school.

EDA 647 (3-3-3) Public School Finance
Taxation and sources of school revenue; local, state, and federal monies, preparation and administration of the school budget; debt service; general control, and capital outlay differences among the states in financing public education.

EDA 648 (3-3-3) School Law
The constitution and statue laws, regulations of local school boards, court decisions as sources of school law, legal aspects of control of public behavior, teacher tenure, teacher contracts and dismissal.

EDA 649 (3-3-3) Secondary School Administration
Principles and practices of administration in secondary schools. This course seeks to develop a workable theory of leadership applicable to the secondary school.

EDA 680 (3-3-0) Topics in Administration
A study of the problems related to school administration. The course is designed to enhance leadership development for principals and assistant principals. Research and group discussion are utilized to supplement learning.

EDA 691 (3-0-3) Practicum in School Administrative Internship
Full-time or on-the-job experience under the supervision of a public school administrator.

EDA 692 (3-0-3) Seminar in School Administration
Considers current administrative problems, practices, and procedures with emphasis on administrative activities experienced during the supervised practicum phase of the administrative internship.

EDA 693 (3-3-0) Supervisory Internship - Level I
Full-time or on-the-job experience under the supervision of an instructional leader of recognized capability.

ELEMENTARY EDUCATION (ELE)

ELE 505 (3-3-0) Modern Mathematics for Elementary Teachers
Numeration systems and the real numbers from an axiomatic approach. Emphasis is upon the relationship between these topics and school mathematics. *Prerequisites: Consent of instructor.*

ELE 512 (3-3-0) Improvement of Reading Instruction
Designed to introduce and extend fundamental knowledge of the beginning reading process, including an understanding of essential skills and early detection and remediation of possible reading problems. Closed to students with equivalent undergraduate course.

ELE 513 (3-3-0) Reading Remediation and Practicum
Provides guidance in designing reading programs on the basis of individual and group presen-

tations, followed by a practicum experience in guiding individual and group student activities in the reading instructional program. Closed to students with equivalent undergraduate course.

ELE 516 (3-3-0) Applied Phonics
Designed to provide skill in phonics as one kind of help in identifying written words. The student is introduced to the essentials of phonics and given a linguistically sound approach in methodology.

ELE 520 (3-3-0) Teaching and Evaluation in Early Childhood Education
Extensive study and practice in translating the early childhood curriculum into appropriate learning experience. *Prerequisites: ELE 552.*

ELE 533 (3-3-0) Foundations of Arithmetic
Elements of modern mathematics for teachers of elementary mathematics. Credit applicable as education.

ELE 534 (3-3-0) Social Studies in Elementary School
Social studies objectives implemented by the study of programs, strategies, and materials.

ELE 550 (3-3-0) Reading in the Junior and Senior High School
Lectures and laboratory experiences designed to develop knowledge and skills which enable the prospective junior high and secondary teachers to assess the reading levels of students and to use methods and materials in keeping with individual interests and needs to the end that each student's reading capability is enhanced through the teaching-learning process in each content area.

ELE 552 (3-3-0) Foundations and Curriculum of Early Childhood Education
In-depth study of the following, as related to early childhood education: historical, psychological, and sociological bases; general trends and current programs; and program content.

ELE 567 (3-3-0) Teaching Disadvantaged Children
An exploration of selected teaching materials and techniques pertinent to the socio-economic background of disadvantaged children.

ELE 605 (3-3-0) Investigations in the Teaching of Reading
Consists of making an analytical study of research related to the difficulty in becoming familiar with the reading processes. Stress is placed on critical evaluation of research studies with special reference to psychological principles involved and the educational implications to be derived. *Prerequisites: EDU 630.*

ELE 611 (3-3-0) Foundations of Reading
Provides basic information about the reading process — what it is, how the child learns to read, instructional strategies and materials available for teaching reading, and diagnosis and prescription for individual children. *Prerequisites: Admittance to graduate study; a B.S. in Early Childhood Education, Elementary Education, or related areas; permission of the instructor.*

ELE 615 (3-3-0) Techniques of Teaching in the Elementary Schools
Effective teaching techniques used to direct learning in the elementary school are studied. Innovative forms of organization and instruction are investigated.

ELE 616 (3-3-0) Problems Seminar in the Lower Elementary Grades
An application of research techniques in the development of a pilot study, course of study, course modules or other tangible products pertaining to the lower elementary grades under the direction of the instructor (or professor with permission). In most cases, proposals developed in "Introduction to Research" may be further developed to satisfy the course requirement. *Prerequisites: EDU 680.*

ELE 617 (3-3-0) Problems Seminar in the Upper Elementary Grades
An application of research techniques in the development of a pilot study, course of study, course modules or other tangible products pertaining to the upper elementary grades under the direction of the instructor (or professor with permission). In most cases, proposals developed in

"Introduction to Research" may be further developed to satisfy the course requirement. *Prerequisites: EDU 680.*

ELE 618 (3-3-0) Reading: The Learning Bases
Deals with the current body of educational and psychological data concerning the nature of the reading-learning process as applied to the teaching of reading and the problems that arise in learning to read. *Prerequisites: Admittance to graduate study; a B.S. degree in Early Childhood Education, Elementary Education, or related area, permission of the instructor; and competencies in foundations of reading.*

ELE 621 (3-3-0) Clinical Procedures in the Identification and Evaluation of Reading Disabilities
Deals with the nature and causes of reading disability as well as the development of clinical skills related to the diagnosis and evaluation of reading difficulties, including laboratory experiences. *Prerequisites: EDU 680 and PSY 692 or permission of instructor.*

ELE 622 (3-3-0) Remediation of Reading Disabilities
Correlation and remediation of reading disabilities with practicum involving clinical procedures for the diagnosis and remediation of reading disabilities. A study of the need for corrective and remedial reading involving an in-depth study of the basic principles of remedial instruction as well as the development of skills involved in the remediation of reading difficulties including methods, techniques developed earlier in the study. *Prerequisites: ELE 621.*

ELE 623 (3-3-0) Advanced Language Arts in the Elementary School
An advanced language arts course and systematic presentation of basic ideas and techniques in the teaching of reading, emphasizing the place or oral language and major approaches to the teaching of reading. Stress is placed on skills of comprehension and the interrelatedness of the arts of communication.

ELE 624 (3-3-0) Teaching Writing in the Elementary Schools
This course analyzes the writing process and presents major approaches to teaching written composition. In addition, evaluation procedures are also presented.

ELE 635 (3-3-0) Problems in Science Education
Designed to provide opportunities for individuals to work on research in science teaching at the elementary school level.

ELE 642 (3-3-0) Elementary School Curriculum
Close examination of the scope and sequence of the elementary school curriculum. Emphasis is placed on techniques helpful in promoting the total growth and development of the elementary school child.

ELE 644 (3-3-0) Organization and Management of Reading Programs
To meet the current demand to provide educational leadership necessary to the implementation of a developmental reading program K-12, involving the total school district.

ELE 652 (3-3-0) Selected Topics in Biological Science for Elementary Teachers
Selected topics in biological sciences suitable for use in the elementary school.

ELE 653 (3-3-0) Selected Topics in Physical Science for Elementary Teachers
Selected topics in physical sciences suitable for use in the elementary school.

ELE 654 (3-3-0) Selected Topics in Earth Science for Elementary Teachers
Selected topics in earth sciences suitable for use in the elementary school.

ELE 680 (3-3-0) Advanced Studies in Children's Literature
A study of sources of literature for children with emphasis on excellence and suitability. Attention is also given to trends, problems, and recent research.

ELE 699 (3-0-3) Seminar - Thesis
Conferences and discussions under the guidance of a major professor. Designed to meet the needs of the individual for specific study of particular problems or field of education.

ENGLISH (ENG)

ENG 101 (3-3-0) Basic Grammar
A study of the fundamental skills of grammar and mechanics. The course aids the freshman student in becoming a proficient writer through writing practice culminating in his being able to produce a coherent and grammatically correct theme. Placement is determined by diagnostic testing.

ENG 110 (3-3-0) Composition I
A course in expository writing. The course will examine organization, paragraph development, sentence structure, diction, and style. The student will be concerned with expressing ideas and will continue to develop proficiency in the use of acceptable writing standards. The student's extension of ideas will be facilitated by exploring the ideas of others in selected literary works. Attention will also be given to the form of ideas. *Prerequisites: Appropriate score on placement exam.*

ENG 120 (3-3-0) English Composition II
A course in expository writing and research skills. The student will observe acccpted standards of sentence structure, capitalization, punctuation, and spelling. The student will have experience in the three principal stages of composition: prewriting, writing, and revision. Further, the student will gain experience in the use of the library to fulfill requirements in all areas of study and research.

ENG 211 (3-3-0) World Literature I
A study of major works of the Ancient World, the Middle Ages and the Ranaissance. Various genres are represented. This course is required of students majoring or minoring in English. *Prerequisites: ENG 110, 120.*

ENG 212 (3-3-0) World Literature II
A study of major works of the Enlightenment, the Romantic Age, the period of Realism and Naturalism and the Modern World. *Prerequisites: ENG 110, 120.*

ENG 221 (3-3-0) Afre-American Literature
A historical and critical perspective of black writers' contribution to American fiction, poetry, drama, and non-fiction. *Prerequisites: ENG 110, 120.*

ENG 222 (3-3-0) A History of the English Language
A historical study of the nature and form of the language from its beginnings to the present. *Prerequisites: ENG 110, 120.*

ENG 230 (3-3-0) An Introduction to Linguistics
An introduction to the inductive method of studying language. The course provides an explanation and discussion of linguistics and its subdivisions. Thus, the student will explore the phonological morphological and syntactical aspects of language, dialectical variation, graphemics, sound, spelling, linguistic change, bilingualism and linguistics, field linguistics, psycholinguistics, sociolinguistics, the uses of linguistics and related fields. *Prerequisites: ENG 110, 120.*

ENG 231 (3-3-0) Advanced Grammar
A course designed to reinforce the student's skills in grammatical analysis and to introduce the student to the three major schools of grammatical analysis: traction, structural and generative/transformational. The student will also be introduced to study of language acquisition in the light of current studies in grammatical analysis. *Prerequisites: ENG 110, 120.*

ENG 240 (3-3-0) Introduction to Literature
A course designed to introduce the student to the five major genres of literature — fiction, poetry, drama, the essay and film — and to provide intensive work in the critical skills of reading,

evaluating and interpreting literary works. A major activity is the writing of critical papers about literature. Students not majoring in English may select this course as a humanities option.

ENG 300 (3-3-0) Children's Literature
An introduction to the most significant literary contributions to children's literature from a variety of ethnic origins. Among the types of literature examined are ballads, humorous and nonsense verse, folklore, myths, epics and biographies. *Prerequisites: ENG 110, 120.*

ENG 301 (3-3-0) Adolescent Literature
Literature for and about the adolescent. Examination of reading programs and approaches to literature for the adolescent; critical study of genres, modes and thesis found in the literature as well as a study of their function in children's and adult literature. *Prerequisites: ENG 110, 120.*

ENG 310 (3-3-0) Introduction to Folklore
Introduction to the forms of oral literature and folk tradition, folktale, legend, myth, folksong, proverb, riddle, custom and belief. Emphasis o aesthetic and social contents. *Prerequisites: ENG 211, 212.*

ENG 311 (3-3-0) English Literature I
A survey of the literature of England from the Anglo-Saxon period through the eighteenth century. The course is required of students majoring or minoring in English. *Prerequisites: ENG 211, 212.*

ENG 312 (3-3-0) English Literature II
A continuation of the survey of English literature, expending from the Romantic period to the present. The course is required of students majoring or minoring in English. Either 311 or 312 may be selected without the other by students getting a concentration in English. *Prerequisites: ENG 211, 212.*

ENG 320 (3-3-0) The Renaissance
A study of prose and poetry of the representative authors of the Renaissance together with representative plans of dramatists other than Shakespeare in relation to the conventions and background of the Renaissance.
Prerequisites: ENG 311.

ENG 321 (3-3-0) American Literature I
A survey of the major writers of America from earliest efforts at colonization through the Civil War. This course is required of students majoring or minoring in English. *Prerequisites: ENG 211, 212.*

ENG 322 (3-3-0) American Literature II
A survey of the major writers of America from the period of the Civil War through the present. This course is required of students majoring or minoring in English. Either ENG 321 or 322 may be selected without the other by students electing a test.

ENG 330 (3-3-0) The Seventeen Century
Selected readings with emphasis on the metaphysical poets. *Prerequisites: ENG 311.*

ENG 331 (3-3-0) American English Dialects
Through the use of history and principles, procedures and findings of American English dialect study, the student will become acquainted with and knowledgeable of dialectical variation in American English. Emphasis is placed on the reasons for historical, regional, and social variations in American English. The course will take into account features such as population movement, upward mobility, plurality of standard dialects, and the relationship of history and education to speech. Some attention will also be given to the use of dialect in the evaluation of teaching materials, teaching methods, and pedagogy in general. An examination of black English is an important part of the course. *Prerequisites: ENG 230 or consent of the instructor.*

ENG 340 (3-3-0) Short Prose Fiction
A study of representative modern British, American, and continental writers of the short story and the short novel with emphasis upon the techniques of this genre.

ENG 341 (3-3-0) Advanced Composition
A study of rhetorical strategies, sentence combining, editing, logic and persuasion, diction, usage, and research methods, with a series of themes and a research paper. *Prerequisites: ENG 110, 120.*

ENG 342 (3-3-0) Creative Writing
An introductory course designed to acquaint the student with the various forms of modern fiction and poetry and to provide opportunities for the creation of the student's own poetry and fiction. From short exercises on plot theme, character, dialog and description, the student will move on to create at least three short stories. Exercises in verse and prosody will be assigned in the hope that the student will write five or six poems by the end of the semester. *Prerequisites: ENG 110, 120.*

ENG 350 (3-3-0) Modern Poetry
A study of British and American poetry from Whitman, Dickinson and Hardy to the present with emphasis on the major poets of the major poets of the twentiety century. *Prerequisites: ENG 212.*

ENG 360 (3-3-0) Modern Drama
A survey of major playwrights from Ibsen and Strindberg to contemporary figures such as Pinter and Stoppard.
Prerequisites: ENG 212.

ENG 401 (3-3-0) Chaucer
Emphasis on *The Canterbury Tales* with some attention to other works selected from the Chaucer canon. Consideration of literary, social, religious and philosophical background. This course is required of students seeking the Bachelor of Arts degree in English. *Prerequisites: ENG 311.*

ENG 411 (3-3-0) Shakespeare
A study of selected major Shakespearian drama. The plays include comedies, histories, and tragedies and give a comprehensive view of Shakespeare's dramatic works. This course is required of all English majors. *Prerequisites: ENG 311.*

ENG 412 (3-3-0) The Eighteenth Century
A study of the major English writers from the Restoration — the age of Dryden, of Pope and of Johnson — to the beginning of Romanticism. Some attention will be given to the rise of the English novel in the eighteenth century. This course is required of students seeking the Bachelor of Arts degree in English. *Prerequisites: ENG 311.*

ENG 431 (3-3-0) The American Novel
A study of the development of the American novel up to 1953 with emphasis on selected major writers. *Prerequisites: ENG 321, 322.*

ENG 432 (3-3-0) Romantic Poetry and Prose
A study of the work of the major British Romantics. Representative works by Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats are examined in their cultural and critical contexts. This course is required of students seeking the Bachelor of Arts degree in English. *Prerequisites: ENG 312.*

ENG 470 (3-3-0) Senior Seminar
Directed study on special topics in English conducted by specially appointed members of the Area. *Prerequisites: Senior standing.*

ENG 480 (3-1-3) Internship
Practice in approved field experiences. Optional for those seeking the Bachelor of Arts degree. *Prerequisites: Senior standing.*

FINANCE (FIN)

FIN 311 (3-3-0) Principles of Finance
Basic financial management including the study of the nature of financial management, financial analysis, working capital management, financial institutions, and long-term investment decisions. *Prerequisites: ACT 212 or ECO 212.*

FIN 320 (3-3-0) Financial Management
A continuation of FIN 311 developing the ability to use analytical tools with attention to case studies dealing with capital budgeting, capital structure, return on investment, and cost of capital. Consideration will be given to long-term financing, expansion, and problems of small businesses in connection with decision-making techniques. *Prerequisites: FIN 311.*

FIN 330 (3-3-0) Personal Finance
A study of problems of money management giving special attention to credit borrowing, saving money, and bank relationship. Consideration is given to problems affecting individuals in allocating funds among stocks, bonds, insurance, property, and mutual investment companies. *Prerequisites: ECO 211.*

FIN 340 (3-3-0) Principles of Insurance
A survey of the principles, practices, and organizational structure of insurance with attention given to the various kinds of commercial insurance such as fire, automobile, casualty, health and accident, and life insurance.

FIN 350 (3-3-0) Real Estate
A presentation of the fundamental economic aspects of real property with special attention given to the changing character of the urban economy and its effect on land values and land utilization. *Prerequisites: ECO 211.*

FIN 410 (3-3-0) Investments
A survey of portfolio models and theories; factors affecting corporate and other securities as portfolio choice. Organization of capital markets and the analysis and evaluation of securities. *Prerequisites: ECO 211, 212.*

FIN 590 (3-3-0) Business Finance
An introductory course combining both a description of the structure of business financing and an analysis of functional finance from a managerial viewpoint.

FIN 610 (3-3-0) Financial Management
A study of financial principles and practices with special emphasis on their relation to managerial planning and control in an independent global economy. The case method will be used. *Prerequisites: FIN 590.*

FIN 620 (3-3-0) Advanced Financial Management
An evaluation of selected financial policies connected with the acquisition and disposition of funds by firms. An emphasis is placed on quantitative solutions to these problems. *Prerequisites: FIN 510.*

FIN 630 (3-3-0) Financial Institutions and Marketing
The principle financial institutions and markets will be studied in relation to their contribution to the efficient operation of the individual enterprise and the total company. *Prerequisites: Consent of instructor.*

FIN 640 (3-3-0) Investment Concepts
A study of fixed return and variable return securities, investment services, industry and issue analysis, empirical studies of groups and individual stock price movements. *Prerequisites: Consent of instructor.*

FIN 650 (3-3-0) Seminar in Finance
Current issues and practices in finance will be selected as problems for intensive exploration and reporting. *Prerequisites: Consent of instructor.*

FRENCH (FRE)

FRE 110 (3-3-0) Elementary French I
A course designed to develop the basic communicative skills: speaking, aural comprehension, reading, and writing. Laboratory practice is required.

FRE 111 (3-3-0) Elementary French (Honors)
An honor course of the department. Placement will be made from entrance examination scores, previous high school study, etc. Attention will be given to the development of skills of aural

comprehension, speaking, reading, and writing. Regular laboratory practice is required.

FRE 120 (3-3-0) Elementary French II
A concentration of the development of the basic communicative skills aural comprehension, speaking, reading, and writing. Regular laboratory practice is required. *Prerequisites: FRE 110 or placement examination.*

FRE 121 (3-3-0) Elementary French II (Honors)
An honors course that continues the study of grammatical structure, reading, and use of the spoken language. Regular laboratory practice is required. *Prerequisites: FRE 110 or placement examination.*

FRE 211 (3-3-0) Intermediate French I
A continuation of the development of the basic skills in the use of the language with emphasis on effecting a greater oral fluency and a broader reading comprehension. Laboratory practice is required. *Prerequisites: FRE 120 or placement examination.*

FRE 212 (3-3-0) Intermediate French II
Designed to effect a greater oral fluency and a broader reading comprehension. Laboratory practice is required. *Prerequisites: FRE 211 or placement examination.*

FRE 311 (3-3-0) French Conversation I
A course designed to develop greater oral proficiency. *Prerequisites: FRE 212.*

FRE 312 (3-3-0) French Conversation and Composition
A continuation of the development of the skills in oral expression with practice and study in the correct writing of the language. Phonetics, intonation, dictation, and vocabulary building will be included. *Prerequisites: FRE 212.*

FRE 321 (3-3-0) French Civilization and Culture
A study of the civilization, culture, and history with attention given to the life, customs, philosophy, art, music, and general culture patterns of the French people. *Prerequisites: FRE 212.*

FRE 322 (3-3-0) Survey of French Literature I
A comprehensive study of the most representative French authors and their works from earliest times to 1800. *Prerequisites: FRE 321.*

FRE 331 (3-3-0) Survey of French Literature II
A continuation of the survey of French Literature with studies of the nineteenth and twentiety centuries. *Prerequisites: FRE 321.*

FRE 340 (3-3-0) Survey of French Literature
Readings from the masterpieces of French literature from the earliest times through the contemporary period. *Prerequisites: FRE 321.*

FRE 411 (3-3-0) 17th Century French Literature
A comprehensive study of French classicism with a study of the literary masterpieces of the 17th century. Special emphasis is on explication de texte. Conducted in French. *Prerequisites: FRE 320.*

FRE 421 (3-3-0) The French Novel
A comprehensive study of the romantic, realistic, and naturalistic novels in the nineteenth century with a study of the literary movements and authors in the first half of the twentieth century. *Prerequisites: FRE 340.*

FRE 431 (3-3-0) Advanced Grammar, Composition and Linguistics
A thorough review of grammar and syntax with free composition in French. Emphasis is also on study of linguistics. *Prerequisites: FRE 212.*

FRE 440 (3-3-0) African and Caribbean Literature in French
Readings and discussions of literary works by French-speaking authors of North and West Africa and of the Caribbean.

FRE 450 (3-3-0) Contemporary French Literature and Thought
A study of the varied genres of modern French literature from 1945 to the present. *Prerequisites: FRE 411.*

GENERAL STUDIES (GEN)

GST 100 (1-1-1) Orientation I
A systematic instructional program designed to help students adjust to the University and develop a positive attitude towards the learning process. Students will be provided an extensive introduction to the various programs, and offices on campus as well as the policies and procedures of Fayetteville State University. The course will include lectures-seminars, visitations from resource persons and bi-monthly assemblies.

GST 101 (1-1-1) Orientation II
A systematic instructional program designed to assist students in exploring and understanding areas which will aid them in making sound career decisions and/or occupational choices for the future. The course includes bi-monthly assemblies, lectures and presentations from various resource persons.

GEOGRAPHY (GGY)

GGY 210 (3-3-0) Principles of Geography
An introductory study of the physical and cultural elements of the surface of the earth. Emphasis is on the geographic relationships and a general survey of the interaction between man and his physical environment.

GGY 220 (3-3-0) World Regional Geography
A geographical study of the world of realms or regions. A study is made of the meaning of regions and the basic relationship between the physical and cultural elements within the major regions of the world. A detailed study is made of some selected regions.

GGY 230 (3-1-2) Computer Graphics I
An introductory computer graphics course emphasizing the Low Resolution computer graphics utilized in geography.

GGY 240 (3-1-2) Computer Graphics II
An introductory computer graphics course emphasizing the High Resolution computer graphics and Turtle graphics utilized in geography.

GGY 250 (3-1-2) Basic Map Reading
An introductory basic map-reading course. Basic essentials of a map and map interpretation techniques are emphasized. Students will be exposed to several types of most commonly used maps and their interpretations.

GGY 260 (3-3-0) Population Geography
A study of the patterns of population distribution on the surface of the earth. Emphasis is on the population growth, density, and movement patterns and the alterations as they relate to changes in selected socio-economic and cultural phenomena.

GGY 300 (3-3-0) Medical Geography
The geographic study of human ecology of health on the surface of the earth. An analytical study is made of the world patterns of disease distribution and their cultural/environmental interactions. A study is also made of the ways the diseases are being altered by developments in the various culture realms.

GGY 310 (3-3-0) Economic Geography
A geographic analysis of the distribution of man's economic activities on the surface of the earth with emphasis on present day patterns and trends of production, distribution and utilization of the world's major commodities.

GGY 311 (3-1-2) Cartography
Principles and techniques of constructing maps and other graphic devices. Emphasis is on the construction of map projections and their used, problems of scales, interpretation of contour

maps, lettering and sketching techniques and graphic presentation of statistical materials.

GGY 312 (3-3-0) Advanced Cartography
Advanced principles and techniques of map and graphic construction and interpretation.

GGY 313 (3-1-2) Aerial Photo Interpretation
A study of the basic principles of aerial photographic mapping and interpretation of the aerial photos as related to both physical and cultural/human geography. Emphasis is on detecting and identifying the natural/physical and man-made/cultural elements of the geographic complex on the surface of the earth from the perspective of space.

GGY 314 (3-1-2) Introduction to Remote Sensing
An introductory course of remote sensing emphasizing its application to environmental and land use analysis of the earth.

GGY 316 (3-1-2) Computer Cartography
An introduction to the use of computer in cartography as well as the use of computer graphics. A study is made of the application of computer mapping to geographic phenomena and problems.

GGY 317 (3-1-2) Computer Techniques in Geography
A course emphasizing the use of computer in studying the geographical phenomena on the surface of the earth. Several computer techniques are utilized for a better understanding of the subject matter of study in geography.

GGY 321 (3-3-0) Geography of the Soviet Union
A study of the physical features, natural resources, population distribution, and human/cultural geography of the Soviet Union in historical and present time.

GGY 322 (3-3-0) Latin America
A regional study of the physical environmental conditions, natural resources, economic development, and social and political conditions of the Latin American countries.

GGY 330 (3-3-0) Geography of Africa
A geographic study of the continent of Africa and the regional description of its countries and regions as well as the current problems and developments. The course is designed to stimulate the interest of the students in African geography and lead them into further understanding of the distinctiveness of Africa and its character as different from that of every continent.

GGY 340 (3-3-0) Cultural Geography
An examination of human experience as it occurs in different natural settings. An analysis of symbolic and material elements of culture with special focus upon those with landscape and environment manifestations. Specific case studies will be used to determine how processes such as innovation, diffusion, and cultural change function.

GGY 350 (3-3-0) Physical Geography
An examination of the physical systems and features of the earth. Emphasis is placed on the detailed analysis of systematic functions and interrelations of the geophysical processes of the earth's physical/natural environment.

GGY 360 (3-3-0) Climates
A study of the world climatic patterns. Emphasis is on the classification and distribution of various types of climates on the surface of the earth and their influence on man.

GGY 370 (3-3-0) Introduction to Meteorology
An introductory study of the atmosphere phenomena of weather. Emphasis is on the analysis of the weather elements, weather production processes, and techniques of weather forecasting.

GGY 400 (3-3-0) Introduction to City and Regional Planning

A study of the principles, concepts, and reality of city and regional planning from the past to the present. Emphasis is placed on urbanization and planning, and analysis of current urban problems and of forces responsible for urban and regional growth.

GGY 410 (3-3-0) Man and Environment

An examination of the interaction between man and the environment on the surface of the earth. Much of the course will be devoted to specific types of ecosystem degradation and how such problems have been and might be dealt with.

GGY 411 (3-3-0) Industrial Geography

A study of manufacturing regions and the major industries of leading industrial nations of the world. Attention is given to factors relating to the nature, location and development of manufacturing industries.

GGY 412 (3-3-0) Ecology

A geographic study of the ecological system of the earth, that is, the community of organisms and the relationship of these organisms to their environment. The effect of human activity on the earth system is emphasized.

GGY 420 (3-3-0) Conservation of Natural Resources

A study of the wise and unwise use of natural resources of the earth and their relation to conservation practices. A study is made of the conservation problems and techniques of preserving the earth's waters, soils, forests, grasslands, animals and human resources.

GGY 421 (3-3-0) Geography of the South

An analytical study of the physical, historical, economic, social and cultural environment of the present day southern United States. This course is designed to acquaint the students with the geography of the South so that they will become familiar with the distinctive and changing character of this area in the country.

GGY 430 (3-3-0) Geomorphology

An examination of the geomorphological processes and factors which create and effect the development of the natural landscape of the earth.

GGY 440 (3-3-0) Urban Geography

A geographical survey of the external and internal spatial relationship of cities and city systems with special emphasis on the growth, distribution, and functional patterns within and among cities in various parts of the world, particularly in the United States.

GGY 450 (3-3-0) Political Geography

A study of the geographical nature of the political states. Emphasis is on the organizations, power, boundaries, internal and external relations as influenced by, and adjusted to, geographic conditions. The course is designed to acquaint the students with the concepts of geopolitics and associated contemporary problems.

GGY 480 (3-3-0) Seminar in Geography

Research in geographic thought and concepts and their practical applications. The course further emphasizes the quantitative and empirical analysis of some specific problems of physical and cultural/human elements of the earth's environment from the perspective of geographic research.

GEOLOGY (GEO)

GEO 311 (3-3-0) Introduction to Geology I

An introductory course in Physical Geology. It is concerned principally with earth's crust, its constituents, and the processes which act to change its upper surface.

GEO 312 (3-3-0) Introduction to Geology II

A sequence to source Geology 311. It extends the content of Geology 311 to include the internal processes active within the earth such as plate tectonics, earthquakes, the interior structure of the earth, as well as an introduction to historical geology and the succession of life forms and fossils which formerly lived on earth. *Prerequisites: GEO 311.*

GERMAN (GER)

GER 110 (3-3-0) Elementary German I
A course designed to develop the basic communicative skills: speaking, aural comprehension, writing, and reading. Regular laboratory practice is required.

GER 120 (3-3-0) Elementary German II
A continuation of the development of the basic communicative skills: comprehension, speaking, reading, and writing. Regular laboratory practice is required. *Prerequisites: GER 110 or placement examination.*

GER 211 (3-3-0) Intermediate German I
An emphasis on effecting a greater oral fluency and a broader reading comprehension. Laboratory practice is required. *Prerequisites: GER 120 or placement examination.*

GER 212 (3-3-0) Intermediate German II
Designed to effect a greater oral fluency and a broader reading comprehension. Language laboratory practice is required. *Prerequisites: GER 211 or placement examination.*

GER 310 (3-3-0) Advanced Conversation and Phonetics
A course to develop a more coordinated, liberated expression in German through greater insight into the grammatical principles, mastery of a practical vocabulary, feeling for speech rhythm, and familiarity with German word order. Introduction is provided to the symbols adopted by the International Phonetic Association; transcription and pronunciation exercises are included. *Prerequisites: GER 212.*

GER 321 (3-3-0) German Civilization
Reading selections dealing with people and events from early times up to the twentieth century. The purpose of this course is to afford the student some insight into the cultural development of the German people with reference to their history, music, art, literature, and science through the ages. *Prerequisites: GER 212.*

GER 322 (3-3-0) Modern German Literature
Selections from modern German prose, drama and poetry. Lectures are on main trends and major authors. *Prerequisites: GER 212.*

GER 330 (3-3-0) History of the German Language
A presentation of the development of sounds from Indo-European to New High German, and of the political, social, and literary forces which influence this development of the German language. *Prerequisites: GER 310.*

GER 410 (3-3-0) Survey of German Literature, Origins to 1900
A study of German literature from the beginnings to 1900. *Prerequisites: Consent of the instructor or three hours of 300-level work.*

GER 420 (3-3-0) Survey of German Literature, 1900 to Present
A study of German literature from 1900 to present. *Prerequisites: Consent of the instructor or three hours of 300-level work.*

GER 421 (3-3-0) Advanced Grammar
Advanced study of German grammar with emphasis on modern written and conversational German. A review of word formation, punctuation, etc., will be included. *Prerequisites: GER 212.*

GER 422 (3-3-0) Stylistics
A study and analysis of the various stylistic levels of the language, introduction to stylistic devices, review of syntax and various parts of speech with their effect on style, exercises with synonyms, and guided compositions. *Prerequisites: GER 421.*

GER 430 (3-3-0) Special Topics
Offered on demand. It will consist of detailed investigations of special topics in language or literature. Studies will be made in consultation with faculty.

HEALTH EDUCATION (HED)

HED 112 (2-2-0) Personal Hygiene

This course deals with basic concepts of personal and community health in complex modern society. Sexuality, population, planning, mental health, nutrition, fitness, health care delivery systems, and diseases of infections and non-infectious nature are considered.

HED 300 (3-3-0) Healthful Family and School Living

This course deals with information and concepts of sex education including physiological, social and moral aspects of human sexuality. Such topics as love, biological male and female, marriage, pregnancy, childbirth and birth control will be covered. Emphasis is on teacher preparation in sexuality and family loving.

HED 301 (3-3-0) Drugs, Alcohol and Tobacco

An in-depth study of drug use and abuse. All classes of drugs including alcohol and tobacco will be discussed. Emphasis will be placed on psychological and sociological factors which may lead to drug experimentation and heavy drug use. Emphasis will also be placed on methodology and techniques for the teaching of drug education.

HED 321 (3-3-0) Health in Early Childhood Education

This course deals with the theory and practice of planning different types of health education experiences for grades K-4. The construction of teaching units and material aids is required in an observation/teaching experience in the campus school.

HED 322 (3-3-0) Health in the Intermediate Grades

This course describes the best teaching methods for growth and development of children in the intermediate grades, with participation of games, calisthenics, plays, dance pageants, and other activities appropriate to their level of growth and development. Students are encouraged to make a collection of materials which may be useful in their own teaching.

HED 372 (3-3-0) First Aid

This course is designed to teach the underlying principles and applied techniques of first aid. Requirements of the course in Standard First Aid will be met with an awarded American Red Cross Certificate.

HED 401 (3-3-0) School Health Program

Role of classroom teacher, school nurse-teacher, others in development, implementation of total school health curriculum. Problems in selection, use of methods, materials for elementary, intermediate and secondary levels.

HED 411 (3-3-0) Public Health Problems

An in-depth study of major public health problems, present and future. Emphasis will also be placed upon the K-12 classroom teacher as the change agent for a healthier society by way of a more health educated society. *Prerequisites: Survey of a Contemporary Public Health Problem.*

HED 421 (3-3-1) Principles, Practices, and Procedures in Health Education

This course deals with the role of the teacher in the elementary school health program, including principles, practices, and procedures in teaching health at the elementary level. The construction of teaching units and material aids is required.

HED 431 (3-3-0) Adapted Physical Education

This course deals with a study of the nature of handicapped conditions and the application of this information to the development of a physical education program that meets the special needs of the handicapped.

HISTORY (HIS)

HIS 100 (3-3-0) Social Institutions

An interdisciplinary course illustrating basic concepts of history, economics, geography, political science, and psychology through a concentration on the Black experience.

HIS 110 (3-3-0) World History to 1600

A survey of the history of man, his governmental, economic, social, religious, intellectual, and aesthetic activities — from the earliest time to 1600 in Europe, Africa and the Americas.

HIS 120 (3-3-0) World History Since 1600

In the second half of world history special attention is devoted to the ideologies, movements, wars and revolutions that have shaped modern history.

HIS 210 (3-3-0) Afro-American History

The social, economic and political history of the Black American. Attention is given to contributions of Blacks to the social, economic and intellectual life of American society; their role in its exploration, discovery and development; the experience of slavery and the struggle for civil rights.

HIS 211 (3-3-0) The United States to 1865

A survey of American History from the colonial period through the Civil War.

HIS 212 (3-3-0) The United States Since 1865

A continuing survey of the forces shaping American society and institutions from the Reconstruction Era to the present.

HIS 301 (3-3-0) The Era of Civil War and Reconstruction

An examination of the forces that led to the outbreak of Civil War between North and South; the Union victory; and the problems of reconstruction of the nation.

HIS 302 (3-3-0) The Rise of Modern America, 1914 to the Present

A study of the United States as a modern industrial nation and world power particularly since 1945.

HIS 311 (3-3-0) Modern European History, 1648-1815

A basic survey of the political, economic, social and cultural developments in Europe from the Treaty of Westphalia to the Congress of Vienna.

HIS 312 (3-3-0) Modern European History, 1815-present

Continuation of the survey of European history in the 19th and 20th centuries to the contemporary period.

HIS 321 (3-3-0) American Social History

The daily life, institutions, intellectual and artistic achievements of the Agrarian Era, 1607-1861; major emphasis on the Urban-Industrial Era from 1861 to the present.

HIS 322 (3-3-0) Ethnic Minorities in American Urban History

An examination of the impact of urban America on the history of minority groups in the United States, the relationship between the urban social order and the condition of minority groups since 1900 and considering the contributions of ethnic groups to the American city.

HIS 323 (3-3-0) Oral History

Basic oral history techniques including interviewing, transcribing and conducting a narrative. Designed for all history and social science majors.

HIS 331 (3-3-0) History of Modern East Asia

Introduction to the modern history of China from the decline of the Manchu Dynasty (about 1800) to the victory of the Red Army in 1949; and the history of modern Japan from 1853 to 1945.

HIS 340 (3-3-0) American Diplomatic History

American diplomacy from the colonial period to the present. Emphasis on U.S foreign relations in the twentieth century.

HIS 350 (3-3-0) History of Latin America
The institutions and the political, social and economic problems of contemporary states of Latin America.

HIS 351 (3-3-0) Ancient History
The origins, development and contributions of the Ancient Near Eastern, Greek and Roman civilizations to the fall of Rome.

HIS 352 (3-3-0) North Africa and the Middle East
Islamic culture and civilization around the southern and eastern rim of the Mediterranean from the seventh century to the present.

HIS 360 (3-3-0) European Military History
Evolution of the military profession in the European-Western tradition from ancient Greece to the post World War II era. Examination of European military strategy, tactics, doctrines, technology, concepts and philosophy; to include the Roman experience, medieval armies, the Thirty Years War, World War I, and World War II.

HIS 362 (3-3-0) American Military History
Evolution of the American military profession from colonial times to the post World War II era. Examination of American military strategy, tactics, doctrines, technology, concepts, and philosophy; to include study of the Civil War, World War I, and World War II.

HIS 370 (3-3-0) Africa South of the Sahara
Survey of ancient, medieval, colonial and modern civilizations and states in Africa, with emphasis on sub-Sahara regions; problems of the African heritage and the rebirth of contemporary African cultures.

HIS 371 (3-3-0) The Renaissance and Reformation, 1300-1648
The rise of individualism and humanistic thought after 1300; the fragmentation of religious and political authority in Europe; the reformation and religious wars to the Treaty of Westphalia.

HIS 372 (3-3-0) Women in the Western World
A survey of the changes in the status of women in Western society from ancient times to the contemporary age. Special attention will be focused on inter-group differences today.

HIS 380 (3-3-0) Medieval Europe
The Latin Christian community of Europe from the fourth to the twelfth century; characteristics of medieval political organization and socioeconomic life; the formative influence of the church; the cultural legacy of the Middle Ages.

HIS 390 (3-3-0) North Crolina History
An examination of the history of the Tar Heel state from its origins to the present. (Strongly recommended for students in social studies/intermediate education.)

HIS 400 (3-3-0) History of the South
Development of the southern United States since 1820. Special emphasis is given to race relations and industrial growth of the region in the mid-20th century.

HIS 410 (3-3-0) Survey of American Urban History
An examination of the forces that have shaped the development of the American city from the colonial era to the present. Inquiry into the social, economic and political effect of urban life on city dwellers.

HIS 430 (3-3-0) Twentieth Century Europe
A study primarily focused on contemporary European issues (since 1945), and their origins in the World Wars and the social and political upheavals of the 20th century.

HIS 431 (3-3-0) Russia to 1917
An examination of the politics and society in Imperial Russia and its collapse in Revolution in 1917.

HIS 432 (3-3-0) History of the Soviet Union
The development of the Soviet system since the Revolution and Soviet foreign policy.

HIS 441 (3-3-0) History of England
A study of the development of modern England from the English Revolution to the present with emphasis placed on the rise and fall of the British empire and the evolution of the Parliamentary system.

HIS 442 (3-3-0) History of Modern Germany
German history in five periods: before unification (1815-1870); under Bismark; under Wilhelm II; between the wars; since 1945.

HIS 451 (3-3-0) The French Revolution and Napoleon
Collapse of the ancient regime, its causes and effects; Napoleon's attempt to establish a new order in Europe under French hegemony; the Congress of Vienna, etc. *Prerequisites: Senior standing.*

HIS 460 (3-3-0) Problems in American History
A consideration of selected controversial issues in American history. *Prerequisites: Senior standing.*

HIS 470 (3-3-0) Colonialism and Neo-Colonialism
Readings and discussions on the political economic and stategic interest of the Great Powers in colonies and former colonial possessions in the nineteenth and twentieth centuries. *Prerequisites: HIS 311, 312, 331, or 332.*

HIS 480 (3-3-0) Problems in European History
Survey of selected problems and issues in the history of Europe. *Prerequisites: Senior standing.*

HIS 490 (3-3-0) Senior Seminar: Selected Topics
Supervised reading and research in areas of special interest.

HIS 491 (3-3-0) Methods of Historical Research
A course on conventional methods of historical research and an introduction to such new techniques as oral history, family history and quantitative history.

HISTORY AND POLITICAL SCIENCE (H/P)

H/P 300 (3-3-0) Contemporary Afro-American Politics
Selected issues of Afro-America in America, with emphasis on contemporary political organizations and activities of Afro-America.

H/P 310 (3-3-0) Political History of Contemporary China
Political development in China from the Revolution of 1911 through the consolidation of power by Mao-tse-Tung in the post war period to the present.

H/P 341 (3-3-0) Constitutional Law and History
Basic principles of the constitutional system, with particular emphasis upon cases that deal with the framework of the American federal system.

H/P 342 (3-3-0) Civil Rights and the Constitution
A case study of constitutional principles and their application affecting individual civil rights.

H/P 440 (3-3-0) Modern Ideologies
Study and comprehension of the principle modern ideologies: capitalism, communism, fascism, socialism.

HUMANITIES (HUM)

HUM 211 (3-3-0) Music, Art, and Ideas
An interdisciplinary survey course in which works of art, literature, music, philosophy, and

religious thought are examined. Students will gain an understanding of major stylistic developments and intellectual movements from the ancient world to the Renaissance. It is recommended, though not required, taht a student complete Humanities 211 before enrolling in Humanities 212. *Prerequisites: Sophomore standing or consent of instructor.*

HUM 212 (3-3-0) Music, Art, and Ideas
An interdisciplinary survey course in which works of art, literature, music, philosophy, and religious thought are examined. Students will gain an understanding of major stylistic developments and intellectual movements from the Ranaissance to the twentieth century. It is recommended, though not required, that a student complete Humanities 211 before enrolling in Humanities 212. *Prerequisites: Sophomore standing or consent of instructor.*

INTERDISCIPLINARY STUDIES (IDS)

IDS 200 (2-2-2) Working with Gifted Children
This course is designed to provide students with supervised experiences of working with gifted children. Students will play a major role in guiding and instructing gifted children under the direction and supervision of assigned university, faculty, and parents participating in the Parents for the Advancement of Gifted Education Saturday Morning Program (PAGESM). The IDS 200 course is open to all students as a free elective. The students must be approved by their respective faculty supervisor.

IDS 330 (3-3-0) Death and Dying
This course focuses on the institutions and activities which man has developed to help him confront the problem of death. Attention is given to contemporary attitudes and the problems caused by this attitude. In addition, this course concentrates on four major concerns with death and dying: improving attitudes toward death, preparing for one's own death, care for dying persons, and coping with the death of loved ones.

IDS 340 (3-3-0) Black Women in America: 1958-1978
This course is designed to explore the Black Civil Rights Movement and Feminism, one of the most significant political and literary movements of the last twenty years. Attention is given to black women as they converge in the histories and writings of black women.

IDS 350 (3-3-0) Environmental Studies
This course focuses on the historical and scientific implications of man's relationship to his environment. Attention is given to contemporary problems of the environment, and some proposed solutions to these problems. Both the problems and solutions will be examined from the combined standpoint of the natural scientist and the historian. The policies and functions of the Environmental Protection Agency and other selected local and state government agencies impacting on environmental problems and control will be studied.

IDS 360 (3-3-0) Institution Racism and Poverty
This course is designed to employ language, literature, history, psychology and sociology to explore institutional racism in America. The entree and primary means of exploration will be the English language particularly 'Black English'. The elemental link between language, literature, history, psychology and sociology will be used in the description and analysis of the ideological and institutional basis for racism, its historicity, its diverse manifestations in American society. Considerable attention will be given to the various strategies that have been posited to combat institutional racism and poverty.

IDS 370 (3-3-0) Bioethics
This is an interdisciplinary course designed to focus attention on the biological nature of man, his ethical values, and their relationship to man's survival. Through assigned readings, discussions, and lectures, students will address such topics as: Human identity, Quality of Life, Heredity and Environment in Shaping Man's Nature, and Ethical Values in a Constantly Changing Culture.

IDS 380 (3-3-0) Issues in Popular Culture
This course is designed to focus on the issues that result when our government makes domestic and foreign decisions that affect the lives of people in the popular culture. This course highlights four major areas of government — local, state, national, and international — and deals with issues such as health services, revenue sharing, energy conservation and third world diplomacy. These and other issues will be discussed and analyzed from an interdisciplinary approach.

IDS 390 (3-3-0) Mass Media and Society
This course is designed to investigate the development and impact on mass culture and society on different mass media such as radio, television, motion pictures and print.

IDS 410 (3-3-0) Human Sexuality
This course focuses on human sexual behavior and seeks to increase the knowledge of our students about this powerful need thus increasing the possibility toward a better adjusted sexual orientation. The importance of over-population in our society with its political, economical and theological overtones makes human sexuality a vital concern. The general interest that is manifested when research books like the Kinsey Report and Human Sexual Inadequacy become best sellers is further evidence of the interest in the subject. The course will provide basic sexual behavior information dealing with sex as an important psychological need, contraception, family planning, and will delve into the social comparison process. The course will deal with Survey and Experimental Research considering the efficacy of each method.

MANAGEMENT (MGM)

MGM 311 (3-3-0) Principles of Management
Emphasis on the bases and principles of management including planning, organizing, staffing, directing, controlling; also the role of the manager in the changing environment. *Prerequisites: ECO 211.*

MGM 320 (3-3-0) Small Business Management
An introduction to the environment of the small business. Attention will be directed to the growing business in which one or a few people face the challenge of developing an enterprise with limited financial resources. Cases, readings, and discussions will focus on problems and principles involved in small business such as analysis of legal organization forms, location, product market determination, financial taxation, and human relations aspects. *Prerequisites: ECO 211.*

MGM 330 (3-3-0) Production Management
A study of plant location and design, internal organization for operations, production planning and control, stores control, routing and handling materials; quantitative approaches; operations research. *Prerequisites: ECO 211.*

MGM 340 (3-3-0) Hotel and Motel Management
A study of principles and practices related to management and operations of hotels and motels.

MGM 410 (3-3-0) Personnel Management
A study of personnel administration, its objectives, organization, functions, and role in the operation of business enterprises giving consideration to key problems in the areas of employee selection, hiring, and placement; training; wage and salary administration; promotion transfer and separartion; and personnel services. *Prerequisites: ECO 211.*

MGM 420 (3-3-0) Human Relations in Business Practices
A study in understanding human behavior in business organizations including study of the concepts, theories and research findings in the behavioral aspects of management through discussion and case studies. *Prerequisites: MGM 311, ECO 211.*

MGM 430 (3-3-0) Business Policy
This capstone course focuses on the theoretical and practical knowledge acquired in previous undergraduate business administration core courses. The student is required to appraise and analyze the operations of a firm through the case method. Attention is directed to understanding the company's relative skills, existing operations, competitive environment, marketing, finance, management, organizational structure, control systems, and corporate strategy. *Prerequisites: MGM 311, FIN 311, MKT 310.*

MGM 590 (3-3-0) Management of Organizations
A study of fundamental principles associated with managing organizations. Attention is directed to planning, organizing, staffing, directing, and controlling the organization's human and economic resources. Course also includes an examination of the historical development of organization.

MGM 610 (3-3-0) Administration of the Firm

Basic process of management, including organization, the structure of plans and decisions, personal leadership, appraisal and control, combined to form an integrated picture of the executive job. *Prerequisites: MGM 490 or equivalent.*

MGM 611 (3-3-0) Organizational Behavior

Relationship between the individual and the organization examined — leadership, motivation, communication, group dynamics, decision making, interpersonal relations and change. Emphasis on the development of effective work groups in business, and effects of change and informal organization. Various approaches include lectures, cases, examinations of research, and field work. *Prerequisites: MGM 510 or equivalent.*

MGM 612 (3-3-0) Quantitative Methods for Business

A survey of modern quantitative methods of decision making covering theory, payoff matrixes, and decision trees; decision criteria; inventory problems under risk; linear programming; and dynamic programming. *Prerequisites: BAD 591 or the equivalent.*

MGM 620 (3-3-0) Management Information Systems

A computer based approach to planning, design, implementation and evaluation of information systems in complex organizations, with emphasis on manufacturing and service systems. *Prerequisites: MGM 610 and consent of instructor.*

MGM 630 (3-3-0) Business and Society (Social Responsibility of Management)

Relation of business to the social system and its total environment in a global economy. Criteria for appraising the social responsibility of management decisions. Business strategies for social responsibility. *Prerequisites: Consent of instructor.*

MGM 640 (3-3-0) Business Strategy and Formulation

The final core course, designed to develop a framework of analysis for long-term policy formulation in a global economy. Case materials are used to apply concept and techniques learned earlier in earlier courses focusing on marketing, accounting, finance, management, and production. *Prerequisites: Consent of instructor.*

MGM 660 (3-3-0) International Business Management

Management concepts and practices of multinational and foreign firms. Objectives, strategies, policies, and organizational structures of corporations engaged in various social, economic, political, and cultural environments. *Prerequisites: Consent of instructor.*

MGM 670 (3-3-0) Industrial Management

Case studies in principles and techniques of facility location and layout, production planning and quality control, with emphasis on computer usage. *Prerequisites: BAD 591, MGM 610 or equivalents.*

MGM 680 (3-3-0) Leadership in Organization

Analysis and development of leadership theory and thought. Identifies and evaluates leaders in formal and informal organizations. Case materials and business games are used to develop and enhance leadership quality. *Prerequisites: MGM 610.*

MGM 690 (3-3-0) Human Resource Management

The dilemmas, conflicts, and challenges associated with the employment relationship. The functions of recruiting, selecting, training and appraisal; remuneration, discipline, promotion and development; job design and quality of work life, and job security. *Prerequisites: MGM 610.*

MARKETING (MKT)

MKT 310 (3-3-0) Marketing

A study of the principles of marketing; current practices and structure of the market; analysis of marketing functions, institutions, costs, and marketing legislations. *Prerequisites: ECO 212.*

MKT 321 (3-3-0) Salesmanship

An introduction to selling with emphasis placed on the basic principles underlying the sales process and their application to the problem of salesmen. *Prerequisites: MKT 310.*

MKT 322 (3-3-0) Advertising

Principles of advertising and a study of advertising media, discussing special problems of small business concerns including appropriations and planning, aimed at acquainting the student with the development of advertising and its economic significance to the consumer and to the advertiser. *Prerequisites: MKT 310.*

MKT 330 (3-3-0) Retailing

Survey of retailing and its role in distribution. Problems of administrative organization, store location, layout, buying, pricing, merchandising, and sales promotion are to be discussed. Current trends in retailing are explored. *Prerequisites: MKT 310.*

MKT 331 (3-3-0) Consumer Behavior

A survey of the theories of consumer behavior. Contributions from the social services and their applications to the marketing discipline. *Prerequisites: MKT 310.*

MKT 410 (3-3-0) Marketing Cases and Problems

Organization and coordination of the total marketing program — sales, advertising, credit, marketing and consumer research, materials management, planning and policy determination, including distribution policies, cost analysis, pricing, sales forecasting and demand analysis, governmental regulations affecting marketing, and adjusting to competitive trends and changing market conditions. Several case studies will be used. *Prerequisites: MKT 310.*

MKT 412 (3-3-0) Sales Management

The study of the functions of a sales department within the marketing organization. Included are organization, recruiting, selecting, training, motivating, supervising, compensating, and evaluating sales personnel. *Prerequisites: MKT 310.*

MKT 421 (3-3-0) International Marketing

A survey of the structure, techniques, problems and general environment of marketing abroad. Subjects include organization, promotion, finance, legal aspects and operations of the multinational corporation. *Prerequisites: MKT 310.*

MKT 460 (3-3-0) Marketing Research

Application of scientific methods of obtaining information for structuring policies and techniques: emphasis on role of research in the solution of marketing problems. *Prerequisites: BAD 312, MKT 310.*

MKT 590 (3-3-0) Marketing Management

Organization and coordination of the total marketing program — sales, advertising, credit, marketing and consumer research, materials management, planning and policy determination, including distribution policies, cost analysis, pricing, sales forecasting and demand analysis, governmental regulations affecting marketing, and adjusting to competitive trends and changing market conditions. Several case studies will be used.

MKT 610 (3-3-0) Marketing Planning & Strategy

Implications for the development, planning, and evaluation of marketing strategies for products and services at various life cycle stages on a national and international basis. Emphasis is on development and evaluation of marketing programs. *Prerequisites: MKT 590 or equivalent.*

MKT 620 (3-3-0) International Marketing Strategy

Methods applied to estimate market potential and to serve markets outside the United States; methods to serve these markets through branches, warehousing operations, international brokers and traders and foreign affiliates; adaptations to markets in countries with different cultural, political and economics characteristics; review of marketing and distribution methods of a selected number of U.S. and foreign companies. *Prerequisites: Consent of instructor.*

MKT 630 (3-3-0) Promotion Management
Promotional mix components of personal selling, sales management, and advertising management follow examination of consumer behavior. Case analysis and team projects supplemented by lecture and discussion. *Prerequisites: Consent of instructor.*

MKT 660 (3-3-0) Marketing Analysis and Research
Intensive study of market structure and demand analysis for consumer and industrial goods, buyer and consumer behavior, and analysis of distribution systems with analytical techniques. *Prerequisites: Consent of instructor.*

MKT 670 (3-3-0) Seminar in Marketing
Individual research in a special field under the direction of a member of the department. *Prerequisites: Consent of instructor.*

MATHEMATICS (MAT)

MAT 106 (3-3-0) Basic Mathematics
A course covering the basic mathematical skills in detail, including an introduction to numbers, the structure of whole numbers, fractions, and decimals; and operations involving whole numbers, fractions and decimals with applications. Positive and negative numbers, percents, ratio and proportion, exponents, and measurements with applications are covered in detail. Special emphasis is placed on Cumulative (Drill) Practice, Laboratory, Application Problems, Achievement Tests and the most current proven methodologies of instruction. This course cannot be used to fulfill a degree requirement.

MAT 111 (3-3-0) Quantitative and Analytical Thinking I
A survey of the metric system, consumer mathematics, number sequences, geometry, equations and graphs, probability, statistics, and computers.

MAT 112 (3-3-0) Quantitative and Analytical Thinking II
A continuation of MAT 111, with additional work in quadratic equations and trigonometry. *Prerequisites: MAT 111.*

MAT 120 (3-3-0) Introduction to Contemporary Mathematics I
The first in the sequence of two courses designed for non-mathematics majors. Topics include: the real number system; sets and logic; elements of elementary algebra such as polynomials, operations, linear and quadratic equations and inequalities; functions, and graphing, and mathematical induction; plane geometry; basic computer programming; the metric system; and topics in consumer mathematics. The point of view is intuitive, with an emphasis on computational skills and applications.

MAT 121 (3-3-0) Introduction to Contemporary Mathematics II
A continuation of MAT 120 with topics selected from: elements of elementary algebra such as algebraic, exponential and logarithmic functions, complex numbers, properties of functions, system of linear equations, vectors, matrices, and determinants; linear programming; permutations, combinations and the binomial theorem; probability; statistics; analytic geometry; plane trigonemetry; and introductory elements of the calculus. The point of view is intuitive. *Prerequisites: MAT 120.*

MAT 123 (3-3-0) College Algebra
A college-level algebra course containing the following topics: sets, the real number system, exponents, radicals, polynomials, equations, inequalities, relations and functions, graphing, conic sections, exponential and logarithmic functions, systems of equations, complex numbers, mathematical induction, and the binomial theorem. *Prerequisites: High School Algebra I, II and Plane Geometry, or equivalent, and satisfactory placement score.*

MAT 124 (3-3-0) College Trigonometry
A college-level trigonometry course containing the following topics: trigonometric functions defined on angles, circular functions, graphs, inverse trigonometric functions, identities, equations, law of cosines, law of sines, polar coordinates, and complex numbers. *Prerequisites: High School Algebra II and Plane Geometry, or MAT 123 or equivalent and placement score.*

MAT 131 (3-3-0) Algebra and Trigonometry (Honors)

A pre-calculus course for well-prepared students, consisting of a rapid presentation of college level algebraic and trigonometric concepts and functions. *Prerequisites: High School Algebra II and Trigonometry and placement score.*

MAT 140 (4-4-0) Applied Calculus

A course designed for business, and social science majors. It covers limits and derivatives, techniques of differentiations, applications, and definite integral, applications and integration techniques. *Prerequisites: MAT 123 and MAT 124 or MAT 131.*

MAT 142 (4-4-0) Calculus with Analytic Geometry I

The first of three semesters of a unified course in calculus with analytical geometry. Topics include rectangular coordinates in the plane, graphs, algebraic curves including conic sections and other examples by general discussion methods. Also introduced are functions, limits, continuity, differentiation of algebraic functions, with applications of derivatives. *Prerequisites: MAT 123 and MAT 124 or equivalent.*

MAT 241 (4-4-0) Calculus with Analytic Geometry II

The second of three semesters of a unified course in calculus with analytic geometry. Topics include the integral of trigonometric, exponential, logarithmic, and hyperbolic functions; and methods of integration. *Prerequisites: MAT 142.*

MAT 242 (4-4-0) Calculus with Analytic Geometry III

The third of the three semesters of a unified course in calculus with analytic geometry. Topics include areas, volumes, lengths of curves, centroids, moments of inertia, infinite series and expansion of functions, solid analytic geometry and partial differentiation; multiple integrals in rectangular, cylindrical and spherical coordinates. *Prerequisites: MAT 241.*

MAT 251 (3-3-0) Linear Algebra

Concepts studied are: systems of linear equations, matrix theory, vector spaces, bases and linear transformations. *Prerequisites: MAT 142 or consent of the area.*

MAT 262 (3-3-0) Modern Geometry

Concepts to be studied are: incidence geometry in planes and space, distance and congruence, separation in planes and space, angular measure, congruences between triangles, parallel postulate and parallel projection, similarities between triangles. *Prerequisites: MAT 142.*

MAT 312 (3-3-0) History of Mathematics

A survey of the development of mathematics with biographic references, national achievements and discussion of mathematics interest. *Prerequisites: MAT 142.*

MAT 331 (3-3-0) Differential Equations I

Emphasis on the solution of ordinary linear differential equations and some partial differentials. Attention to the methods of numerical analysis of non-linear equations. Applications to science and engineering stressed. *Prerequisites: MAT 242.*

MAT 332 (3-3-0) Differential Equations II

Continuation of MAT 331. *Prerequisites: MAT 331.*

MAT 340 (1-6-0) Topics in Mathematics

May be repeated for additional credit with the approval of the area. A course designed to serve particular needs not served by other departmental offerings, such as the needs of the National Science Foundation Institute for Teachers. Topics chosen from such fields as set theory, linear algebra and geometry, and probability. *Prerequisites: Consent of the area.*

MAT 351 (3-3-0) Probability and Statistics

Sample spaces and probability measure. Random variables. The addition and multiplication principle. Simple description statistics. Repeated trials and the binomial distributions. The normal

reproductive law. Vibariate distributions and the least squares. Coefficient of correclation. The use of confidence intervals for statistical inference. *Prerequisites: MAT 241.*

MAT 361 (3-3-0) Introduction to Modern Algebra I

Algebraic quotient and polynomial rings, ideals, groups, rings, fields, vector spaces and linear transformations. Classification of quadratic forms, determinants, systems of linear equations and Euclidean algorithms. *Prerequisites: MAT 390.*

MAT 362 (3-3-0) Linear Programming

Continuation of MAT 361. *Prerequisites: MAT 361.*

MAT 372 (3-3-0) Linear Programming

A study formulating physical problems in management planning, scheduling and control into a mathematics model using linear equalities and inequalities to be solved using a digital computer. The course includes these steps: defining the problem and the objectives to be achieved by its solution, formulating a mathematical model of th physical system, verifying the linearity of such expression, analyzing the solution, and selecting the most desirable of all alternatives for the course of action. *Prerequisites: MAT 251.*

MAT 390 (3-3-0) Set Theory

A rigorous study of axiomatic set theory. Topics include ordinal numbers, transfinite induction, cardinal numbers, cardinal arithmetic, and the Axiom of Choice. *Prerequisites: MAT 242.*

MAT 400 (3-3-0) Diagnostic and Prescriptive Mathematics

An examination of diagnostic teaching in the context of a general approach to mathematics instruction. Provision will be made to strengthen the background in mathematics and instructional psychology to enable the student to attain a high level of competence.

MAT 412 (3-3-0) Advanced Calculus

A detailed and rigorous discussion of the nationals of limit, continuity, properties of continuous functions, mean value theorem and Taylor's Formula. *Prerequisites: MAT 242.*

MAT 432 (2-6-0) Reading and Honors in Mathematics

A course designed to meet the needs of seniors and/or honor students in mathematics by introducing methods of research and independent study.

MAT 433 (1-6-0) Mathematical Concepts for Intermediate School Teachers

Sets, development of the real number system, measurements, attribute blocks, cuisenaire rods, elements of geometry, computer utilization, motivational games. This course is designed to meet the needs of the pre-service and in-service teacher.

MAT 440 (3-3-0) Statistics

Measure of central tendency, dispersion, regression, equations, correlation, reliability, index numbers, normal probability curve, sampling. *Prerequisites: MAT 142 or consent of instructor.*

MAT 450 (3-3-0) Selected Topics in Mathematics

Topics chosen from such fields as topology, advanced calculus, complex analysis, or modern algebra. May be repeated for credit with approval of area.

MAT 461 (3-3-0) Theory of Real Variables

A rigorous treatment of limits, function, continuity, differentiability and infinite series. Introduction to the Rieman-Stelties integral and Lesbesque theory. Recommended for prospective graduate students. *Prerequisites: MAT 390.*

MAT 472 (3-3-0) Theory of Numbers

Elementary properties of integers, divisability, Euclid's Algorithm, prime numbers, congruences. *Prerequisites: MAT 241.*

MAT 481 (3-3-0) Introduction to Topology

A course to acquaint the student with the best topics in the field of point set topology. Introduction to general topological spaces, metric spaces, and a study of various topological properties. *Prerequisites: MAT 390.*

MAT 492 (3-3-0) Complex Variables

Elementary functions, differentiation and integration of analytic functions, Taylor and McLaurin series, contour integration and residual theory, conformal mapping, Schwartz-Christoffer transformation. *Prerequisites: MAT 412.*

MEDICAL TECHNOLOGY (MED)

MED 200 (2-2-0) Medical Terminology

A comprehensive study of the language of medicine involving a study of the use of terms related to all areas of medical science. *Prerequisites: One year of college level science and permission of instructor.*

MED 451* (3-2-2) Clinical Microscopy

Study of techniques used in the chemical and microscopic evaluation of urine.

MED 542* (3-2-2) Serology

Study and practice of serological diagnostic tests.

MED 460* (6-1-5) Hematology

Clinical laboratory evaluation of the normal and pathologic morphology of blood and blood forming organs.

MED 462* (4-3-3) Blood Bank

Study of basic principles of blood coagulation: Includes laboratory practice in type and cross matching of blood.

MED 470* (8-3-5) Microbiology

Study of the morphology and physiology of bacteria, fungi and parasites. Includes the study of defense mechanisms and preparation of culture media and techniques for identification.

MED 472* (8-3-5) Clinical Chemistry

Diagnostic analysis of blood and body fluids.

*Offered at Schools of Medical Technology (Hospitals)

MUSIC (MUS)

MUS 010 (0-1-0) Applied Music

A course designed for students who are at the very basic area in performance.

MUS 020 (0-1-0) Applied Music

A course for those students who have shown through performance that they have concepts of basic performance practices but who are not at the expected level of freshmen music majors.

MUS 100 (0-2-0) Basic Musicianship

A study of the rudiments of music, major and minor scales, intervals, simple chords, rhythmic drills, etc. For music majors only.

MUS 102 (1-2-0) Class Piano

A class piano course designed to give the non-piano major a basic understanding of keyboard harmony and technique. The first year is devoted to becoming familiar with the five-finger major hand positions, memorizing several short compositions, sight-reading and combining staccato and legato playing. For music majors only.

MUS 110 (1-5-0) Choir

The University Choir is open to all students who enjoy singing. Repertoire will be chosen from all

periods of music including pop, spiritual, and gospel selections. Vocal techniques, choral diction, and performance styles and practice will be studied. The choir performs at various University and community activities during the academic year. Several tours are planned taking the choir to many areas in North Carolina and other states. Required for music majors each term in residence*

MUS 120 (1-0-2) Brass Ensemble
Open to all students. Audition and permission of instructor. Perform small ensemble compositions written for various combinations of brasswind instruments.

MUS 130 (1-0-2) Woodwind Ensemble
Open to all students. Audition and permission of instructor. Perform small ensemble compositions written for various combinations of woodwind instruments.

MUS 140 (1-0-2) Jazz Ensemble
Open to all students. Audition and permission of instructor. A major performing organization of the University that includes instruction in improvisation and arranging. Repertoire varied to include a wide array of music from jazz to fusion and popular styles.

MUS 150 (1-2-0) Opera Workshop
Study and performance of scenes, acts and/or operas from both the standard repertoire and operas of primarily historical interest.

MUS 152 (3-5-0) Harmony, Sight Singing and Ear Training I
A course including the basic elements of harmony: triads and seventh chords in root position and all inversions; major, minor and chromatic scales; rhythm; meter; and intervals. Sight singing, ear training, and melodic dictation. Keyboard harmony will be stressed throughout the course of study. For music majors only. *Prerequisites: MUS 100 or advanced placement by exam.*

MUS 167-
MUS 178 (1-0-1) Applied Brass
Freshman year sequence. Diagnoses and recommendations for proper playing habits. Embochure development, tonal studies, scales, arpeggios. Minimum of five hours practice per week.

MUS 169-
MUS 180 (1-0-1) Applied Organ
Freshman sequence. Elements of manual and pedal technique; easy preludes and offertories. Studies by Gelason, Nilsen, etc.; Bach Little Preludes and Fugues; hymn playing and service playing.

MUS 171-
MUS 182 (1-0-1) Applied Piano
Freshman sequence. The first year of piano is devoted to acquiring a firm technical foundation through the use of various drills and exercises. Repertoire studied during the first year would include pieces on the level of Clementi Sonatinas, Op. 36; the Notebook for Anna Magdalena Bach; or the easier Bach Two-part Inventions. Major and minor scales in contrary and parallel motion will be introduced.

MUS 173-
MUS 184 (1-0-1) Applied Percussion
Freshman year sequence. Diagnoses and recommendations for proper playing habits. Introduction to mallet percussion instruments. Minimum of five hours practice per week.

MUS 175-
MUS 186 (1-0-1) Applied Strings
Freshman year sequence. Diagnoses and recommendations for proper playing habits. Bowing and fingering methods, three playing positions, scales, arpeggios, tone, vibrato. Minimum of five hours practice per week.

MUS 177-
MUS 188 (1-0-1) Applied Voice
Freshman year sequence. Vowels and basic fundamentals of tone production are instructed. Information concerning correct breathing and posture, vocalises and eary secular and sacred songs are studied.

MUS 179-
MUS 190 (1-0-1) Applied Woodwinds
Freshman year sequence. Diagnoses and recommendations for proper playing habits. Embochure development, tonal studies, scales, arpeggios. Minimum of five hours practice per week.

*For voice and keyboard majors.

MUS 191 (1-0-5) Marching Band
Open to all students. Audition and permission of instructor. A major performing organization of the University. Functions in parades, other events, and at football games both at home and in other states. Required for music majors each term in residence.*

MUS 192 (1-0-5) Concert Band
Open to all students. Audition and permission of instructor. A major performing organization of the University. Performs varied styles and genres of music in concerts locally and other cities. Required for music majors each term in residence.

MUS 200 (3-3-0) Music Fundamentals for Classroom Teachers
A course in the basic fundamentals of music notation, music reading, and primary keyboard skills. *Prerequisites: 340-350 for non-music majors.*

MUS 201 (1-0-2) Class Piano II
Continuation of MUS 102. *Prerequisites: MUS 102.*

MUS 202 (1-0-2) Class Piano II
Primary chords in all keys will be studied along with the major and harmonic minor scales and major and minor arpeggios in two octaves. Four-part chordal texture, sight-reading using chord symbols, and accompanying patriotic songs will be stressed. *Prerequisites: MUS 201.*

MUS 210 (3-3-0) Music Appreciation
An introduction to the basic materials and ideas of music. The relationship of music to society, culture and philosophy is stressed. Students are introduced to musical instruments and contributions of important composers are indicated and illustrated. Style characteristics and forms of various types of music are outlined and discussed. Listening is a primary activity of the class, as is recital attendance.

MUS 241 (1-0-2) Class Strings
A study of the basic concepts of playing and teaching the bowed string instuments. Minimum performance skills on each of the instruments (violin, viola, violoncello and bass viol), as well as the information on the techniques of organizing, recruiting and teaching string classes and orchestras in the public schools are taught.

MUS 242 (1-0-2) Class Woodwinds
Includes playing the flute, clarinet, oboe, bassoon, and saxophone to acquire a practical, working knowledge of the woodwind family. Characteristics and functions of each woodwind instrument will be covered in readings, lectures, and demonstrations to provide basic skills needed to teach these instruments in public schools.

MUS 251 (1-2-0) Class Voice I
Group instruction in the fundamentals of singing. Breath control, postures, tone production, and beginning vocal repertoire are studied. Class performance required.

MUS 252 (1-0-2) Class Voice II
Techniques started in MUS 251 will be continued. New material includes basic diction, consonant and vowel production and extension of vocal and dynamic range through exercises and repertoire. *Prerequisites: MUS 251.*

MUS 262 (1-2-0) English and French Diction
A course designed for the study of English and French enunciation, pronunciation, and articulation as applied to the performance of vocal literature.

MUS 267-
MUS 278 (1-0-1) Applied Brass
Sophomore year sequence. Technical studies and development of recital literature repertoire. Perform on student recitals and minimum ten hours practice per week.

MUS 269-
MUS 280 (1-0-1) Applied Organ
Technique; repertoire. Bach Little Preludes an Fugues, Orgelbuechlein; Brahms Choral Preludes;

*For band and string majors.

Vierne and Widor; other standard works. Hymn playing and some memorization.

MUS 269-
MUS 280 (1-0-1) Applied Piano
Technique repertoire on the level of Beethoven Sonatas Op. 49, Nos. 1, 2; Bach Two and Three-Part Inventions; Chopin Mazurkas, Waltzes; and Bartok Mikrokosmos Volumes III and IV will be studied. Major scales and minor scales in contrary and parallel motion will be performed.

MUS 273-
MUS 284 (1-0-1) Applied Percussion
Sophomore year sequence. Technical studies and development of recital repertoire on mallet percussion instruments including timpani. Perform on student recitals and minimum ten hours practice per week.

MUS 275-
MUS 286 (1-0-1) Applied Strings
Sophomore year sequence. Technical studies and development of recital literature repertoire. Perform on student recitals and minimum of ten hours practice per week.

MUS 277-
MUS 288 (1-0-1) Applied Voice
The continuation of tone production and other principles of singing. Literature and various vocalises are taught. English, Italian, and French songs are included.

MUS 279-
MUS 290 (1-0-1) Applied Woodwinds
Sophomore year sequence. Technical studies and development of recital literature repertoire. Performance on student recitals and minimum ten hours practice per week.

MUS 281 (3-5-0) Harmony, Sight Singing and Ear Training II
Advanced areas of harmony are introduced. Included are 2nd inversion triads, seventh chords, non-harmonic tones, cadences, modulation and four-part writing. Sight-singing, ear training, and keyboard work continue. Class meets five days a week. *Prerequisites: MUS 152.*

MUS 292 (3-5-0) Harmony, Sight Singing and Ear Training III
Further study of harmonic materials of previous theory courses and secondary dominant progressions, modulation, binary and ternary forms, and borrowed work, keyboard harmony, sight singing and ear training, analysis and creative work. *Prerequisites: MUS 281.*

MUS 321 (1-0-2) Class Piano IV
The final course in the Class Piano sequence. Upon completion of this class, the student will have a basic knowledge of keyboard techniques with enough facility to utilize those techniques in his or her teaching responsibility. *Prerequisites: MUS 202.*

MUS 340 (3-3-0) Early Childhood Music
Curriculum, materials and procedures for the classroom teacher in grades K-3. Non-music majors. *Prerequisites: MUS 200.*

MUS 341 (1-0-2) Class Brass
Basic concepts, techniques, and information related to teaching brass instruments — trumpet, French horn, trombone, euphonium, tuba — in public schools.

MUS 342 (1-0-1) Class Percussion
Basic concepts, techniques, and information related to teaching tuned and untuned mallet and keyboard percussion instruments and drums in public schools.

MUS 350 (3-3-0) Music in the Intermediate School
A course for intermediate education majors. A study of music fundamentals and skills needed for a classroom teacher. Emphasis is placed on the methods, experiences and materials for children's development from the fourth through eighth.

MUS 351 (3-3-0) Music History I
A survey of the development of music from antiquity through the seventeenth century. For music majors or minors only.

MUS 352 (3-3-0) Music History II
A course designed for the development of music from the culmination of the Baroque era in the early eighteenth century up to the present day. Stress is given to performance practices and major composers of the late Baroque, the Rococo,the Viennese Classical School, Romanticism, Post-Romanticis, Impressionism, and the diverse trends in 20th century concert music. For music majors only.

MUS 361 (1-2-0) Italian and German Diction
A course designed for the study of Italian and German enunciation, pronunciation, and articulation as applied to the performance of vocal literature.

MUS 362 (2-2-0) Counterpoint
Analysis of contrapuntal examples from the 16th, 19th and 20th centuries, with emphasis on the inventions and fugues of Bach. Some writing and playing. *Prerequisites: MUS 381.*

MUS 367-
MUS 368 (2-0-1) Applied Brass
Junior year sequence. Technical studies and development of recital literature repertoire. Students recital performance and minimum of ten hours practice per week. Range extension exercises.

MUS 369-
MUS 380 (2-0-1) Applied Organ
Advanced literature, including works of Bach, Buxtehude, Handel, Mendelssohn, Franck, Widor, etc. Elements of church service playing, hymn playing, anthem accompaniment, and an acquaintance with liturgical orders of service and special services. Performance from memory.

MUS 371-
MUS 382 (2-0-1) Applied Piano
Continuation of technical studies. Students will develop an understanding of compositional form and performance style by performing and listening to works from the various historical periods. Selected repertoire would include Bach Preludes and Fugues from the Well-Tempered Clavier, Haydn Sonatas, Cophin Nocturnes, Brahms Intermezzos, and Bartok Mikrokomos Vol. V, or Bartok Sanatina.

MUS 373-
MUS 384 (2-0-1) Applied Percussion
Junior year sequence. Technical studies and recital literature repertoire development. Perform on student recitals and minimum of ten hours per week. Marimba, timpani.

MUS 375-
MUS 386 (2-0-1) Applied Strings
Junior year sequence. Technical studies and recital literature repertoire development. Perform on student recitals and minimum of ten hours practice per week.

MUS 377-
MUS 388 (2-1-0) Applied Voice
A more comprehensive study of English, Italian, French and German songs. The student should be in the process of building his repertoire for the senior recital.

MUS 379-
MUS 390 (2-0-1) Applied Woodwinds
Junior year sequence. Technical studies and recital literature repertoire development. Perform on student recitals and minimum of ten hours practice per week.

MUS 381 (3-5-0) Harmony, Sight Singing and Ear Training IV
Advanced harmonic materials, including diminished seventh, Neapolitan sixth, and augmented sixth chords. Knowledge of harmonic materials is applied through part-writing, original composition, analysis, and keyboard harmony. Continuation of sight singing and ear training activities. *Prerequisites: MUS 292.*

MUS 391 (2-2-0) Conducting (Elementary)
Development of manual technique, score study and listening skills as related to the conducting of instrumental and vocal ensembles. *Prerequisites: MUS 391.*

MUS 392 (2-2-0) Advanced Conducting
Development of advanced technique, score study and listening skills as related to the conducting of instrumental and vocal ensembles. *Prerequisites: MUS 391.*

MUS 410 (1-2-0) Brass Literature
Listening, analysis, and evaluation of brass solo and ensemble music. Evaluation of technique development materials and scores of band and symphonic music.

MUS 420 (1-2-0) Choral Literature
A variety of choral literature is studied from 1450 through the twentiety century. Activities include listening and analyzing.

MUS 430 (1-2-0) Keyboard Literature
A study and listening of keyboard pieces from various musical eras. A study of composers, styles, and composition structure also included in the content body of this course.

MUS 431 (2-2-0) Orchestration
Arranging for band and orchestral ensembles. Methods and techniques of arranging for small ensembles, bands, and orchestras. Transposition and basic compositional principles. *Prerequisites: MUS 292.*

MUS 440 (1-2-0) Woodwind Literature
Listening, analysis, and evaluation of woodwind solo and ensemble music. Evaluation of technique development materials and scores of band and symphonic music.

MUS 441 (3-3-0) Methods and Materials (Elementary)
Curriculum, materials and procedures for music instruction in elementary and intermediate supervision as related to the specialist teacher. Open to music majors only.

MUS 450 (3-3-0) 20th Century Music
A survey of the diverse trends of 20th Century Music and the more important composers of each area. Impressionalism, Privativism, Neo-Classicism, Neo-Romanticism, Dko-decaphony, Aleatoric music, electronic and computer music. For music majors only.

MUS 460 (3-3-0) Afro-American Music
A study of traditional African music and its interaction with Western musical styles. Development of the blues, spirituals, gospel music, jazz idioms, and more recent Afro-American styles. A study of major Black composers and performers in both the concert and commercial areas.

MUS 461 (2-1-0) Class Guitar
Tuning, basic chords, music reading and improvisation of accompaniments are studied on the guitar. Basic right hand techniques are instructed. For music major and minors only.

MUS 462 (2-2-0) Music Composition
Basic instruction in musical composition. Writing in basic binary and ternary song forms, variation, sonata-allegro, and rondo forms. Integration of materials learned in harmony, counterpoint, and orchestration. *Prerequisites: MUS 381.*

MUS 467-
MUS 478 (2-0-1) Applied Brass
Senior year sequence. Senior recital preparation. Advanced technique development. Senior recital program repertoire approval in second semester course by instructor and music faculty committee.

MUS 469-
MUS 480 (2-0-1) Applied Organ
Continued repertoire works; larger and more difficult compositions from the general literature. Ensemble whenever possible. Composition in larger form registered by student, memorized and performed satisfactorily in public.

MUS 471-
MUS 484 (2-0-1) Applied Piano
A year of piano study designed to further develop the student's technique and begin the preparations necessary for the senior recital. Selected repertoire might include the Bach Well-Tempered Clavier (selections), the Bach French Suites, Mozart or Beethoven Sonatas, Chopin Preludes or Nocturnes, Bartok Mikrokosmos Vol. VI, Allegro Barbaro, or Suite, Op. 14.

MUS 473-
MUS 484 (2-0-1) Applied Percussion
Senior year sequence. Senior recital preparation. Advanced technique development. Senior recital program repertoire approval in second semester by instructor.

MUS 475-
MUS 486 (2-0-1) Applied Strings
Senior year sequence. Senior recital preparation. Advanced technique development. Senior recital program repertoire approval in second semester by instructor.

MUS 477-
MUS 488 (2-0-1) Applied Voice
An in-depth study of vocal techniques and the literature from Baroque to Contemporary periods with emphasis on the senior recital.

MUS 479-
MUS 490 (2-0-1) Applied Woodwinds
Senior year sequence. Senior recital preparation. Advanced technique development. Senior recital program repertoire approval in second semester by instructor.

MUS 481 (1-1-0) Research Seminar in Music Education
Processes and techniques of research in music education, including philosophical, descriptive, historical, and experimental research.

MUS 491 (2-2-0) Vocal Literature
A survey of vocal music from the Renaissance to the 20th century. Activities include listening, singing, and analyzing music.

MUS 499 (1-0-1) Senior Recital
The one-hour program will consist of works representing various styles periods. Approval for senior recital is granted by a faculty committee. *Prerequisites: 8 hours of applied music in the major field.*

PHILOSOPHY (PHL)

PHL 210 (3-3-0) Introduction to Philosophy
This is an introductory course which examines the nature and function of philosophy and encourages an analytical and critical approach to man's encounter with the external world. It seeks to reveal the process and disciplines of philosophy through the investigation of fundamental philosophic questions and to show the different interpretations through a variety of philosophic literarure. The sequence includes a study of myths, religion and epistomology.

PHL 220 (3-3-0) Introduction to Logic
The aim of this course is to give students practical ideas useful for critical reasoning and to improve the ability of the student to solve problems.

PHL 230 (3-3-0) Political and Social Philosophy
This is an introductory course which seeks to provide knowledge of contemporary and traditional social thought and the relationship of social practice. It encourages the awareness of the interrelation of social and economic issues. It also examines the African world-view and its relationship with other world views.

PHL 320 (3-3-0) Introduction to Ethics
A philosphical exploration of the basis of the good life. A study of various approaches to the problems of moral belief and practices will be made in this course.

PHL 420 (3-3-0) Philosophy of Religion
Designed to give a critical understanding of the claims of religion, God, religious experience, the meaning and truth of religious belief.

PHL 430 (3-3-0) Seminar in Philosophy
Individual or group study of selected contemporary philosophical issues. Exposition and discussion of the results.

PHYSICAL EDUCATION (PED)

PED 000 (0-2-0) Swimming
This course is designed for those major students scoring below the minimum on the swimming classification test. Instructions will be provided to assist students in developing the necessary skills to complete the advanced beginning level of the Red Cross Program.

PED 100 (1-1-0) Individual Physical Education Activities
Special activities designed for students with physical disabilities or whose examinations show they are unable to participate in a regular vigorous physical education class.

PED 101 (1-2-0) Swimming (Coed)
This course is designed to provide all University students who have never learned to swim, because of the lack of opportunity, fears, and misconceptions, a chance to learn to swim. This course will be taught as outlined by instructions provided for beginners swimming.

PED 102 (1-2-0) Dance
This course is designed for beginning dancers. Emphasis is placed on movement as a medium of expression in the development of dance technique, locomotor skills, and creativity.

PED 110 (1-2-0) Softball
This course is designed to teach fundamental skills in softball including rules, playing strategies, team offense and defense. Techniques of base running, catching, throwing and batting are emphasized.

PED 111 (1-2-0) Stunts, Tumbling and Trampoline
Instruction in the fundamental skills used in stunts and tumbling. Skills, body control and safety required in performance on the trampoline line are also taught.

PED 112 (1-2-0) Golf
This course will provide opportunities for students to develop fundamental skills in golf. Emphasis will be placed on terminology, rules, courtesies, and use of the following clubs: mid-irons, short-irons, putter, and woods.

PED 120 (1-2-0) Tennis and Badminton
This course is designed to teach the history, rules, techniques and skills involved in the sports of tennis and badminton. Both singles and doubles play will be emphasized.

PED 121 (1-2-0) Archery and Table Tennis
This course is designed to acquaint students with the historical development, rules, techniques, and skills of archery and table tennis.

PED 122 (1-2-0) Volleyball
This course will provide opportunities for students to develop fundamental skills in volleyball, including the serve, volleying, setting, and spiking. Emphasis will also be placed on terminology, rules and playing strategies.

PED 130 (1-2-0) Basketball
This course aims to teach basic skills associated with the game of basketball including passing, dribbling, shooting, and conditioning. Emphasis will be placed on the historical development, rules, playing strategies, and team offense and defense.

PED 131 (3-3-0) Theory of Physical Education
This course is designed to expose students to the nature and content of the many disciplines from which physical education derives its principles for the conduct of program offerings. Specific topic areas include philosophy, sport, historical, biological, sociological, and psychological foundations of physical education.

PED 132 (1-2-0) Bowling
Bowling is a universally popular activity and holds a very prominent position among those

activities in the life time sports series. As a part of the college experience, students should have an opportunity to develop recreational skills to serve them in their leisure following the school years. The bowling course has been designed to serve this need.

PED 140 (1-2-0) Conditioning Exercise

This course is designed to improve fitness, posture, appearance, and conditioning. Content includes individual and group exercise programs including activities in aerobic dancing, and weight training.

PED 200 (1-1-0) Swimming I

This course is designed for physical education majors who already have the ability to swim. Students enrolled in this course will advance to the level of developing the following skills: a fully coordinated crawl stroke, side stroke, breast stroke, open turn, and surface turns, underwater swimming and back float. *Prerequisites: Pass the classification test for physical education majors.*

PED 201 (1-2-0) Swimming II

This course is designed to elevate physical education majors competent in beginner swimmer skills to the intermediate level. Students will advance to the level of developinmg the following strokes: front crawl, elementary back, side, overarm side, breast, back crawl, trudgen, inverted breast; and fundamental diving skills. *Prerequisites: PED 200.*

PED 202 (2-2-0) Individual and Dual Sport I: Tennis and Badminton

This course is designed to expose physical education majors to methods of teaching two activities that may be participated in during leisure. Emphasis will be placed on developing teaching materials and strategies appropriate to the level for which they are preparing to teach.

PED 204 (2-2-0) Individual and Dual Sports II: Archery and Golf

This course is designed to expose physical education majors to methods of teaching two activities that may be participated in during leisure. Emphasis will be placed on developing teaching materials and strategies appropriate to the level for which they are preparing to teach.

PED 210 (2-2-0) Team Sports I: Soccer and Volleyball

The activities covered in this course are designed to assist physical education majors in their development of sound skill techniques in these activities; and aid them in developing teaching materials and strategies appropriate to the level for which they are preparing to teach.

PED 212 (1-2-0) Gymnastics and Stunts

This course will provide opportunities for the learner to develop physical coordination, strength and teaching techniqes through participation on the mats, trampoline, parallel bars and side horse. The student will develop lesson plans and teach activities in each area.

PED 214 (2-2-0) Team Sports II: Basketball and Softball

The activities covered in this course are designed to assist physical education majors in their development of sound skill techniques in these activities; and aid them in developing teaching materials and strategies appropriate to the level for which they are preparing to teach.

PED 221 (1-2-0) Water Safety Instruction

A course that reviews all swimming and life-saving techniques and prepares the student to teach these skills. *Prerequisites: PED 200, 201, 202.*

PED 260 (3-3-0) Theory and Practice in Elementary Physical Education

This course is designed to expose physical education and elementary education majors to the use of physical activities in the total development of the elementary age student (K-6). Emphasis will be placed on characteristics and activities to satisfy the groups' growth and the methods and materials of presenting activities to this age group. Specific areas of concentration will include movement education, rhythms, mimetics, relays, combatives, self-testing, games of low organization, and singing games.

PED 290 (2-2-0) Modern Dance

This course is designed to introduce physical education majors to the basic elements of modern dance emphasizing mastery of basic steps, techniques and composition. Students will also be exposed to methods and materials necessary to teach fundamental dance techniques.*Prerequisites: PED 310.*

PED 300 (1-2-0) Practicum in Physical Education

This course is designed to provide opportunities for students to develop teaching skills and leadership abilities in a classroom setting under the supervision of Department faculty. Since the nature of physical activity classes usually requires arranging equipment, organizing groups for skill practice, measuring and marking playing areas, selecting and administering skill tests, and various other chores that do not confront the regular classroom teacher, physical education major students should have an on-hand experience with the logistics required for the conduct of these classes prior to their student teaching experience.

PED 302 (2-2-0) Motor Learning

This course is designed to study the physiological and psychological variables associated with motor performance and skill acquisition and retention. Specifically, this course will address theories of learning as they relate to motor skill learning, principles of learning psychomotor skills, research studies and relevant issues of motor learning, and the role of physical movement in the acquisition of knowledge in non-motor subject learnings.

PED 310 (2-2-0) Rhythms

This course is designed to provide students an opportunity to develop skills and techniques in the elements of rhythmic dance. Emphasis is placed on movement analysis.

PED 311 (3-3-0) History and Principles of Physical Education Curriculum

This course is designed to acquaint students with the historical development of physical education in Europe and the United States. Attention is given to the origin and development of principles and their function in program development and implementation.

PED 321 (3-3-0) Physical Education in Early Childhood Education

This course offers materials used for teaching physical education activities and development of programs for children from kindergarten through the third grade. Characteristics of this age group, activities to satisfy the group's growth, methods and materials of presenting activities to this age group are areas of importance to be covered. Specific areas of concentration will include movement education, rhythms, mimetics, relays, self-testing activities, organizational games and singing games.

PED 322 (3-3-0) Physical Education in the Intermediate Grades

This course is designed to acquaint students with methods and materials used in teaching physical education activities and development of programs for children in intermediate grades. Consideration will be given to characteristics of this age group, activities to satisfy the group's growth, methods and materials of presenting activities to this age group.

PED 331 (3-3-0) Kinesiology

This course is designed to study the musculature and bone structure of the body in relationship to the science movement, joint mechanisms, leverage, and muscle actions. The course aims to assist students in developing an understanding, appreciation of, and for the principles of kinesiology as they are applied to human movement and physical performance. *Prerequisites: BIO 110, 120; BIO 130, 140; ZOO 210, 220.*

PED 341 (3-2-0) Basketball Theory

This course is designed to provide opportunities for students to explore theories of basketball relative to organization and supervision, motivation, evaluation, and ethics. Emphasis will be placed on philosophy, planning, drills, and offensive and defensive skills.

PED 342 (3-2-0) Track Theory

Track and field theory introduces specific theories and practices in teaching and coaching specific track events. Emphasis will be placed on research and performance techniques, track and field meet administration, and rules of the sport.

PED 351 (3-2-0) Football Theory

This course is designed to teach students the importance and characteristics of rules, team work, formations and the strategy of both offense and defense.

PED 361 (2-2-0) Sport Officiating

A course designed to teach students the rules and mechanics of officiating various seasonal sports. Laboratory work includes officiating in FSU intramural programs and observing and evaluating officials in regular scheduled contests.

PED 362 (3-2-0) Life Saving

This course is designed to provide the student with the knowledge and skills to save his own life, to rescue another individual in case of emergency. Major emphasis will be placed on personal rescue skills and instruction in lifesaving techniques.

PED 411 (3-3-0) Organization and Administration of Health, Physical Education

The philosophy and methodology of the organization and administration of the physical education aspect of a complete school health and physical education program.

PED 421 (3-3-0) Measurement and Evaluation in Health and Physical Education

The theory of measurement in health and physical education, the selection and administration of appropriate tests, and the interpretation of their results by fundamental statistical procedures.

PED 431 (3-3-0) Adapted Physical Education

This course is designed to provide the knowledge and experience necessary for the teaching of physical education to exceptional individuals. Activities are geared toward meeting the needs, interest, and abilities of these students.

PED 442 (3-3-0) Modern Dance Theory

The study of creative dance — the principle of guiding individual development through problem solving. The method used in achieving this aim is one which involves the student in a process which starts with the objective, becomes subjective and ends in a creative process which is then evaluated.

PED 452 (3-3-0) The Intramural Sports Program

This course is designed to teach the organization and adminstration of public and collegiate sports programs; and to develop competencies within students enabling them to function as program coordinators.

PED 461 (3-3-0) Special Physical Education for the Physically Handicapped Disadvantaged

This course is designed to review the characteristics of the physically handicapped and disadvantaged, and an examination of programs that best serve their needs. Opportunities to bridge the gap between theory and practices are provided by interaction with the physically handicapped and disadvantaged.

PED 462 (3-3-0) Physiology of Exercise

A study of the phenomenon associated with acute and chronic exercise and the physiological effects of physical education activities upon the human body.

PED 463 (3-3-0) Athletic Injuries

This course is designed to teach the underlying principles and applied techniques in prevention, treatment, and rehabilitation. Students will be acquainted with athletic training, emergency medical equipment, and supplies.

PED 471 (3-3-0) Research Methodology

A critical analysis and investigation of the current research methods applicable to productive procedures in health, physical education, and recreation in a changing academic climate. A concerted effort will be made focusing on the investigation of special abilities of students, facilities, and related concerns in the elementary, junior high, and senior high school levels. *Prerequisites: PED 421.*

PED 472 (3-3-0) Sports in Contemporary American Society

An interdisciplinary course, students are introduced to social, economic and atheletic implications of sports in contemporary society. Tenets such as aggression in sports; blacks and women are pertinent examination topics of sports as either entertainment, exploitation or both.

PED 482 (3-3-0) Psychology of Coaching

This course is designed to give the student experiences in dealing with certain guides for teaching and learning that may be applied to the coaching of sports. The students will explore theories to point out the relationship of meaningful learning to successful coaching. The student will explore the meaning of learning in coaching as well as review some of the problems that are specifically related to coaching, such as recruiting, theories of the game, organizing practices and side line coaching.

PED 483 (3-3-0) Supervision of Health and Physical Education

An analysis of current supervisory practices in city, county and state school systems.

PED 492 (3-3-0) Wrestling

To teach the basic skills, tactics, and strategies of wrestling by developing an understanding, abiding interest and knowledge of rules and regulations involved in wrestling.

PHYSICAL SCIENCE (PSI)

PSI 111 (4-3-2) Physical Science I

A study of the introductory concepts of physics, chemistry, astronomy, geology, and meteorology with an emphasis on the nature of science. Designed for non-science majors.

PSI 112 (4-3-2) Physical Science II

A continuation of Physical Science I with selected topics from physics, chemistry, astronomy, geology, and meteorology. Designed for non-science majors. *Prerequisites: PSI 111.*

PHYSICS (PHY)

PHY 101 (4-3-2) Physics I

A basic introduction course of the principles, concepts and ideas of physics and how they may be applied to problems in different disciplines. Appropriate laboratory exercises are designed around the topics presented. Designed for non-science majors. *Co-requisite: MAT 111 or 131.*

PHY 102 (4-3-2) Physics II

A continuation of Physics I, with emphasis on the physical principles of electricity, light, optics, and optical devices. Appropriate laboratory exercises are designed around the topics presented. Designed for non-science majors. *Prerequisites: PHY 101, MAT 111 or MAT 131. Correquisite: MAT 112.*

PHY 111 (4-3-2) General Physics I

An introductory study of the phenomena and the concepts of classical and modern physics in the areas of mechanics, heat, wave motion, and sound. A series of laboratory experiments are keyed to these topics. *Prerequisites: MAT 124 or MAT 131.*

PHY 112 (4-3-2) General Physics II

An introduction to the basic principles of electricity, magnetism, light and modern physics. A continuation of General Physics I. A series of laboratory experiments are keyed to these topics. *Prerequisites: MAT 124 or MAT 131, PHY 111.*

PHY 211 (4-3-2) Mechanics

An intermediate level concentration in mechanics, dealing with vector analysis, central force problems, rotational motion, and time, position, and velocity dependent forces. *Prerequisites: MAT 242, PHY 111. Corequisite: MAT 331.*

PHY 212 (4-3-2) Heat

An intermediate level concentration in thermodynamics, dealing with the laws of thermodynamics, open and closed systems, kinetic theory of gases, heat engines and air conditioning systems. *Prerequisites: PHY 112, MAT 241.*

PHY 311 (4-3-2) Electricity and Magnetism I

An intermediate level presentation of the principles and theory of electricity and magnetism with application of Maxwell equations and boundary value problems. *Prerequisites: PHY 112, PHY 211, MAT 331.*

PHY 312 (4-3-2) Electricity and Magnetism II

An intermediate level presentation of the principles and theory of electricity and magnetism with emphasis on boundary value problems, collision processes, radiation and relativity. A continuation of PHY 311. *Prerequisites: PHY 311.*

PHY 411 (4-3-2) Electronics

An introduction to the foundation of electronics. A consideration of the properties of vacuum tubes, semiconducting elements, amplifiers, communication circuits, television, and linear and digital integrated circuits. *Prerequisites: PHY 112, MAT 131.*

PHY 412 (4-3-2) Biophysics

An introduction to the basic principles of electricity, electronics, mechanics, thermodynamics, optics and acoutics that are of value to a person preparing for a career in medical research or biophysics. *Prerequisites: PHY 112, MAT 142.*

POLICE SCIENCE (PSC)

PSC 101 (3-3-0) Introduction to Law Enforcement (CJC 201)

A general course designed to familiarize the student with a philosophy and history of law enforcement, including its legal limitations in a democratic republic; a survey of the primary duties and responsibilities of the various law enforcement agencies; a delineation of the basic processes of justice; an evaluation of law enforcement's current position; and an orientation relative to law enforcement as a vocation. Students who have completed CJC 101 may not schedule this course.

PSC 102 (3-3-0) Highway Traffic Administration

An examination is made of the U.S. transportation system and the agencies concerned with increasing efficiency. The system and the developmental components and their social, economic and political impacts are reviewed. The organization for traffic control, accident investigation, traffic flow regulations and analysis are surveyed. Also, the administration of traffic laws and traffic courts are areas of concern.

PSC 111 (3-3-0) Criminal Law (CJC 300)

A course designed to present a basic concept of criminal law and create an appreciation of the rules under which one lives in our system of government. Students who have completed CJC 111 may not schedule this course.

PSC 210 (3-3-0) Criminal Investigation (210)

A course designed to introduce the student to fundamentals of investigation; crime scene search, recording, collection and preservation of evidence; sources of information; interview and interrogation, case preparation and court presentation, and the investigation of specific offenses such as arson, narcotics, sex, larceny, burglary, robbery, and homocide. Students who have completed CJC 210 may not schedule this course.

PSC 221 (3-3-0) Introduction to Criminalistics

A general survey of the methods and techniques used in modern scientific investigation of crime with emphasis upon the practical use of these methods by the students. Laboratory techniques will be demonstrated and the student will participate in actual use of the scientific equipment. Students who have completed CJC 221 may not schedule this course.

PSC 230 (3-3-0) Criminal Evidence

A study of the kinds and degrees of evidence and the rules governing the admissibility of evidence

in court. Students who have completed CJC 230 may not schedule this course.

PSC 232 (3-3-0) Police Organization and Administration
Introduction to principles of organization and administration; discussion of the service functions; e.g., personnel management, police management, training, communications, records, property maintenance and miscellaneous services.

PSC 241 (3-3-0) Crime Scene Technology
Covers the search for physical evidence and the location, reproduction, identification, collection, preservation, and transporting of crime evidence to the crime laboratory. Laboratory situations will provide practical experience to supplement the techniques and procedures studied.

PSC 251 (3-3-0) Criminal Procedures
A course designed to provide the students with a review of procedures from incident to final disposition; principles of constitutional, federal, state and civil laws as they apply to and affect law enforcement.

PSC 262 (3-3-0) Police Community Relations
A course designed to acquaint the student with the straints and problems arising from conflicting demands within the social structure of American society. The theoretical perspective of remedial action is examined. The student also becomes familiar with how solutions to problems are conditioned by the social content. Students who have completed CJC 262 may not schedule this course.

PSC 400 (3-3-0) Seminar in Criminal Interrogation and Confessions
Course covers such aspects of interrogations and confessions as warning the subject; the Fourth Amendment Right of Privacy; the attitude of the interrogator; classifying suspects for interrogation, tactics at interrogation, the interrogation of witnesses who may later become suspects, and psychological tools to be used in extracting a confession from an unwilling suspect. It exposes the student on how to read a suspect his rights, and who must be warned of their rights. It covers the laws governing the admissability of confessions in court, the use of trickery and deceit, and the latest law regarding confessions and interrogation — both federal and state. *Prerequisites: PSC 101, 111.*

POLITICAL SCIENCE (POL)

POL 210 (3-3-0) Principles of American Government
Introduction to the historical background, purposes and functions of political institutions, especially the structure and activities of the American system — federal, state, and local.

POL 220 (3-3-0) Principles of Public Administration
A study of basic concepts of administration; the growth of administration as an art and science; the relation of administration to the political process; administrative organization and process; the political power of bureaucracies; the responsibility of public servants.

POL 301 (3-3-0) Organizational Theory
An analysis of special theories about organizations to include the traditional political environment, behavioral, bureaucratic and decision-making approaches to the study of modern organization. Includes a study of contemporary issues in the continuing development of organization theory.

POL 311 (3-3-0) Political Parties and Pressure Groups
History, structure and functions of American Political Parties and Pressure Groups; their relationship to democratic government; their techniques of political action.

POL 312 (3-3-0) Public Leadership and Management
Focuses on leadership style, human motivations and the basic problems of managment to include decision-making communications and public relations.

POL 320 (3-3-0) State and Local Government
Examination of the framework of state and local governments in the United States and evalua-

tion contributions to federal system. Special attention to North Carolina in comparison with other states.

POL 321 (3-3-0) Public Personnel Management
The theory, practice, and organization of the public personnel system in the United States, including the essentials of personnel training, classification, compensation, promotion, testing, employee relations, and employee organizations.

POL 330 (3-3-0) Public Financial Management
A study of the setting, practices and problems of modern fiscal management with special emphasis on budgetary concerns and techniques, budget use as an instrument of planning and control, and as an analytical tool at the national, state and local levels of government.

POL 331 (3-3-0) Politics and Urban Planning
A study of approaches to urban planning, the need, process on limitations with respect to political realities in the nation, state and community.

POL 332 (3-3-0) The Legislative Process
Evolution, structure, functioning and dynamics of American legislative institutions, and the relations between the legislative, the executive, the judiciary and outside groups in the law-making process.

POL 350 (3-3-0) Government and Politics of Africa
A course examining certain general characteristics of the governments and politics in the developing nations in Africa. Colonialism, independence movements and the problems of nation building will also be studied.

POL 351 (3-3-0) Government and Politics of Europe
A comparative analysis of the organization, functioning and process of governments and politics in the Soviet Union and selected European countries.

POL 352 (3-3-0) Government and Politics of Asia
An analysis of the organization, functioning, and process of governments and politics in China, Japan, and other Asian nations.

POL 400 (3-3-0) Administration of Urban Government
The study of the organization and management characteristics of various types of government entities in urban areas including municipal, county government and other special districts.

POL 401 (3-3-0) Federalism and Intergovernmental Relations
Focuses on changing relationships of local-state-federal agencies, expanding role of regional planning boards and recent developments in sharing of federal tax revenue with non-national governments.

POL 402 (3-3-0) Public Policy Formulation
Approaches to decision-making in government and administration; decision-making and policy formulation within administrative agencies and departments and within the larger context of the overall political process.

POL 410 (3-3-0) The American Chief Executive
The origin, background and evolution of the Office of the President of the United States; his powers in the areas of politics, administration, legislation, and foreign affairs.

POL 411 (3-3-0) Public Opinion and Propaganda
A course focusing on the development of attitudes and beliefs. The nature of public opinion and propaganda, the methodology of public opinion polling, and the strategy and techniques of influence through use of propaganda, mass media and communications.

POL 412 (3-3-0) Administrative Law
An investigation of the elements of administrative law, the powers and procedures, liabilities of administrative agencies and officers, governmental activities in the regulation of agriculture, industry and labor.

POL 420 (3-3-0) Research Methods in Public Management

Basic concepts, ideas, approaches and methods used to study administrative institutions. Includes the use of simulation techniques, surveys, mathematical statistics, cibernetics, content analysis and the use of computers.

POL 422 (3-3-0) American Foreign Policy

A study of the techniques and methodologies used in comparing phenomena in selected country public administration systems, including entry levels, social background, centers of bureaucratic power and influence and the philosophy of public service. Special attention is given to the problems of developing nations in establishing an effective public service.

POL 430 (3-3-0) International Politics

The interplay of political forces in the international community, with emphasis on war-time diplomacy, peace treaties, the alignment conflicts of nations in the postwar period.

POL 431 (3-3-0) International Organization

Basic concept, historical background, evolution and functioning of international governmental and administrative systems, with primary emphasis on the United Nations.

POL 432 (3-3-0) International Law

Rules and practices governing nations in peace and war; the nature sources, evolution and functioning of various schools of international law; principle law-making and adjudicatory agencies; international personalities; treaties, jurisdiction over person and place; diplomatic and consular intercourse; pacific settlement; war and neutrality.

POL 440 (3-3-0) Introduction to Government Planning

A study of concepts, fundamentals, and methods of planning, and the significance and relationship of planning in public administration and public policy. Aspects such as Program Planning Budgeting Systems (PPBS), Management by Objectives (MBO) Program Evaluation and Review Technique (PERT), Planning, Management, and Evaluation (PME), and Zero Base Budgeting (ZBB) will be considered in the planning process.

POL 441 (3-3-0) Citizen Participation in Policy-Making

Political participation and citizen involvement in government policy-making. Both citizen initiated and government sponsored efforts to increase popular input will be analyzed. Assessment of the input of citizen participation on policy-making in specific areas of policy and in the performance of governments in general.

POL 442 (3-3-0) Public Policy Analysis

A study of methods and techniques used to determine the effectiveness of public programs. Appropriate systems are developed in the evaluation process. Emphasis is on case studies in policy analysis.

POL 450 (3-3-0) History of Political Theory I

Political theories and their practical applications from ancient Greece to Jean Bodin. The course seeks to relate political theories to environments and worthy traditions.

POL 460 (3-3-0) History of Political Theory II

Continuation of political theories from Hobbs to the present.

POL 461 (3-3-0) American Political Ideas

The political ideas of leading American statesmen and publicists and their influences upon American governmental systems.

POL 470 (3-3-0) Government Internship

A course designed to provide practical experience in the application of principles and techniques in various areas of public service under the direction of the instructor in cooperation with administrators of selected public agencies in the state. Weekly one-hour lectures and conferences and at least nine (9) hours assigned for practical experience weekly in the public agencies.

POL 471 (3-3-0) Research Seminar
Course designed to provide knowledge in the application of research methods such as content analysis, survey research, etc. provided in POL 420. The course is structured to help students in (a) applying methods learned in POL 420; (b) using the computer in computer assisted instruction (CAI).

POL 480 (3-3-0) Senior Seminar
Focus on the intensive independent work by the student on selected topics, preparation and presentation of assigned topics for criticism.

POL 481 (3-3-0) Senior Seminar — Selected Problems in Public Management
An analysis of the problems created by or associated with technological advancements, environmental changes, urbanism, the civil rights movement, ethics and values, private rights, and changing expectations.

POL 490 (3-3-0) Advanced Reading and Research
Supervised reading and research in areas of special interest under supervision of a designated instructor. Permission of the department head.

PSYCHOLOGY (PSY)

PSY 210 (3-3-0) General Psychology
Basic introduction to the study of psychology as a science and the application of the scientific method in the understanding of behavior. Broad emphasis is placed upon such behavioral phenomena as learning, motivation, emotions, memory and problem solving, personality and development, behavior disorders and psychotherapy.

PSY 220 (3-3-0) Principles of Behavior
The principles of behavior derived from both laboratory and applied research settings are presented in a manner that will prepare the student for entry into more advanced courses of varied contents and aid the student in analyzing and understanding the behavior of himself and others. *Prerequisites: PSY 210.*

PSY 231 (3-3-0) Descriptive Statistics
A study and application of descriptive and sampling statistics; emphasizing measures of central tendency, variability, correlation, linear regression and probability. *Prerequisites: PSY 210, MAT 111, and 112, or MAT 123 and 124, or consent of the instructor.*

PSY 232 (3-3-0) Inferential Statistics
A study of inferential statistics, emphasizing the F test, Chi square and other nonparametric statistics. Use of computer programs for statistical analysis will be utilized. *Prerequisites: PSY 231.*

PSY 240 (3-3-0) Applied Psychology
A study of the application of psychological knowledge and skills to the solution of complex and practical problems in everyday life. Among the topics studied will be industrial and organizational behavior, the nature and measurement of intelligence, community mental health, the psychology of mass communications, consumer psychology and environmental psychology. *Prerequisites: PSY 210 or consent of instructor.*

PSY 250 (3-3-0) Current Topics in Psychology
A survey of the psychological literature concerning problems of contemporary interests. New topics will be selected each time the course is offered. Selections will be made from areas with substantial psychological literature. Topics may include: programmed instruction, transactional analysis, psychology of sex-role identity, psychology of overpopulation, computers in clinical and research setting. *Prerequisites: PSY 210 or consent of the instructor.*

PSY 290 (3-3-0) Psychology of Personal Adjustment
A course designed to provide knowledge of how to meet the demands of life. The course will focus on theoretical bases which have evolved into ways of dealing with psychological problems such as stress, depression, anxiety, sexual behavior, and other everyday problems. *Prerequisites: PSY 210.*

PSY 300 (3-3-0) Drugs and Behavior

A study of the development and use of drugs, in society; their efficacy, safety, regulation, and their proper and improper use. The course will review the behavior effects of the major drug groups: Depressants, stimulants, tranquilizers, narcotics and the hallucinogens. *Prerequisites: PSY 210 or consent of instructor.*

PSY 310 (3-3-0) Personality and Adjustment

An investigation of differing views of the development and functioning of the normal personality including a survey of impirical findings related to individual adjustment or maladjustment. *Prerequisites: PSY 210 or consent of the instructor.*

PSY 320 (3-3-0) Learning and Motivation

A review of major orientations to the study of human and animal learning and motivation. A survey of individual and environmental factors affecting learning and performance in several contexts, including the experimental and educational settings. *Prerequisites: PSY 210.*

PSY 321 (3-3-0) Human Learning and Memory

An introduction to human learning, information processing, and memory. The topics to be covered will include theories of human learning, verbal learning, motor learning, memory processes, and retention and forgetting. *Prerequisites: PSY 320.*

PSY 330 (3-3-0) Educational Psychology and Measurements

A comprehensive introductory survey of the field of educational psychology, to develop an understanding of the principles, practices and research used in studying the learning process. *Prerequisites: PSY 210. Students who have completed EDU 330 may not schedule this course.*

PSY 331 (3-3-0) Developmental Psychology

An introduction to developmental psychology focusing on the period from conception through adolescence. Major developmental principles and theories will be surveyed in the areas of cognitive, emotional, social, personality and physical development. *Prerequisites: PSY 210.*

PSY 332 (3-3-0) Adult Development and Aging

An introduction to adult development and human aging. Major developmental principles, theories, and current research will be surveyed in the areas of biological, cognitive, social, personality, and emotional development. *Prerequisites: PSY 210.*

PSY 350 (3-3-0) Industrial and Organizational Psychology

A study of psychological factors as they influence performance in work settings. Group processes, employee motivation, leadership, selection and training. The analysis and design of jobs and organizations. *Prerequisites: PSY 210, 240.*

PSY 360 (3-3-0) Social Psychology

A study of individual behavior as it is affected by social factors. A review of socialization, attitude formation and change. Interpersonal attraction, leadership and other behavior in-group settings. *Prerequisites: PSY 210, 220 or consent of the instructor.*

PSY 370 (3-3-0) Biological Foundations of Behavior

A study of the structure and function of the nervous system as related to learning and sensory-motor processes. The course will include reviews of contemporary research on such topics as biofeedback control, electrical stimulation of the brain and bioelectric recording techniques. *Prerequisites: PSY 210, 220 or consent of the instructor.*

PSY 380 (3-3-0) Behavior Modification

A study of the application of learning theory and laboratory findings to behavior problems in educational, clinical and social institutions. The course will review relevant empirical research which demonstrates the effectiveness of behavior modification techniques. *Prerequisites: PSY 210 or consent of the instructor.*

PSY 381 (3-3-0) Child Psychopathology
A survey of factors affecting the psychological development from infancy through adolescence. Course emphasis will be placed on conceptual models, assessment approaches, and treatment of abnormalities from childhood through adolescence. *Prerequisites: PSY 210.*

PSY 390 (3-3-0) Psychological Tests and Measurements
A survey of the major methods of evaluating and comparing psychological and physical abilities. Consideration is given to methods of measurement, and to basic statistical concepts as they are related to the evaluation selection, and application of psychological testing. *Prerequisites: PSY 210 or consent of the instructor.*

PSY 400 (3-3-0) Historical and Conceptual Foundations
A survey of the development of psychology in historical and socio-cultural perspective. A review of the major historical and contemporary systems of psychology, and their relation to the philosophy of science and to the selection of problems and methodologies. *Prerequisites: 210, 220.*

PSY 410 (3-3-0) Advanced Clinical Methods
A course designed to integrate the theoretical and applied aspects of therapy. Supervised practice sessions will be conducted and analyzed by means of video-tape recordings. Psychological tests will also be administered. *Prerequisites: PSY 342, 390.*

PSY 420 (3-3-0) Sensation and Perception
A consideration of the structure and function of the major sensory systems. The perceptual process as it is affected by physical factors in the environment and by psychological aspects of the perceiving organism. *Prerequisites: PSY 210, 220 or consent of the instructor.*

PSY 421 (3-3-0) Cognitive and Affective Process
Theoretical approaches and research findings relevant to the complex processes of thought, language, problem-solving, and decision-making. The relation of these processes to intelligence and creativity. *Prerequisites: PSY 210, 220 or consent of the instructor.*

PSY 422 (3-3-0) Abnormal Psychology
A survey of disturbances of personality and behavior, and the major viewpoint of their cause, prevention, and treatment. *Prerequisites: PSY 212, 220 or consent of instructor.*

PSY 431 (3-3-0) Principles of Guidance
A course designed to provide one with a knowledge of the meaning, purpose, and aim of guidance. Attention is given to methods of investigation in guidance, methods of guiding students and the results of guidance. Special consideration is given to ways of improving guidance in schools. *Prerequisites: PSY 210 or consent of the instructor.*

PSY 432 (3-3-0) Principles of Counseling
A course designed to help the student understand the various theories of guidance and counseling. Diagnosis will be made of case studies in counseling situations, analysis and observation of interviewing procedures and careful observation of counseling theories and practice in actual situations. *Prerequisites: PSY 210 or consent of the instructor. Students who have taken EDU 432 may not schedule this course.*

PSY 440 (3-3-0) Guidance and Counseling Practicum
The practicum is intended to provide each student with intensively supervised counseling experiences in a true-to-life setting and a chance to share the results of such experiences with his supervisor. Major emphasis is given to the practical and applied aspects of counseling and to various guidance activities. The practicum comes at the end of a student's training and gives him a chance to tie together all his other courses in theories and techniques and apply them under supervision. *Prerequisites: PSY 431, 432, or consent of the instructor. Students who have taken EDU 440 may not schedule this class.*

PSY 450 (4-3-1) Experimental Psychology
Lecture and laboratory covering the design, analysis, conduct, and interpretation of experimental research in areas of general psychology such as learning and perception. *Prerequisites: PSY 210, 220, 230, or consent of the instructor.*

PSY 460 (3-3-0) Senior Seminar
Selected contemporary topics relating to the relationship between research, theory and/or application within the various area of psychology. *Prerequisites: Senior Psychology Major.*

PSY 480 (4-1-3) Psychology Internship
A course in which the student will gain practical experience in community agencies which deal with psychological problems. Eight hours a week will be spent at the internship assignment and one hour a week will be in class discussing various aspects of the internship. *Prerequisites: PSY 422 and 21 hours in Psychology.*

PSY 490 (3-3-0) Individual Topics in Psychology I
Supervised library, laboratory and/or field research in psychology on a topic of mutual instructor-student consent. *Prerequisites: Nine credits in psychology or consent of the instructor.*

PSY 491 (3-3-0) Individual Topics in Psychology II
Same as PSY 490 except that the topic of research will be different.

PSY 537 (2-2-0) Mental Hygiene in Schools
Influences within the school which affect the self-concept, motivation, and social adjustment of students and teachers.

PSY 630 (3-3-0) Advanced Educational Psychology
A comprehensive study of psychological principles and techniques as applied to various aspects of human learning. Some emphasis given to relationships between brain functions and learning processes.

PSY 640 (3-3-0) Social Psychology
Current research and theory in selected topics such as attitudes, dehumanization and conformity, aggression, and effective group functioning and change.

PSY 641 (3-3-0) Advanced Child Psychology
Survey and evaluation of the basic philosophies, recognized theories and supportive research related to child growth and development. *Prerequisites: Undergraduate child psychology course or its equivalent.*

PSY 690 (3-3-0) Statistics in Education
Frequency distribution, central tendency, measurements of variability, sampling and reliability, correlation, prediction, and methods of applying statistics in measurement and evaluation of instructional programs.

PSY 692 (3-3-0) Tests and Measurements
An introductory course in applicaton of measurement techniques to classroom problems. Includes discussion on preparing classroom tests, applying statistical techniques, and using standardized tests.

READING (RDG)

RDG 108 (3-3-0) Developmental Reading I
This course is concerned with developmental experiences that will help to refine the reading skills which students already have, therefore making it easier for them to master various types of reading material in all content areas. GST 108 provides developmental instruction in the areas of word study, vocabulary, literal comprehension, and study skills. Class and individual objectives from each of the above areas are assigned according to the students' needs as ascertained from diagnostic testing and inventories. The instructors personalize content and rate according to the reading level of each student.

RDG 109 (3-3-0) Developmental Reading II
The course is concerned with reading experiences that will help to improve the reading skills which students already have, therefore making it easier for them to master various types of reading material in the various content area. GST 109 emphasizes the following areas: word study skills, vocabulary, literal comprehension, interpretive comprehension, study skills, and flexibility of rate. Class and individual objectives from each of the aforementioned areas are assigned accor-

ding to the students' needs as ascertained from diagnostic testing and inventories. The instructors personalize content and rate according to the reading level of each student.

RDG 110 (3-3-3) Reading for College Students
The course is designed to help the students improve their reading competencies. The course content includes a review of structural and phonetic analysis which will aid students in recognizing and pronouncing multsyllabic words. Major emphasis will be placed on advanced reading skills to develop intensive vocabulary competencies, comprehension, rate, and efficiency. The course content will provide opportunities for developing advanced reading competencies by exposing students to a collection of significant and relevant essays, articles, poetry and stories that college and university students might be expected to read and comprehend.

RDG 112 (3-3-0) Foundations of Reading Instruction
An introductory course to reading studied from historical, sociological, and psychological perspectives. Students become familiar with past and contemporary methods of teaching reading, society's effect on reading and the psychological processes involved in reading. The learning styles of children, their interests, and the factors involved in teaching reading as a developmental process are stressed.

RDG 211 (1-1-0) Field Experiences in Reading I
Theory and firsthand experiences in the public school are combined through controlled observation of approaches to reading, reading groups, oral and silent reading habits of children, reading materials and reading centers.

RDG 311 (1-1-0) Field Experiences in Reading II
This course is taught in conjunction with RDG 315 Teaching of Reading in the Elementary School and RDG 390 Methods and Materials of Teaching Reading. The course involves the student in a public school setting of "brief" practical experiences. The student practices teaching an approach to reading, working with a reading group and tutoring children. The student also uses reading materials, equipment and facilities with the guided instruction of the public school classroom teacher and the college instructor.

RDG 312 (1-1-0) Field Experiences in Reading III
This course is taught in conjunction with RDG 316, Corrective and Remedial Reading or RDG 350 or 360, Teaching Reading in the Content Area. In conjunction with RDG 316, Corrective and Remedial Reading, field experiences involve a brief experience where students work with deficient readers in a public school setting and/or in the College Reading Laboratory. Students use diagnostic and prescriptive techniques to determine reading levels, reading difficulties and to prepare an instructional program to remedy and/or eliminate the deficiencies.

RDG 315 (3-3-0) Teaching Reading in the Elementary School
Introduction to the basic principles of reading instruction, including: readiness for reading, initial stages of reading development, primary and intermediate program. Consideration is given to the individual differences among students. Traditional and modern methodologies and materials are used to enhance the teaching of reading in the content of the elementary school curriculum.

RDG 316 (3-3-0) Corrective and Remedial Reading
This course is designed to help the classroom teacher to prevent, diagnose and correct reading difficulties. Attention is given to the nature and causes of reading difficulties, classroom diagnosis and remediation, the work of the reading specialist in diagnosis and remediation, and ways of securing the cooperation of the parents of problem readers. *Prerequisites: RDG 315.*

RDG 320 (3-3-0) Teaching Reading in the Secondary School
Methods, materials, classroom procedures and evaluation for teaching reading as secondary schools. Includes teaching developmental areas such as: literature, sciences, mathematics, social studies, etc., and work study skills.

RDG 350 (3-3-0) Teaching of Reading in Content Area (Elementary)
Introduction to the basic principles of reading instruction, including: readiness for reading, initial stages of reading development, primary and intermediate program. Consideration is given to the individual differences among students. Traditional and modern methodologies and materials are used to enhance the teaching of reading in the content of the elementary school curriculum.

RDG 360 (3-3-0) Teaching of Reading in Content Areas (Secondary)
Methods, materials, classroom procedures and evaluation for teaching reading in secondary schools. Includes teaching developmental areas such as: literature, sciences, mathematics, social studies, etc., and work study skills.

RDG 362 (3-3-0) Evaluation and Selection of Textbooks
A study of criteria for the evaluation and selection of textbooks on the elementary and secondary school levels. Particular attention is given to content analysis of basic readers and children's textbooks and of books produced for adolescents and young adults such as high interest textbooks and supplementary textbooks.

RDG 370 (3-3-0) Linguistics and Reading
An examination of the relationship of the application of linguistics in the teaching of reading. Attention is given to language meanings and language signals as they relate to the reading processes: phonics, phonetics, phonemics, and the alphabets. Materials and methods are emphasized as essentials in a linguistically sound approach in reading.

RDG 380 (3-3-0) Practicum in Teaching Reading to Adult Non-Readers
This course is designed to give practice in assessing the reading needs of adult non-readers, and designing an instructional program to remedy and/or eliminate reading deficits of adults. Emphasis is placed upon modes of dealing with reading problems in the real world, and modes of helping parents and other adults in developing those reading skills needed to function as literate citizens.

RDG 390 (3-3-0) Methods and Materials in Teaching Reading
This course involves a study of current reading problems, materials, methods, and instructional media designed to give the prospective classroom teacher basic understanding and appreciation of effective methodology in teaching or reading.

RDG 400 (3-3-0) Practicum in the Correction of Reading and Related Disorders
A clinical experience in performing reading assignments with the use of a battery of instuments. Emphasis is placed on the pre-assessment of disabled readers, writing accurate reports, writing of lesson plans according to assessed needs, tutoring of examinees, continuous diagnosis, methods of post-assessment, and profiling pre-test and post-test assessment scores. *Prerequisites: RDG 310, 390.*

RDG 420 (3-3-0) Strategies for Teaching Reading to Slow Learners
This course considers the characteristics, common reading problems, and the factors affecting the slow learner. The primary concern of the course is the exploration of appropriate teaching strategies for teaching the slow learner effective reading skills.

RDG 421 (3-3-0) Teaching Reading to Reluctant Adolescents
Designed to examine ways to motivate and teach adolescents who are not interested in learning how to read. Attention is given to development of basic vocabulary comprehension, study and efficiency skills through the use of content reading, the hidden curriculum, and the experience approach.

RDG 422 (3-3-0) Teaching Reading to Culturally Different Children
A multi-cultural approach in effectively teaching reading to culturally different children in the same classroom setting. Emphasis is placed on the content analysis of materials for a pluralistic society and approaches to teaching creatively, children with different cultural backgrounds.

RDG 440 (3-3-0) Review of Research in Reading
Survey of contemporary reading research, how the research relates in practical classroom situations and how the conclusions can be used to effectuate a positive change in the needs of students in the elementary and secondary schools.

RDG 441 (3-3-0) The Psychology of Reading
This course is designed to study the learning theories involved in the nature of the reading process. Attention is given to reading processes — language development, linguistic, cognitive, perceptual, sensory — and their relationship to reading growth and development.

RDG 490 Seminar in Reading
An analysis of the problems, issues, and trends in reading education. Emphasis is placed on more awareness of conditions which have an effect on how people read, ways to emphasize positive factors which lead to better readers and ways to better prepare future teachers to develop better readers.

RECREATION (REC)

REC 200 (3-3-0) Program Planning in Urban Recreation
Emphasis is placed upon the development of recreation program activities for all age groups. Consideration is given to required facilities and equipment: group composition; community resources. Likewise, leadership techniques: the role of the supervisor in personal selection, motivation and evaluation, planning, organization and operation of a comprehensive program are stressed.

REC 300 (3-1-2) Leadership in Supervised Recreation
Observation and practice with community or YMCA recreation groups to develop an understanding of effective supervision of recreational activities and recreational workers professional and volunteer their specific duties or assignments to areas in which they are qualified, and the division of work between them.

REC 312 (3-3-0) Organization and Administration in Community Recreation
This course is designed to provide students with a fundamental understanding of administrative practices, organizational structure, principles and philosophy of community recreation. *Prerequisites: REC 203.*

REC 411 (3-3-0) Recreational Practice (Internship)
This course is designed to provide guided internship experiences in public and private agencies providing students with opportunities to apply theory to practical situations. *Prerequisites: REC 200.*

REC 203 (3-3-0) Introduction to Community Recreation
This course is designed to provide students with the historical, physiological, social and economic, and philosophical foundations of recreation. Emphasis will be on theories, objectives and principles of public, private, and commercial recreation programs in the community setting.

REC 422 (3-3-0) Camping
Problems of the administration and conduct of camping and the development of suitable programs and activities.

REC 430 (3-3-0) Therapeutic Recreational Service
The study of recreational activities designed to meet the limitation imposed by handicap or illness. The function of recreational service in the rehabilitation process is also emphasized.

REC 431 (3-3-0) Physical Recreation for the Emotionally Handicapped
Review of the nature and characteristics of deviant behavior. Examination of group and individual approaches that may be utilized in working with the emotionally disturbed and mentally ill in physical education.

RELIGION (REL)

REL 311 (3-3-0) Introduction to the Bible
Designed to give an appreciation of the English Bible from the point of view of its literary value. The course includes a survey of the origin and transmission of the Bible and the principle interpretation.

REL 410 (3-3-0) Religion and Culture
A study of the social dynamics resulting from the confrontation of contemporary institutional religions with emergent cultural religious.

SOCIAL WORK (SWK)

SWK 220 (3-3-0) Introduction to Human Services
A broad introduction course designed to give beginning human service students an understanding

of history, basic concepts, goals, and the range of human service professions; develop human relations skills in undergraduate students; and provide information about the delivery of quality social services to clients as well as provide actual insight into the work and job settings of human service workers.

SWK 320 (3-3-0) Principles of Social Work
A study of various areas, processes, and functions of social work and the various services and resources which the community provides for the social welfare of its citizens.

SWK 350 (3-3-0) Community Organizations
An introduction to the theory and practice of community organization concerned with social change. Emphasis is on the organizing process.

SWK 405 (3-3-0) Interviewing Skills
Introduction to the interview as a basic tool in Social Work practice. Emphasis is on understanding and using a variety of techniques, methods, and skills in conducting social work interviews, understanding one's self as the interviewer, understanding attitudes in interviewing and the implications of cultural backgrounds for the interview.

SWK 420 (3-3-0) Methods of Social Case and Group Work
A study of the fundamentals of case work, group work, and community organization approaches and methods.

SWK 425 (3-3-0) Social Work with Families
A course designed to address the range of problems social workers face in working with families. Emphasis is on a comprehensive view of the family and its functions in society including the integration of social policy and social work into work with families; stresses, functions and changes in the individual family unit; the family as a social system; the individual family unit; the family as a social system; the individual within the family as well as family diagnosis and research.

SWK 450 (3-1-6) Agency Laboratory Experiences
A course designed to provide practical experience in the application of principles and techniques in various areas of social service under the direction of the instructor in cooperation with administrators of selected social agencies in the community. *Prerequisites: Consent of the instructor.*

SOCIOLOGY (SOC)

SOC 210 (3-3-0) Principles of Sociology
An examination of the basic concepts and principles of sociology with emphasis on a scientific analysis of culture, personality, social groups and grouping social institutions, social organizations, population trends and social processes. For sociology majors, SOC 210 is a prerequisite for all sociology courses.

SOC 220 (3-3-0) Contemporary Social Problems
An analysis of the causes and consequences of current social problems in the United States; poverty, slums, wars, mental illness, alcoholism, drug addiction, crime and delinquency, man and his environment, and problems of social institutions.

SOC 311 (3-3-0) Culture and Personality
A study of the nature of culture, the factors of difference in human behavior and personality, comparisons of selected preliterate and modern groups with regard to social situations.

SOC 330 (3-3-0) Marriage and Family Relations
An analysis of the forms and functions of the family; changing sex roles; marital choice, procreation, and socialization; history of American family patterns and effects of contemporary social changes are emphasized.

SOC 331 (3-3-0) Social Statistics
Analysis and interpretation of research data, descriptive statistics (frequency distributions, centrality, variability and correlation measures), introduction to statistical inferences (normal curve

sampling theory, chi square tests of statistical hypotheses, T-tests, analysis of variance and standard score test). *Prerequisites: MAT 111, 112*

SOC 332 (3-3-0) The Sociology of Sex Roles
An examination of the social determinants of sex role identity, and the relationship between sex role identity and personality, personal and professional relationships, work, religion, and the general culture. Special emphasis will be placed on the culture of the United States.

SOC 340 (3-3-0) Crime and Delinquency
A study of the nature of crime and delinquency as forms of deviant behavior, including theories of causation that relates to both, with a consideration of the justice system of each.

SOC 342 (3-3-0) The Sociology of Race and Ethnic Relations
An analysis of the status and problems of selected racial, ethnic, and religious minority groups and minority movements.

SOC 352 (3-3-0) Social Stratification
A study of classes, castes, estates, status groups, and social mobility. Theories of social mobility are examined and a comparison is made of stratification in selected societies.

SOC 360 (3-3-0) Sociology of Deviant Behavior
Study of the major theories and types of deviant behavior. Includes an analysis of society's reaction to such behavior. *Prerequisites: SOC 210.*

SOC 370 (3-3-0) The Sociology of The Black Ghetto
The course is designed to present an analysis and description of the American Black Ghetto. The student is expected to become familiar with: (1) the forces within the American society which precipitated ghetto living, (2) the life styles and socio-cultural patterns which developed as an adjustment to ghetto life and (3) some possible solutions to the problem of the Black ghetto in American life. *Prerequisites: SOC 210.*

SOC 410 (3-3-0) Introduction to Gerontology
Introduction to the field of gerontology with emphasis on the phychological, biological, and sociological processes of aging.

SOC 411 (3-3-0) Sociological Research Methods
This course introduces the advanced student to the various sociological research methods. Delineation of a research design, survey, and uses of available data; methods of collecting and analyzing data; testing hypotheses and drawing inferences therefrom. *Prerequisites: SOC 210, 332, and MAT 111, 112.*

SOC 422 (3-3-0) Collective Behavior
This is a study of human behavior as expressed through group behavior. An analysis is made of the forces by which changes in the social order come into existence, such as crowds, mobs, mass behavior, public opinion, contemporary social movements, revolutions and reform. *Prerequisites: SOC 210.*

SOC 430 (3-3-0) Demography
A study of the distribution, growth, and characteristics of human populations and its relationship to social organization.

SOC 431 (3-3-0) Sociological Theory
A selective and systematic study of the major writings in the development of modern sociological thought. The sociological theories of the writers are critically examined.

SOC 442 (3-3-0) Urban Sociology
A study of urbanism as a way of life; growth and development of urban areas; urban social organization, change and problems of contemporary urban life; ecological patterning; urban planning and problems of control.

SOC 470 (3-3-0) Social Change

A study of the dynamics and processes by which social change takes place; major theories of social change; industrialization and modernization; planned change; and the social impact of change.

SOC 480 (3-3-0) Sociological Seminar

Readings and discussions on selected problems and issues in sociology including the various subdivisions within sociology with particular interest in the relationship of theory and research; sociology as a profession. *Prerequisites: Senior Sociology majors.*

SPANISH (SPA)

SPA 110 (3-3-0) Elementary Spanish I

A course designed to develop the basic communicative skills: speaking, aural comprehension, writing, and reading. Regular laboratory practice is required.

SPA 111 (3-3-0) Elementary Spanish I (Honors)

An honor course of the Area. Placement will be made from entrance examination scores, previous high school study, etc. Attention will be given to the development of skills of comprehension, speaking, reading, and writing. Regular laboratory practice is required.

SPA 120 (3-3-0) Elementary Spanish II

A continuation of the development of the basic communicative skills: comprehension, speaking, reading, and writing. Regular laboratory practice is required. *Prerequisites: SPA 110 or placement examination.*

SPA 121 (3-3-0) Elementary Spanish II (Honors)

An honors course that continues the study of grammatical structure, reading, and use of the spoken language. Regular laboratory practice is required. *Prerequisites: SPA 110 or placement examination.*

SPA 211 (3-3-0) Intermediate Spanish I

A continuation of the development of the basic skills in the use of the language with emphasis on effecting a greater oral fluency and a broader reading comprehension. Laboratory practice is included. *Prerequisites: SPA 120 or placement examination.*

SPA 212 (3-3-0) Intermediate Spanish II

Designed to effect a greater oral fluency and a broader reading comprehension. Laboratory practice is required. *Prerequisites: SPA 211 or placement examination.*

SPA 311 (3-3-0) Spanish Conversation

A course for the development of oral proficiency. *Prerequisites: SPA 212.*

SPA 312 (3-3-0) Spanish Conversation and Composition

A continuation of the development of the skills in oral expression with practice and study in the writing of the language. Intonation, diction, and vocabulary building will be included. *Prerequisites: SPA 212.*

SPA 321 (3-3-0) Spanish Civilization and Culture

A study of the civilization and culture of Spain with attention focused on the life, customs, philosophy, art, and music of the people. *Prerequisites: SPA 212.*

SPA 340 (3-3-0) Survey of Spanish Literature

A study of the masterpieces of Spanish literature from earliest times through the contemporary period. *Prerequisites: SPA 212.*

SPA 421 (3-3-0) Advanced Grammar and Composition

A thorough study of syntax and grammar with free composition in Spanish. *Prerequisites: SPA 212.*

SPECIAL EDUCATION (SED)

SED 320 (3-3-0) Education of the Exceptional Child

This course provides a survey of the abilities and disabilities, inter and intra-individual differences of exceptional children. It introduces the student to the impact of educational and psychological handicaps and needs of the children who are classified as exceptional. Plans and education programs for the children will be emphasized.

SED 350 (3-3-0) Mainstreaming Exceptional Students

This course provides a comprehensive introduction to mainstreaming mild/moderate exceptional students. Emphasis will be on the components and regulations involved in developing an Individual Education Program (IEP) for all exceptional students. Supervised experiences in the Curriculum Laboratory are an essential part of the course. Special attention is given to the writing of annual goals, short term objectives, and evaluation methods.

SED 370 (3-2-1) Curriculum Development, Methods, and Materials for Exceptional Students

A comprehensive methods course directed at the needs of exceptional students. Provides training and experience in teaching methods and materials that are best suited for each area of mild/moderate exceptionality. Emphasis is upon innovative techniques and material modifications. Supervised experiences in public education and/or college laboratory schools, the Curriculum Laboratory, and special regional libraries are an integral part of the course.

SED 410 (3-3-0) Classroom Management Strategies for Exceptional Children

This course is designed for educators who desire to enlarge their repertoire of disciplinary concepts and practices, or who may be experiencing disciplinary problems in the classroom. Stress will be on the developmental states of discipline, classroom management models, and student needs and characteristics.

SED 420 (3-3-0) Introduction to the Education of the Emotionally Disturbed

An overview of selected approaches for the education of the emotionally disturbed students. Topics included are: adaptive behavior, the team approach, the diagnostic approach, behavior management techniques, the engineered classroom, the re-education model, and developmental therapy programs. Emphasis will be placed upon the psychological, sociological, and educational implications in the education of emotionally disturbed students.

SED 430 (3-3-0) Introduction to the Education of the Learning Disabled

An introductory course analyzing the inter-and intra-individual differences of the learning disabled. Topics included are theories, identification programs, teaching strategies, and material. Emphasis will be placed upon the developmental aspects of learning.

SED 440 (3-3-0) Introduction to the Education Educable Mentally Retarded

An introduction to the study of retarded individuals with regard to characteristics, behavior, general nature and needs in the home and the community, and learning environment. Emphasis is on an overview of identification procedures, teaching and organizational practices, methodology and materials, and prevention. The course will introduce psychological, sociological, educational, and medical aspects for mental retardation.

SED 450 (3-3-0) Introduction to the Education of the Gifted and Talented

An overview of the methods and materials which are used with Gifted/Talented students. Emphasis is on the inter and intra-individual differences, identification, cognitive and affective development, special abilities, and differentiated curriculum, of the Gifted/Talented students.

SED 460 (3-2-1) Diagnoses and Evaluation of Exceptional Children

A survey of the major tests and inventories used in evaluating exceptional children. Consideration is given to types of measurement, basic statistical concepts, interpretation of scores, and the relationship between information gained from tests and inventories and classroom diagnostic — prescriptive procedures. Supervised experiences in the Curriculum Laboratory reviewing and using specific instruments is an integral part of the course.

SED 470 (3-2-1) Seminar I: The Exceptional Student, Observations

A readings and observation course designed to synthesize knowledge and experience in each area of exceptionality. The course will include readings, discussion, and observation of students including the gifted speech handicapped, emotionally disturbed, mentally retarded, and learning disabled. The student will spend time observing the exceptional student in a variety of settings: regular classrooms, resource classrooms, self-contained classrooms, clinics, special schools, and hospitals. *Prerequisites: SED 350 and consent of the instructor.*

SED 480 (3-2-1) Seminar II: The Exceptional Student, Practicum

The seminar/practicum in mild/moderate exceptional students is the culmination of the professional education experience. The practicum includes tutoring and/or teaching selected area(s) of mild/moderate exceptional students; and the seminar provides for an ongoing opportunity for discussion of problems and questions which arise during the practicum portion of the course. Emphasis will be on tutoring and/or teaching "mainstreamed" exceptional students in the regular classroom. *Prerequisites: SED 470 and consent of the instructor.*

SED 522 (3-3-0) Seminar in Learning Disabilities

This course is designed to explore the etiology, classroom manifestations and treatment programs of children with learning disabilities, test patterns differential functioning and related research.

SED 524 (3-3-0) Working with Parents and Families of Handicapped Children

Theory behind the necessity of parent/family involvement in the education of the handicapped. Practices leading to appropriate educator-family involvement.

SED 528 (3-3-0) Mainstreaming the Exceptional Child

Study of theory and history underlying and practices of mainstreaming. Emphasis on overcoming existing problems.

SED 530 (3-3-0) Introduction to Exceptional Children

A comprehensive survey of the various exceptionalities affecting learning; giftedness, mental retardation, emotional disturbance, learning disabilities, speech impairment, sight impairments, orthopedic impairment, autism, neurological and physical impairment, and cultural differences.

SED 532 (3-3-0) The Gifted Child

The nature of giftedness and creativity; characteristics of gifted and creative children; approaches to encouraging the development and utilization of their abilities.

SED 535 (3-3-0) Psychology of Mental Retardation

An intensive study of the psychological and sociological aspects of educationally handicapped conditions and of the children who manifest those conditions. Analysis and integration of classic and current research.

SED 537 (3-3-0) Introduction to the Education of Emotionally Disturbed Children

An overview of the education of emotionally disturbed children including history, philosophical issues, alternative conceptions of emotional disturbance, management of educational programming, types of programs and professional roles.

SED 579 (3-3-0) Management of Learning Environments

Emphasis of effective behavior analysis techniques for intervening in the environments of exceptional children to increase learning.

SED 631 (3-3-0) Teaching the Handicapped Child (Academic Methods)

Emphasis on classroom educational procedures including methods, curriculum and materials for teaching pupils handicapped by academic/learning problems or developmental problems.

SED 632 (3-3-0) Teaching the Handicapped Child

Emphasis on classroom educational procedures including methods, curriculum and materials for teaching pupils handicapped by developmental problems (birth to school age).

SED 633 (3-3-0) Teaching the Handicapped Adolescent

Study of the adolescent handicapped individual. Emphasis on classroom educational procedures including methods and materials for teaching (junior high through young adult).

SED 638 (3-3-0) Teaching the Emotionally Disturbed Child

An examination of management and educational planning and programming for emotionally disturbed children, the roles of the teacher, and the establishment of programs.

SED 640 (3-0-3) Master's Internship in Special Education

Provides thorough supervised experience in a phase of Special Education most appropriate to the student's qualifications, experience, and future educational goals. Required a minimum of 150 hours.

SED 642 (3-3-0) Exceptional Child Development

Emphasis on development deviation exhibited by exceptional children in cognitive, language, social, and affective development. Also perceptual and neurological development.

SED 643 (3-3-0) Seminar in Special Education

Graduate level seminar which draws from both theory and research to deal with critical issues (e.g., mainstreaming, the gifted, other areas). May be used to test new course. May be repeated for credit.

SED 645 (3-3-0) Independent Study in Special Education

Graduate level course providing for independent research into critical issues in special education. May be repeated for credit.

SED 647 (3-3-0) Educational Evaluation of Handicapped Children

Study and practice in the use of both formal and informal diagnostic assessment and observational techniques appropriate for the teacher of children with learning problems.

SED 648 (3-3-0) Curriculum Development in Special Education

Designed to help the student put diagnostic and assessment procedures into practice in the classroom. Includes development of I.E.P.'s., a thorough understanding of legislative mandates directed toward special education population, and development of evaluation techniques for accountability.

SED 649 (3-3-0) The Consultative Role in the Special Educator

Theory behind the necessity of consultative role of the special educator methods and practices leading to successful consultation efforts.

SED 650 (3-3-0) Leadership and Supervision of Exceptional Child Program

The course is designed to acquaint school administrative and supervisory personnel with major issues which will impact on their leadership of Exceptional Child Educational Programs at the local educational agency level, including the acquisition of competencies in appropriate leadership styles, child advocacy, and related technical knowledge. Course includes such content as the study of applicable federal and state legislation; due process and confidential requirements, personnel conflict resolution; the provision of least restrictive educational environment; the making of data-based decisions; and the determination of the qualifications and roles of special education staff.

SPEECH (SPE)

SPE 200 (3-3-0) Introduction to Speech

An introductory course designed to acquaint the student with the development of language and speech. Study and practice are provided in the basic elements of speech applicable to daily life such as voice, articulation, bodily activity, habituation of good usage, practice in the adaption of the student to the common types of speaking situations.

SPE 211 (3-3-0) Phonetics

A study of the production and transcription of phonetic symbols as used in the International

Phonetic Alphabet. General American speech, Southern and Eastern dialects as considered. *Prerequisites: SPE 200 or consent of the instructor.*

SPE 212 (3-3-0) Voice and Diction

Training in the use of proper breathing for good voice production, pause, stress, intonation and the control of resonance in the voice. Vocal improvement in both phonation and enunciation are stressed. *Prerequisites: SPE 200 or consent of the instructor.*

SPE 300 (3-3-0) Introduction to Communicative Disorders

Survey of communicative disorders, their manifestations, and strategies which may be used by various professionals in working with persons who have communicative disorders. *Prerequisites: Consent of the instructor.*

SPE 310 (3-3-0) Public Speaking

A study of the principles of composition and delivery with practice in preparing and presenting different types of speeches. *Prerequisites: SPE 200 or consent of the instructor.*

SPE 311 (3-3-0) Oral Interpretation

A study of the basic principles and techniques needed to develop one's ability to become proficient as an interpretative artist. Special emphasis is placed on the interpretation of prose, poetry, drama, and the interpretative reading events and contests.

SPE 321 (3-3-0) Group Discussion

Training and practice in the effective exchange of opinion on frequently considered matters. Study of group interaction as it relates to the task group. Additional study in the orderly conduct of such groups by the use of parliamentary procedures. *Prerequisites: SPE 200 or consent of the instructor.*

SPE 340 (3-3-0) Language Development

The development of speech and language in young children, theories of speech and language development, and the acquisition of the art of speech.

SPE 401 (3-3-0) Argumentation and Debate

Principles of effective argument with special attention to reasoning, evidence and motivational persuasion, organization, and refutation. *Prerequisites: SPE 310 or consent of the instructor.*

SPE 420 (3-3-0) Senior Seminar

A discussion of problems in speech and theater, with each student doing a major research project. *Prerequisites: Senior standing.*

SPE 500 (3-3-0) Communication Disorders

Examination of communication disorders common to handicapped populations. Study of their etiology, epidemiology, manifestations, and remediation strategies for teachers.

SPE 550 (3-3-0) Language Development and Remediation in Handicapped Children

Examination of the language development process and language disorders common to handicapped populations. Study of strategies for remediation for teachers.

STATISTICS (STA)

STA 202 (3-3-0) Basic Probability and Statistics

Introduction to probability and statistical inference. *Prerequisites: MAT 123 or consent of the area.*

STA 301 (3-3-0) Introduction to Probability

Introduction to mathematical theory of probability including such topics as random variables, moments, distribution (normal, binomial, Poisson, and related ones), generating functions, and applications of statistics. *Prerequisites: MAT 241.*

STA 302 (3-3-0) Mathematical Statistics

Probability distributions of random samples; theory of point and interval estimation; hypothesis testing, and decision theory concepts. *Prerequisites: STA 301.*

STA 401 (3-3-0) Intermediate Probability

Conditional probability, basic classical theorems, methods of convergence, central limit problem, generating and characteristic functions. *Prerequisites: STA 301 or permission of the area.*

STA 402 (3-3-0) Intermediate Statistics

Fundamentals of probability and distribution theory including: axiomatic treatment of probability independence, random variables, characteristic functions, convergence and approximation, common distributions. *Prerequisites: MAT 412 and STA 301.*

STA 412 (3-3-0) Introduction to Stochastic Process

Markov chains, Poisson processes, birth-and-death processes, queuing theory, branching and stationary processes, Browning motion. *Prerequisites: STA 301.*

STA 421 (3-3-0) Introduction to Time Series Analysis

Time series data analysis, fitting parametric models, and spectrum analysis. *Prerequisites: STA 301.*

STA 422 (3-3-0) Applied Multivariate Analysis

Exploratory and inferential multivariate techniques and applications. *Prerequisites: STA 302.*

THEATRE (THE)

THE 201 (1-0-3) Theatre Practice I

A performance laboratory in practical theatre training through participation in the University dramatic productions. This can be repeated seven times, once each semester.

THE 202 (1-0-3) Theatre Practice II

A technical laboratory technical theatre training through participation in the University dramatic productions. This course can be repeated seven times, once each semester.

THE 203 (3-3-0) Introduction to Theatre

Basic introduction to the study of drama, and art and craft of theatre. Special attention is given to the role of theatre in modern society. Work with Drama Guild productions.

THE 204 (3-1-2) Introduction to Technical Theatre

Basic introduction to the study of knowledge of technical theatre production. Emphasis on theatrical equipment, scenery, lighting, sound and make-up. Work with Drama Guild productions.

THE 221 (3-3-0) History of the Theatre I

A study of the specific conditions under which the great plays of the world have been produced. An analysis is made of the audiences, actors, patrons, and physical conditions, architecture, and the relation of the theatre to the other arts.

THE 222 (3-3-0) History of the Theatre II

A continuation of the History of Theatre I from 1650 to the present.

THE 306 (3-2-2) Fundamentals of Acting

A basic study of the fundamentals and techniques of acting. It includes creative techniques in scene study from representative plays of the past and present. Work with Drama Guild productions.

THE 316 (3-2-2) Introduction to Costume and Make-up

Basic introduction to the study of historical costumes and theatrical make-up and their application to the stage production. Work with Drama Guild productions.

THE 333 (3-2-2) Play Directing
A comprehensive study of the fundamentals of play directing: composition, picturalization, movement, rhythm, and pantomimic dramatization. Consideration will also be given to script analyzing, casting, rehearsing, and the director's relationships to other theatre practitioners. Work with Drama Guild productions.

THE 334 (3-3-0) Theatre Management
A study of the tools of theatre management, with emphasis on box office management, promotion costs, and the responsibilities of production staff. Work promotion with Drama Guild productions.

THE 336 (3-1-4) Stagecraft
Basic study of the theory and practice of stage production and design, scene construction and painting. It includes lectures, demonstrations and practical experience by involvement with the Drama Guild.

THE 402 (3-1-4) Advanced Acting
A study of the styles of acting. Special emphasis on acting in Greek; Shakespearean and Restoration dramas are explored. It is recommended, but not required, that students consider taking SPE 306 Fundamentals of Acting and ENG 411 Shakespeare before taking this course. Work with Drama Guild productions.

THE 403 (3-3-0) Scene Design
A study of the principles and techniques of scenic and lighting design and its relationship to the theatrical production. Work with Drama Guild productions.

THE 411 (3-3-0) Children's Theatre for School and Community
A course designed for the study of materials and procedures of creative dramatics, choral speaking, puppets and formal dramatics. The course is recommended for prospective and in-service teachers on the elementary level. It is also helpful for community workers with children.

THE 412 (3-3-0) Dramatic Theory and Criticism
A survey of the traditional European and American theories of the drama and the effect of these theories on both criticism and the writing of drama during each period covered. *Prerequisites: Junior or senior status or consent of the instructor.*

THE 421 (3-0-6) Play Production
A seminar and laboratory in directing plays. Special emphasis is placed on each student directing a one-act play for public presentation. *Prerequisites: THE 204 or THE 333.*

ZOOLOGY (ZOO)

ZOO 110 (2-2-0) General Zoology
Concepts of animal biology relative to structure, function, ecology, heredity and embryogenesis. Attention is given to the evolution and characteristics of major animal phyla. *Prerequisites: BIO 170. Corequisite: ZOO 120.*

ZOO 120 (1-0-2) General Zoology Lab
Laboratory studies relative to basic concepts of animal biology. *Corequisite: ZOO 110.*

ZOO 210 (2-2-0) Anatomy and Physiology I
Systematic study of the structure and function of the composite systems of man's body. *Prerequisites: BIO 110 and BIO 130. Corequisite: ZOO 220.*

ZOO 220 (1-0-2) Anatomy and Physiology I Lab
Laboratory study of the structure and function of the composite systems of the human body. *Corequisite: ZOO 210.*

ZOO 230 (2-2-0) Anatomy and Physiology II
Systematic study of the structure and function of the composite systems of the human body. *Prerequisites: ZOO 210. Corequisite: ZOO 240.*

ZOO 240 (1-0-2) Anatomy and Physiology II Lab

Laboratory study of the structure and function of the composite systems of the human body. *Corequisite: ZOO 230.*

ZOO 350 (2-2-0) Comparative Anatomy

A comparative study of the anatomy of Chordates. *Prerequisites: ZOO 110.*

ZOO 360 (1-0-2) Comparative Anatomy Lab

Dissection and study of anatomical systems of representative Chordates. *Corequisite: ZOO 350.*

ZOO 370 (2-2-0) Vertebrate Physiology

A study of functions and functional relationship of organs and organ systems of vertebrates, especially man. *Prerequisites: CHE 140-150; ZOO 110. Corequisite: ZOO 380.*

ZOO 380 (1-0-2) Vertebrate Physiology Lab

ZOO 410 (2-2-0) Principles of Genetics

Fundamental concepts of heredity common to the living organisms. *Prerequisites: BOT 210 and ZOO 110 or BIO 110, 130 with permission of instructor. Corequisite: ZOO 420.*

ZOO 420 (1-0-2) Principles of Genetics Lab

Experiments and exercises on biological inheritance, chromosome structure and detection of gene products. *Corequisite: ZOO 410.*

ZOO 430 (2-2-0) Vertebrate Embryology

Principles of animal development including cellular and tissue assembly, embryogenesis, and reconstitutive development. *Prerequisites: ZOO 110. Corequisite: ZOO 440.*

ZOO 440 (1-0-2) Vertebrate Embryology Lab

Descriptive and experimental study of development of representative vertebrate embryos. *Corequisite: ZOO 430.*

ZOO 450 (2-2-0) Histology and Microtechniques

A study of the microscopic anatomy of cells, tissues and organs embracing both morphological and physiological aspects. Restricted in the main to normal human structures. *Corequisite: ZOO 460.*

ZOO 460 (1-0-2) Histology and Microtechniques Lab

Introduction to different histological techniques employing the use of permanently fixed and stained slides, and engaging the student in the preparation of tissues in a manner suitable for viewing with the compound microscope. *Corequisite: ZOO 450.*

ZOO 470 (2-2-0) Introduction to Entomology

Evolution, anatomy, development, ecology and systematics of insects, arachnoids and myriapods. The role of insects as vectors of diseases and their influences on history and culture are given consideration. *Prerequisites: BIO 130 or 170; ZOO 110. Corequisite: ZOO 480.*

ZOO 480 (1-0-2) Introduction to Entomology Lab

Laboratory studies in insect physiology, morphology, ecology and behavior. Student projects on the identification of local insects are included. *Corequisite: ZOO 470.*

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B.S., Tougaloo College; M.S., Ph.D., University of Illinois

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B.S., Bradley University; M.S.Ed., Eastern Illinois University;
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B.A., Fisk University; M.S., Atlanta University; Ph.D., Atlanta University

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M.S., Webster University

Richard H.L. Jones, Associate Professor of Music
B.A., North Carolina A&T State University; M.M., Northwestern University;
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B.A., Jackson State University; M.A., University of Mississippi;
Ph.D., Mississippi State University

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B.A., Grinnell College; M.A., Columbia University Teachers College;
Ph.D., Columbia University Teachers College

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B.S., North Carolina Central University; M.S., North Carolina Central University;
Ph.D., University of Connecticut

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B.A., National Cheng Chi University; M.A., University of Cincinnati;
Ed.D., North Texas State University

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J.D., North Carolina Central University

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B.S.C., University of Iowa; M.S.C., Ph.D., St. Louis University

Floyd A. Farrar, Professor of Economics
A.B., Fisk University; A.M., Rutgers University; Ph.D., University of Pennsylvania

Robert L. Fritz, Assistant Professor of Business Education
B.S., Bemidji State University; M.Ed., Ed.D., Auburn University

Gouranga Ganguli, Professor of Accounting
B.S., M.S., Ph.D., University of Calcutta; M.B.A., University of North Florida; Ph.D., University of Mississippi; C.P.A., C.M.A., C.I.A.

Marion C. George, Professor of Business Administration
B.S., North Carolina A&T State University; M.S., University of Illinois; Ph.D., Ohio State University; LL.D., Georgetown University

Barbara Jones, Lecturer of Business Administration
B.S., North Carolina A&T State University; M.B.A., University of Miami, Florida

C. Jeanne Lewis, Assistant Professor of Business Education
B.S., Loyola State University; M.Ed., Memphis State University; Ph.D., Georgia State University

Norma J. McLauchlin, Lecturer of Business Administration
B.S., Fayetteville State University; M.A., Central Michigan University

Beulah Monroe, Associate Professor of Business Administration
B.S., North Carolina A&T State University; M.S., North Carolina Central University; Ph.D., Kent State University

Shahriar Mostashari, Assistant Professor of Economics
B.A., National University of Iran; M.A., Western Michigan University; Ph.D., North Carolina State University

Inder P. Nijhawan, Professor of Economics
B.A., M.A., Delhi University; Ph.D., University of North Carolina/Chapel Hill

Amon Okpala, Assistant Professor of Economics
B.A., M.A., Western Kentucky University; Ph.D., Louisiana State University

Israel Rwejuna, Instructor of Business Administration
B.S., Baldwin-Wallace College; M.A., Eastern Illinois University

Solomon Smith, Assistant Professor of Economics
B.S., Southwest Missouri State University; M.A., Southern Illinois University/Edwardsville; Ph.D., Southern Illinois University at Carbondale

Wanda H. Smith, Lecturer of Business Administration
B.S., Fayetteville State University; M.B.A., University of Chicago

Carrie V. Stokes, Assistant Professor of Business Education
B.A., Morris Brown College; M.A., New York University

Assad Tavakoli, Assistant Professor of Business Administration
B.A., University of Iran; M.C., University of Birmingham, England; Ph.D., University of Aston, Birmingham, England

Moses S. Walker, Assistant Professor of Business Administration
A.B., Shaw University; M.S., North Carolina Central University

SCHOOL OF EDUCATION

Annette Billie, Assistant Professor of Education
B.S., M.S., South Carolina State College; Ph.D., University of Pittsburgh

Sherman Brooks, Associate Professor of Physical Education
A.B., Pembroke State University; M.P.H., University of Michigan

Charles I. Brown, Associate Professor of Education
B.S., Fayetteville State University; M.A., North Carolina Central University; Ed.S., Rutgers University

Ralph E. Burns, Associate Professor of Physical Education
B.S., M.S., Jackson State University; Ed.D., East Texas State University

Dolores J. Dantzler-Wolfe, Assistant Professor of Education
B.A., Waynesburg College; M.S. Ed., Hunter College; Ed.D., West Virginia University

Henry Darlington, Associate Professor of Physical Education
B.S., West Virginia State; M.S., Springfield State; M.S., Tuskegee Institute; Ed.D., Virginia Polytechnic Institute and State University

Jake Ford, Instructor of Physical Education
B.S., Maryland State College; M.S., Indiana University

Marion Gillis-Olion, Associate Professor of Education
B.A., Newark State College; M.A., Ph.D., Ohio State University

Roshan A. Ghori, Professor of Education
B.A., Punjab University; M.A., Ph.D., University of Washington

Peggy Green, Assistant Professor of Physical Education
B.A., Jackson State University; M.S., Jackson State University; D.A., Middle Tennessee State University

Wynton Hadley, Assistant Professor
B.A, Bethune Cookman College; M.Ed., Indiana University; Ed.D., North Carolina State University

Cathy Butler Harrison, Assistant Professor of Education
B.A., UNC-Greensboro; M.Ed., Ed.D., Duke University

Robert Henderson, Lecturer of Physical Education
B.S., Fayetteville State University; M.S., North Carolina Central University

Roosevelt Holmes, Associate Professor of Physical Education
B.S., Edward Waters College; M.Ed., Florida A&M University; Ph.D., University of Connecticut

Tillman V. Jackson, Professor of Education
B.S., Knoxville College; M.Ed., Ed.D., University of Oklahoma

Marye J. Jeffries, Associate Professor of Education
B.A., Samuel Houston; M.Ed., Ed.D., University of North Carolina at Chapel Hill

Robert L. Lemons, Associate Professor of Reading
B.S., Fort Valley State College; M.S., University of Illinois; Ph.D., Syracuse University

Rosa D. Lyons, Instructor of Education
B.S., Shaw University

John D. Marshall, Assistant Professor of Physical Education
B.S., South Carolina State College; M.S., Indiana University

Raymond A. McDougal, Assistant Professor of Physical Education
B.S., Johnson C. Smith University; M.S., Indiana University

Luther McManus, Professor of Education
B.S., Miner Teachers College; M.A., Marshall University; Ed.S., Ed.D., George Washington University

Ernest McNeill, Associate Professor of Education
B.A., Morehouse College; M.Ed., Boston University; Ed.D., University of Massachusetts

Frank Merchant, Associate Professor of Physical Education
B.S., M.Ed., Florida A&M University; Ed.D., Florida Atlantic University

Walter T. Pace, Professor of Education
B.S., Savannah State College; M.A., Atlanta University;
Ed.D., Wayne State University

Evelyn Reeves, Instructor of Education
B.S., Fayetteville State University; M.Ed., North Carolina Central University

Nancy Sampson, Associate Professor of Education
B.S., Pembroke State University; M.Ed., University of Arkansas;
Ph.D., New York University

Page P. Saunders, Assistant Professor of Physical Education
B.S., Bluefield State College; M.S., West Virginia University

Saundra N. Shorter, Assistant Professor of Education
B.S., Virginia State College; M.Ed., University of Virginia;
Ed.D., Virginia Polytechnic and State University

Maceo Smith-Esquilin, Instructor of Physical Education
B.S., North Carolina A&T State University; M.F.A., University of North Carolina

William M. Spencer, Instructor of Physical Education
B.S., Ed., M.S., Ed., University of Kansas

Delores Stiff, Assistant Professor of Physical Education
B.S., Norfolk State University; M.S., Ph.D., Southern Illinois University

Theola Swinson, Instructor of Reading
B.S., Benedict College; M.Ed., North Carolina Central University

Edward A. Warner, Jr., Instructor of Education
A.B., Campbell College; M.A.Ed., East Carolina University

Clarence White, Jr., Associate Professor of Education
B.S., Alabama State University; M.A., Roosevelt University; Ed.D., Loyola University

GRADUATE FACULTY

EDUCATION

Shirley A. Berretta, Assistant Professor of Education
B.S., Memphis State University; M.Ed., University of Mississippi;
Ed.D., Southern Mississippi

Charlie Q. Coffman, Professor of Education
B.S., Delta State College; M.A., University of Southern Mississippi;
Ed.D., University of Mississippi

Bertram A. Coppock, Assistant Professor of Education
B.A., M.Ed., The American University; Ph.D., The University of Michigan

Virginia J. Dickens, Associate Professor of Education
A.B., Wheaton College; M.Ed., Ph.D., University of North Carolina

Timothy M. Flynn, Associate Professor of Education
B.S., M.S., Illinois State University; Ph.D., Florida State University

Earl L. Hill,
B.S., Alabama State University; M.A., North Carolina Central University; Ed.M., Ed.D., University of New York at Buffalo

Priscilla R. Manarino-Leggett, Associate Professor of Education
B.A., M.A., Ph.D., University of South Florida

LaDelle Olion, Professor of Education
B.S., M.S., Southern Illinois University; Ph.D., University of Connecticut

Michael J. Sexton, Associate Professor of Education
B.S., M.S., University of Oklahoma; Ph.D., University of Iowa

BUSINESS

Willie H. Bailey, Associate Professor of Business Administration
B.S., Tougaloo College; M.S., Ph.D., University of Illinois

Jacob A. Balogun, Professor of Accounting
B.S., M.B.A., Youngstown State University; Ph.D., Louisiana State University; J.D., Southland University

Kimon Constas, Associate Professor of Business Administration
B.A., Athens School of Business and Economics; Diploma, The Hague Institute of Social Sciences; M.S., University of Wisconsin/Milwaukee; Ph.D., State University of New York/Binghamton

Jack Dauner, Professor of Business Administration
B.S.C., University of Iowa; M.S.C., Ph.D., St. Louis University

Gouranga Ganguli, Professor of Accounting
B.S., M.S., Ph.D., University of Calcutta; M.B.A., University of North Florida; Ph.D., University of Mississippi; C.P.A., C.M.A., C.I.A.

Shahria Mostashari, Assistant Professor of Economics
B.A., National University of Iran; M.A., Western Michigan University; Ph.D., North Carolina State University

Inder Nijhawan, Professor of Economics
B.A., M.A., Delhi University; Ph.D., University of North Carolina/Chapel Hill

Solomon Smith, Assistant Professor of Economics
B.S., Southwest Missouri State University; M.A., Southern Illinois University; Ph.D., Southern Illinois University at Carbondale

Assad Tavakoli, Assistant Professor of Business Administration
B.A., University of Iran; M.C., University of Birmingham, England; Ph.D., University of Aston, Birmingham, England

INDEX

Absences, Excused and Unexcused, 50
Academic Curricula, 58
Academic Progress Policy, 33
Academic Regulations, 43
Academic Residence Requirements, 43
Accreditation, 13
Administration, Officers of, 296
Admission Classification - Conditional, Unconditional; Provisional, 26
Admission to the University, 20
Advisor, Academic, 44
Appeal Procedure (academic probation or suspension), 53
Application for Admission, 20
Arts and Sciences, College of, 60-137
Associates of Arts Degrees, 171-195, 58
- Art, 172
- Biology, 173
- Business Administration, 174
- Chemistry, 175
- Criminal Justice, 177
- Early Childhood Education, 176
- English, 178
- French, 179
- General Education, 180
- General Education for Prospective Biology Majors, 180
- General Education for Prospective Chemistry Majors, 181
- Geography, 182
- German, 183
- History, 184
- Intermediate Education, 185
- Mathematics, 186
- Mathematics-Computer Science Concentration, 187
- Music Education, 188
- Police Science, 189
- Political Science, 190
- Psychology, 192
- Public Administration, 191
- Secretarial Science, 193
- Sociology, 194
- Spanish, 195

Athletics, 41
Attendance, Class Policy, 50
Auditing of Courses, 46
Awards and Scholarships, 33
Board of Governors, 294
Board of Trustees, 295
Book Rental Plan, 30
Business and Economics, School of, 138-156, 58
Calendar, Academic, 3
Career Planning and Placement, 36
CEED Program, 35
Certification, Teacher, 158-159
Classification of Students, 44, 27
College Level Examination Program (CLEP), 43
College Work-Study Program, 31
Commencement, 54
Continuing Education, Center for, 15
Cooperative Education Program, 17, 135
Cooperative Programs, 18
Correspondence, Directory of
Counseling Center, 35
Course Descriptions, 216
Course Load, 46
Course Substitution, 48
Courses in Sequence, Registering for, 45
Courses Taken at Another Institution, 51
Credit by Examination, 51
Credit for Military Schools and Experience, 24
Dean's List, 53
Degrees, Degree Programs, 59
Departments of
- Behavioral Sciences, 60
- Business Administration, 138
- Business Education and Administrative Services, 145
- Communications and Foreign Languages, 66
- Curriculum and Instruction, 160
- Economics, 154
- Health, Physical Education and Human Services, 165
- Humanities and Fine Arts, 76
- Life Sciences, 91
- Mathematics and Computer Science, 102
- Military Science, 110
- Physical and Earth Sciences, 112
- Reading Education, 168
- Social Sciences, 121

Direct Student Loans, 32
Directory of Correspondence
Early Admission Program, Early Admission Dual Enrollment, 20
Early Warning Program, 56
Economics Education, Center for, 16
Education, School of, 58, 157-171
Educational Opportunity Grant, 31
Educational Services, 14
English and Writing Center, 56
Enrollment, Class, 50
Examinations, 50
Expenses, 28
Faculty, The, 297
Family Educational Rights and Privacy Act of 1974-Statement, 18
Federal Insured Loan Program, 32
Fees and Expenses, 28
Financial Aid, 31
Food Services, 38
Foreign Students, 25
Fort Bragg-Pope Air Force Base Center, 15
Freshman Curriculum, 57
Freshman Orientation, 57
General Studies Curriculum, 57
General Information, 25
Grade Point Average (GPA), 47-48

Grades, Changing a, 48
Grade Improving, 49
Grades, Incomplete, 48
Grading System and Grade Points, 46
Graduate Studies, 196-215
Admission for Degree and Non-Degree Seeking Students and Transients, 196
Application, 196
Course Load, 200
Degree Programs
Master of Arts in Education, 200
Requirements, 201
Grading System, 201
Programs in Educational Administration and Supervision
Administrator Certificate (Principal), 203
Curriculum-Instructional Specialist (Supervisor Certificate), 204
Elementary Education, 206
Special Education, 208
Master of Business Administration (MBA), 211
Requirements of Program, 211
Admission Requirements, 212
Application , 212
Curriculum, 213
Evaluation, Performance, 212
Graduation, Application for Certification (N.C. "G" Certificate), 200
Readmission, 199
Tests - Miller Analogies Test (MAT) and Graduate Record (GRE), 200
Transfer Credits, 199
Graduation with Distinction, 54
Graduation, Requirements for, Application for, 54
Grants, 31
Handicapped Student Services, 38
Health Services, 37
Historical Sketch-FSU, 11
Historical Sketch-UNC, 9
Honor Societies, 40
Hours at Another Institution, 52
Incentive Grant, N.C. Student, 31
Indebtedness to the University, 55
Indian, American Student Legislative Grant Program, 32
Insurance, Accident and Sickness, 30
Insured Loan Program, Federal, 32
Intercollegiate Athletics, 40
International Student Services, 36
Library, University, 17
Living-Learning Program, 36
Loans, 32
Majors and Minors, Declaring and Changing 49, 50
Mathematics and Micro-Computer Center, 57
Membership, Institutional, 13
Minority Presence Grants, 31
Mission Statement, 14
National Direct Student Loans, 32
Non-Discrimination Statement of Fayetteville State University, 18
North Carolina Student Incentive Grant, 31
North Carolina State Scholarships, 33
Organizations, Students 39, 40
Pell Grants, 31
Placement, Advanced (Academic), 51
Philosophy and Purpose, 13
Placement, Career Planning, 36
Premedical, Pre-Dental/Pre-Veterinary Curricula, 100
Pre-Engineering and Cooperative Program
Probation Standards, Academic, 53
Professional Organizations (Pre.), 40
Publications, 40
Reading Program, Policies and Procedures, 55, 56
Readmission Students, 23
Refund, 29
Registration, 45
Late Registration, 45
Changes in Registration, Drop-Add, 45
Official Registration, 45
Rehabilitation, Vocational, 32
Religious Activities, 39, 40
Residence Status, Tuition Assesment Law G.S. (116-143.1 B), 27
Retention, Academic, 53
Scholarships and Awards, 33
Scholarship Standards, 52
Service Men's Opportunity College (SOC), 24
Service Organizations, 40
Special Services, 14
Special Students, 23
Standards, Maintaining Academic, 53
Student Activities, Organizations, and Programs, 39
Student Center, Rudolph Jones, 38
Student Development, 34
Student Government, 39
Student Center, 38
Student Loans, 32
Student Teaching, Admission to, 159
Summer School Students, 26
Suspension, Academic, 53
Teacher Certification, 158, 159
Teacher Education, Requirements for, Application Admission to, Retention in, 157
Testing and Guidance, 35
Transfer Credits, Acceptance of, 23, 24, 51
Transfer Students, 23
Transcripts of Academic Records, 55
Tuition and Fees, 28
Upward Bound Program, 14
Veterans Affairs, 35
Visiting Students, 23
Vocational Rehabilitation, 32
Weekend and Evening College, 15
When and Where to Apply
Who's Who, 41
Withdrawal, 53
Work/Study/Work Aid Program, 31

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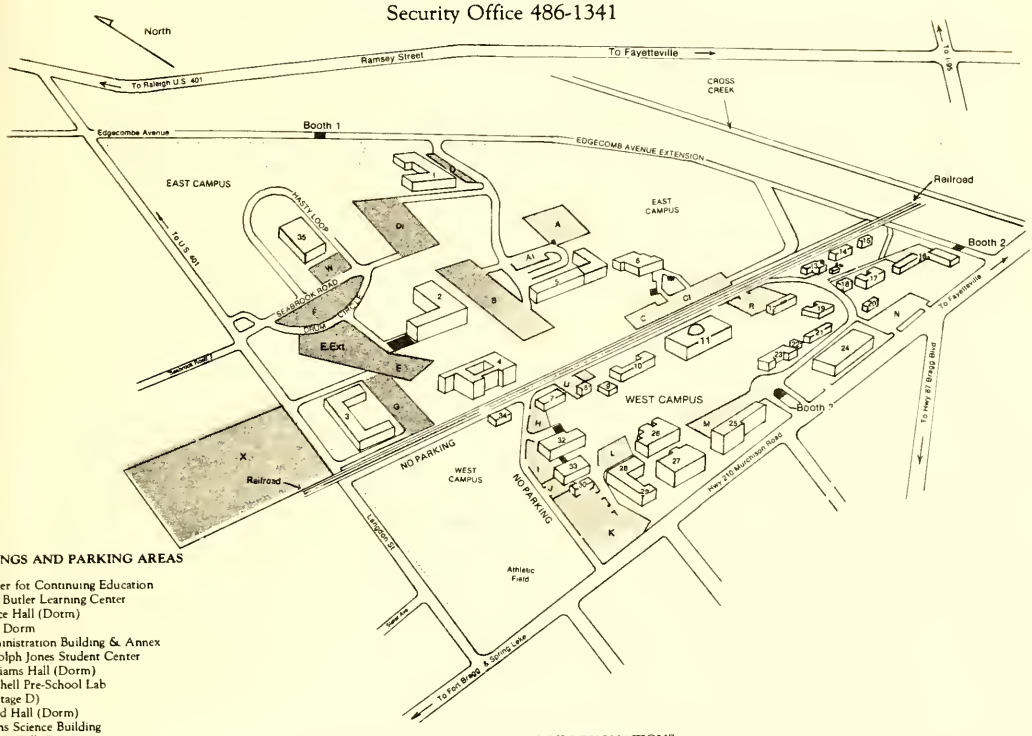


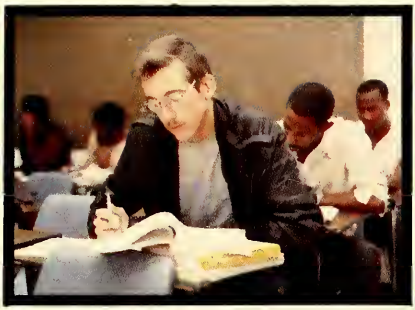
DINGS AND PARKING AREAS

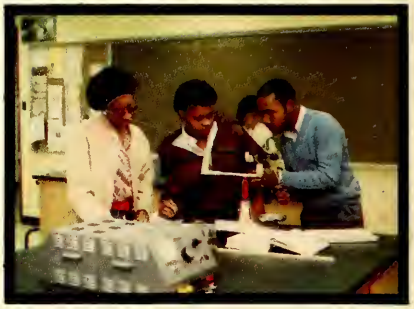
enter for Continuing Education
.L. Butler Learning Center
ance Hall (Dorm)
ew Dorm
dministration Building & Annex
udolph Jones Student Center
Villiams Hall (Dorm)
itchell Pre-School Lab
Cottage D)
lood Hall (Dorm)
yons Science Building
oyner Hall (Dorm)
Maintenance Building
Maintenance Warehouse
Maintenance Storage Shed
Bryant Hall (Dorm)
Hartis Hall (Dorm)
Cottage C)
H.L. Cook Dining Hall
Cottage B)
Smith Hall (Dorm)
Cottage A)
Spaulding Infirmary
.W. Seabrook Auditorium
Rosenthal Building
Communications Center
Chesnutt Library
Taylor Science Building
Science Annex
Newbold Pre-School
Demolished)
Lilly Gymnasium
Women's Physical Education Building
Cottage E)
Security Building
New Maintenance Warehouse

LOT DESIGNATIONS

Lot A Admin. Bldg
Lot A1 Admin. Bldg Annex - Visitors Only
Lot B N. end of the Admin. Bldg extending across the S. end of the G.L. Butler Learning Center
Lot C Student Center
Lot C1 Student Center
Lot D Cont. Ed. Center
Lot D1 Construction
Lot E E. side of the New Dorm (Extended)
Lot F N. of the G.L. Butler Learning Center
Lot G S. side of the [illegible] Hall
Lot H N.W. of Williams Hall
Lot I N. end of the Lilly Gym
Lot II N. end of the Lilly Gym
Lot J N. end of the Women's Gym
Lot K N. end of the Science Annex
Lot L E. side of the Taylor Science Bldg
Lot M E. side of the Ros. Bldg
Lot N Auditorium/Fringe Area Parking
Lot P Visitors to Maintenance
Lot Q Bryant Hall (Rear)
Lot R N.E. corner Joyner Hall (Students)
Lot R1 S. end of the Lyons Science Bldg. (Faculty and Staff)
Lot U N.E. corner of the Mitchell Bldg.
Lot W W. side of the Scty. Bldg.
Lot X Fringe Area Parking Blue Areas

- Red Areas - Service Delivery and State Vehicles Only
- Booth #1 Main Booth East Campus
- Booth #2 & #3 West Campus





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